Nuclear Safety Laws
of the Republic of Korea

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Korea Institute of Nuclear Safety
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Chapter I General Provisions

Article 1 (Purpose)
This Act is designed to prevent radiation disasters for the sake of public safety by setting forth matters concerning safety management for the research, development, production, and use, etc. of nuclear energy.

**Article 2 (Definitions)**

The definitions of terms used in this Act shall be as follows:
1. The term “nuclear energy” means all forms of energy released from an atomic nucleus in the course of transformation of an atomic nucleus;
2. The term “nuclear material” means nuclear fuel material and nuclear source material;
3. The term “nuclear fuel material” means material capable of producing nuclear energy, such as uranium, thorium, etc., as prescribed by the Presidential Decree;
4. The term “nuclear source material” means material which is raw material for nuclear fuel material, such as uranium ore, thorium ore, etc., as prescribed by the Presidential Decree;
5. The term “radioactive material” means nuclear fuel material, spent nuclear fuel, radioisotope and nuclear fission product;
6. The term “radioisotope” means isotope and its compounds which emit radiation, as prescribed by the Presidential Decree;
7. The term “radiation” means electromagnetic wave or particle beam which is capable of direct or indirect ionization of air, as prescribed by the Presidential Decree;
8. The term “nuclear reactor” means the apparatus in which nuclear fuel material is used as fuel. Provided, that the nuclear reactor as prescribed by the Presidential Decree shall be excluded;
9. The term “radiation generating device” means the equipment which generates radiation by means of accelerating charged particles, as prescribed by the Presidential Decree;
10. The term “related facilities” means such facilities as prescribed by the Presidential Decree concerning the safety of nuclear reactor;
11. The term “refining” means physical or chemical processing of nuclear source material in order to increase the content of uranium or thorium contained in nuclear source material;
12. The term “conversion” means chemical processing of nuclear fuel material in order to change nuclear fuel material into a form in which it becomes suitable for fabrication;
13. The term “fabrication” means physical or chemical processing of nuclear fuel material in order to change nuclear fuel material into a form in which it may be used as fuel in a reactor;
14. The term “spent fuel processing” means processing of nuclear fuel
material which has been used as fuel in a reactor or other nuclear fuel materials which have been subject to nuclear fission reaction for the purpose of research and experimentation, or it means separation of nuclear fuel material and other materials from spent fuel by physical or chemical processing;

15. The term “nuclear fuel cycle business” means the business related to refining, conversion, fabrication or spent fuel processing;

16. The term “radiation control area” means an area in which the external radiation quantity and rate, the concentration of radioactive material in the air, or the surface contamination degree of material polluted by radioactive material is feared to exceed the limit prescribed by the Regulation of the Nuclear Safety and Security Commission, and in which people’s access is required to be controlled for the safe management of radiation and measures are required to be taken to protect people with access for the prevention of radiation damage;

17. The term “internationally controlled material” means material which is subject to safeguards in accordance with the commitment relating to research, development and utilization of nuclear energy and other international treaties (hereinafter referred to as “international treaty”) as prescribed by the Ordinance of the Prime Minister;

18. The term “radioactive waste” shall mean radioactive materials or other materials contaminated by radioactive materials (including spent nuclear fuel determined to be disposed of in accordance with Article 35 (4)) that are subject to disposal (hereinafter referred to as “radioactive materials etc.”)

19. The term “personal dose” means the quantity of radiation exposed to the exterior or interior of human body. Provided, that the quantity of radiation exposed for medical treatment and the quantity of natural radiation which is not artificially increased shall be excluded. In this case, kinds and application standards shall be determined and published by the Nuclear Safety and Security Commission;

20. The term “nuclear power utilization facility” means facility which is related to research, development, production and utilization of nuclear energy (hereinafter referred to as “nuclear power utilization”) as prescribed by the Presidential Decree;

21. The term “radiation worker” means a person who is engaged in the work which is exposed or feared to be exposed to radiation while working on operation, utilization, or preservation of the nuclear power utilization facility or on usage, treatment, storage, conservation, processing, discharge, disposal, transport, control, or decontamination of radioactive materials, etc.;

22. The term “safety-related facilities” means the structures, systems, or
components important to safety as set forth under the Regulation of the Nuclear Safety and Security Commission and to whom safety classes are assigned in accordance with the Regulation of the Nuclear Safety and Security Commission, among nuclear reactors and related facilities:

23. The term “radiographic examination” means the non-destructive inspection using radiation among those set forth under Article 2 of the Act on the Promotion and Management of Non-Destructive Testing Technology;

24. The term “decommissioning” means all actions or measures taken to exclude any facilities licensed or designated pursuant to this Act from the scope of application of this Act, through removal of the facility and the site or through decontamination thereof after permanent cessation of the operation of the facilities (hereinafter referred to as “permanent shutdown”) by those who have been granted permit pursuant to Article 20 (1), 30–2 (1), and those who have been granted the designation pursuant to Article 35 (1) or (2);

24-2. “Closure” shall mean the administrative and technical actions (backfill, installation of cover, etc. of the underground spaces of facilities for the disposal of radioactive wastes) performed by those who are licensed to construct or operate facilities for the disposal of radioactive wastes in order to secure long-term safety after completing activities for the disposal of radioactive wastes pursuant to Article 63;

25. “Accident management” shall mean the actions taken to recover a nuclear reactor to a safe condition in the event of an accident at a reactor facility by mitigating the impact of an accident while preventing its proliferation. It also includes the management of a severe accident (hereinafter referred to as the “severe accident”) that causes remarkable damage to the reactor core in excess of the design standards provided by the Korea Nuclear Safety and Security Commission.

Article 2-2 (Basic principles of nuclear safety management)

Safety management pertaining to the research, development, production, use, etc. of nuclear energy (hereinafter referred to as “nuclear safety management”) shall be promoted in accordance with the following principles:

1. It shall observe the principles of the prevailing international norms, including the Convention on Nuclear Safety;

2. It shall contribute to the protection of national safety and the environment from radiation damages:
3. Safety standards shall be established after taking into account the level of development of science and technology.

Chapter II Establishment and Execution of Comprehensive Nuclear Safety Plan

Article 3 (Establishment of Comprehensive Nuclear Safety Plan)

(1) The Nuclear Safety and Security Commission (hereinafter referred to as the “Commission”) established under Article 3 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission shall establish the comprehensive nuclear safety plan (hereinafter referred to as the “comprehensive plan”) for the safety control of the utilization of nuclear energy (hereinafter referred to as “nuclear safety control”) every five years.

(2) The comprehensive plan shall include the matters falling under each of the following Subparagraphs:
1. Current status of and prospects for the nuclear safety control;
2. Policy targets and basic direction of nuclear safety control;
3. Tasks by sector and implementation thereof;
4. A plan to invest the required financial resources and securing such resources; and
5. Other matters necessary for nuclear safety control.

(3) If the Commission wishes to establish the comprehensive plan, he shall consult with the heads of ministries and agencies concerned. This provision shall also apply in a case where he wishes to change the existing comprehensive plan.

(4) The establishment and change of the comprehensive plan shall be determined finally through a deliberation and resolution of the Commission. Provided, however, that if any minor matters as prescribed by the Presidential Decree are changed, this shall not apply.

(5) If it is deemed necessary for establishing the comprehensive plan, the Commission may request the heads of the ministries and agencies concerned to submit materials necessary for the establishment of the comprehensive plan.

Article 4 (Execution of Comprehensive Plan)

(1) The Commission shall notify the heads of the ministries and agencies concerned of the comprehensive plan determined finally under the provisions
of Article 3 (4) and the Commission and the heads of the ministries and agencies concerned shall establish every five years the execution plan by sector concerning the matters under their control, according to the comprehensive plan, and shall establish and execute detailed project promotion plan according to the execution plan by sector.

(2) The Commission and the heads of the ministries and agencies concerned shall, upon establishing the execution plan by sector as referred to in Paragraph (1), determine it finally in consultation with the heads of other ministries and agencies, if necessary, and the heads of the ministries and agencies concerned shall notify the Commission thereof.

Article 5 (Nuclear Safety—Specialized Institution)

(1) In order to professionally carry out functions concerning nuclear safety control, a nuclear safety—specialized institution may be established under the control of the Commission.

(2) Matters concerning the establishment and operation of the nuclear safety—specialized institution as referred to in Paragraph (1) shall be prescribed separately by the Acts.

Article 6 (Establishment of the Korea Institute of Nuclear Nonproliferation and Control)

(1) The Korea Institute of Nuclear Nonproliferation and Control (hereinafter referred to as “KINAC”) shall be set up for efficient execution of safeguards and export/import control regarding nuclear facilities and materials (hereinafter referred to as “nuclear control”).

(2) The KINAC shall be a juridical person.

(3) The establishment of the KINAC shall be effected by means of registration of incorporation thereof at the location of the primary office thereof.

(4) The KINAC shall obtain the approval of the Commission for any revision to the Articles of Incorporation thereof.

(5) The KINAC shall have no more than eleven directors, including one head of the Board of Directors and one president, as well as one auditor. Such executives shall be appointed by the Board of Directors as provided in the Articles of Incorporation, with the approval of the Commission.

(6) The KINAC shall set up the Board of Directors for deliberation and decision—making regarding important matters thereof.

(7) The president shall represent the KINAC, supervise affairs thereof, and manage/supervise the employees thereof.

(8) The government may make contributions to the KINAC from the
general budget in order to sufficiently cover the incorporation and operating costs thereof.

(9) Except for matters provided herein in relation to the KINAC, the provisions of the Civil Act on incorporated foundations shall apply mutatis mutandis.

**Article 7 (Duties of KINAC)**

The KINAC shall perform each of the following duties:
1. Affairs related with nuclear facilities, equipment, technology, research and development as well as safeguards regarding nuclear materials as delegated by the Commission under Article 111 (1);
2. Affairs related with export and import control of internationally controlled materials including nuclear materials as delegated by the Commission under Article 111 (1);
3. Affairs related with physical protection as delegated by the Commission under Article 45 (1) of the Act on Physical Protection and Radiological Emergency;
4. Research and technological development regarding nuclear control;
5. Support for international cooperation regarding nuclear control;
6. Training on nuclear control;
7. Other matters necessary for performance of affairs pertaining to nuclear control.

**Article 7-2 (Establishment of the Korea Foundation of Nuclear Safety)**

(1) The Korea Foundation of Nuclear Safety (hereinafter referred to as the “Safety Foundation”) shall be founded to efficiently support activities intended to provide a strong safety foundation for nuclear energy and radiation.

(2) The Safety Foundation shall carry out the following services:
1. Survey and research of base data to support the Commission in formulating its nuclear safety policy;
2. A fact-finding survey as provided under Article 8 (1);
3. Planning, management and evaluation of research and development projects for nuclear safety as provided under Article 9 (1);
4. Education and training of radiation workers as provided in Article 106;
5. Support for international cooperation as provided in Article 107-2;
6. Services entrusted under this Act or other statutes, and other services deemed necessary by the Commission.

(3) The Safety Foundation shall be a corporation.

(4) The Safety Foundation shall be duly constituted by registering its
incorporation in the area where its main office is located.
(5) The enactment of or any amendment to the articles of incorporation of the Safety Foundation shall be authorized by the Commission.
(6) The Safety Foundation shall have a board of directors to deliberate and resolve on its important matters.
(7) The Safety Foundation shall be composed of up to eleven directors, including one chairperson and one auditor, as its executive officers, who shall be appointed by the board of directors as provided under the articles of incorporation, with the approval of the Commission.
(8) The Commission may contribute funds required to operate the Safety Foundation within the budgetary limits.
(9) Unless otherwise stipulated under this Act, the provisions of the Civil Act governing incorporated foundations shall apply mutatis mutandis to the Safety Foundation.

Article 8 (Investigation of Actual Situations)

(1) For the purpose of implementing efficiently the policy of nuclear safety, the Commission shall conduct an investigation on the actual situations of the nuclear safety. In this case, the Commission may have the institutions or organizations as prescribed by the Presidential Decree conduct such investigation on actual situations.
(2) If it is deemed necessary for the investigation on actual situations as referred to in Paragraph (1), the Commission may request any nuclear power–related enterprise, educational institution, research institute, or other nuclear power–related organization, to furnish materials or to state opinions.

Article 9 (Implementation of Nuclear Safety Research and Development Projects)

(1) In order to establish a plan for nuclear safety research and development projects according to an execution plan by sector established under the provisions of Article 4 (1) and to implement such projects efficiently, the Commission may select each year the research development tasks, and have the institutions or organizations falling under each of the following Subparagraphs:
   1. The institution established under the provisions of Article 5;
   2. KINAC;
   3. The institutions and organizations as referred to each of the provisions of Article 14 (1) of the Basic Research Promotion and Technology Development Support Act.
(2) Expenses for the execution of the nuclear safety research and development projects as referred to in Paragraph (1) shall be covered by
the financial resources falling under each of the following Subparagraphs:
1. Contribution of the Government:
2. Nuclear safety regulation account of the Nuclear Energy Fund under Article 17 (2) of the Nuclear Energy Promotion Act:
3. Residues resulting from the course of implementing the nuclear safety research and development project and other revenues.

(3) Matters necessary for the execution of the nuclear safety research and development projects as referred to in Paragraph (1), and the operation of the expenses as referred to in Paragraph (2), shall be prescribed by the Presidential Decree.

Chapter III Construction and Operation of Nuclear Reactor and Related Facilities

Section 1 Construction of Nuclear Power Reactor and Related Facilities

Article 10 (Construction Permit)

(1) A person who wishes to construct a nuclear power reactor and related facilities shall obtain construction permit from the Commission under the conditions as prescribed by the Presidential Decree. The same shall apply to a case where he wishes to change any permitted matters. Provided, however, that when he wishes to change any minor matters as prescribed by the Ordinance of the Prime Minister, he shall report it.
(2) Any person who intends to obtain the permit referred to under paragraph (1) shall submit to the Commission an application for a permit together with a radiation environmental report, a preliminary safety analysis report, plans for quality assurance concerning construction, decommissioning plans of power generation reactors and related facilities, and other documents as specified under Ordinance of Prime Minister.
(3) The Commission may grant, after review, a prior approval for a construction site to a person who wishes to construct a nuclear power reactor and related facilities and submit an application for such site prior to an application for construction permit.
(4) A person who has obtained the approval for the construction site under Paragraph (3) may execute the construction work to such extent as prescribed by the Ordinance of the Prime Minister.
(5) A person who wishes to obtain an approval for a construction site as referred to in Paragraph (3), shall file an application for the approval with the Commission, together with a statement of evaluation of environmental impact,
an on-site investigation report, and other documents as prescribed by the Ordinance of the Prime Minister.

(6) Where a person who intends to construct a nuclear power reactor and related facilities intends to construct structures under the provisions of Subparagraph 2 of Article 2 (1) of the Building Act after obtaining a prior approval for a construction site under the provisions of Paragraph (3), he shall be deemed to obtain the construction permit under the provisions of Article 11 of the same Act when he furnishes design documents to the head of an administrative agency concerned under the provisions of Article 11 (3) of the same Act.

Article 11 (Standards for Permit)

The standards for the construction permit as referred to in Article 10 (1) shall be as follows:

1. Technical capability necessary for construction of a nuclear power reactor and related facilities, as provided for in the Ordinance of the Prime Minister, shall be available;

2. The location, structures and equipment of the nuclear power reactor and related facilities shall conform to the technical standards as prescribed by the Regulations of the Nuclear Safety and Security Commission (hereinafter referred to as “Regulations of the Commission”) in such a way that they do not present any impediment to the protection of disasters caused by the radioactive materials, etc. to human bodies, materials and the public;

3. The construction of a nuclear power reactor and related facilities shall conform to the standards as prescribed by the Presidential Decree in order to prevent any harm to public health and the environment caused by the radioactive materials, etc.;

4. The contents of a quality assurance program under the provisions of Article 10 (2) shall conform to the standards as prescribed by the Regulations of the Commission;

5. The contents of the decommissioning plans specified under the Article 10 (2) shall meet the standards provided under the Regulations of the Commission.

Article 12 (Approval for Standard Design)

(1) Any person who intends to repeatedly construct the nuclear power reactor of the same design and install related facilities may obtain approval for such design (hereinafter referred to as “standard design”) from the Commission under the conditions as prescribed by the Presidential Decree and the same shall apply to a case where he intends to change
the approved matters. Provided, that if he intends to change minor matters prescribed by the Ordinance of the Prime Minister, he shall file a report thereon with the Commission.

(2) Any person who intends to obtain the approval referred to in Paragraph (1) shall file an application for the approval, appended by a specification on the standard design and other documents prescribed by the Ordinance of the Prime Minister, with the Commission.

(3) The valid period of the approval under Paragraph (1) shall be ten(10) years, and the Commission may, when he deems that a serious impact on the safety of the design still exists even during the valid period, order any person who has been granted the approval for the standard design to correct or supplement the approved matters.

(4) Notwithstanding the provisions of the foregoing Paragraph (3), in the case of application for a construction permit regarding a nuclear reactor and related facilities by applying the standard design in the effective period of approval thereof, said standard design with respect to the nuclear reactor and related facilities shall be deemed effective until the operational license thereof.

(5) The standards for approval under the foregoing Paragraph (1) shall be as follows:

1. The location, structures, equipment and performance of a nuclear power reactor and related facilities shall conform to the technical standards as prescribed by the Regulations of the Commission in such a way that they do not present any impediment to the protection of disasters caused by the radioactive materials, etc. to human bodies, materials and the public;

2. The construction of a nuclear power reactor and related facilities shall conform to the standards as prescribed by the Presidential Decree in order to prevent any harm to public health and the environment caused by the radioactive materials, etc.

(6) The Commission may exclude matters prescribed by the Presidential Decree, including other matters in which new technologies are required to be incessantly reflected, from the standard design.

(7) When the approval referred to in Paragraph (1) is granted, the matters for which approval is granted in advance under Paragraph (1) may not be entered in the application for permit as prescribed in Articles 10 (2) and 20 (2).

(8) The provisions of Article 14 shall apply mutatis mutandis to the case of Paragraph (1). In this case, “the permit of Article 10 (1)” in the part of exception for each of the provisions of Article 14 shall be deemed “the approval of Article 12 (1)” and “after the permit is revoked in accordance with Article 17” in Subparagraph 3 of the Article 14 shall be deemed “after the approval is revoked in accordance with Article 13,” respectively.
Article 13 (Revocation of Approval for Standard Design)

If a person who has been granted the approval under Article 12 (1) falls under any of the following Subparagraphs, the Commission may revoke such approval. Provided, however, that the approval shall be revoked when the person falls under either Subparagraph 1 or 4:
1. When he obtains the approval in a fraudulent and illegal manner;
2. When he changes the matters, any change of which requires approval, without obtaining approval therefor under the later part of the main sentence of Article 12 (1);
3. When he violates the order given under Article 12 (3);
4. When he falls under any of Subparagraphs 1, 2, and 4 of Article 14 which are applied mutatis mutandis in accordance with Article 12 (8). Provided, however, that in a case where an executive officer of a corporation falls under such case and he is replaced within three months, this shall not apply.

Article 14 (Disqualification)

A person who falls under any of the following Items shall not be granted construction permit as prescribed in Article 10 (1):
1. A person who has not been reinstated from a sentence of adult guardianship, limited guardianship, or bankruptcy;
2. A person who, due to the violation of the Act, has been sentenced to imprisonment without prison labor of heavier punishment and for whom two years have not yet elapsed since execution of such punishment was completed or non-execution thereof was finally decided, or who is now under a suspended execution after such suspended execution was decided;
3. A person for whom two years have not yet elapsed after the permit as prescribed in Article 17 was revoked;
4. A juridical person having any executive officer who falls under any of Items 1 through 3.

Article 15 (Regulation on Nuclear Material Control and Accountancy)

(1) A person who has obtained permit under the provisions of Article 10 (1)(hereinafter referred to as “installer of nuclear power reactor”) shall make regulation on nuclear material control and accountancy for the internationally controlled material(hereinafter referred to as "specific nuclear material") under the conditions as prescribed by the Presidential Decree, and obtain the approval of the Commission, before starting the use of the
specific nuclear material. The same shall also apply in a case where he wishes to change it. Provided, however, that if he wishes to change minor matters as prescribed by the Ordinance of the Prime Minister, he shall report it.

(2) If the Commission deems that the regulation on nuclear material control and accountancy referred to in Paragraph (1) is not sufficient to ensure proper accounting and control of the specific nuclear material, he may order corrective measures therefor.

**Article 15-2 (Reporting of Contracts on Safety-related Facilities)**

A person who have filed an application for permit under Article 10 (2) or an installer of nuclear power reactor shall, when he concluded a contract (including a contracts between a contractor and a subcontractor) on their safety-related facilities or facilities related to any of the followings, report it to the Commission within 30 days of the conclusion of the contract in accordance with the Ordinance of the Prime Minister. This shall also apply to cases where any reported information is to be modified:

1. Information concerning the design of safety-related equipment or facility (including designs related to their construction);
2. Information concerning the manufacture of safety-related equipment or facility;
3. Information concerning the performance verification of safety-related equipment or facility.

**Article 15-3 (Reporting of Nonconformance)**

Those who fall under any of the followings shall report to the Commission in accordance with its notice upon finding nonconformance in any safety-related equipment or facility that fails to meet the standards for permit under Article 11 or standards for license under Article 21, respectively:

1. Those who have submitted a permit application pursuant to Article 10 (2);
2. Installer of nuclear power reactor;
3. Designers or manufacturers of safety-related equipment or facilities under Article 15-2 (hereinafter referred to as “suppliers”);
4. Those who verify the performance of safety-related equipment or facilities under Article 15-2 (hereinafter referred to as “performance verifiers”).

**Article 15-4 (Designation of Performance Verifier Controlling Agency)**

(1) The Commission may designate a controlling agency (hereinafter
referred to as “performance verifier controlling agency”) among those that can be entrusted with the authority under Article 111 to control the performance verifiers efficiently.

(2) The performance verifier controlling agency shall survey and report the operational status of performance verifiers to the Commission.

(3) The Commission may survey the operational status of the performance verifier controlling agency, order correction if deemed necessary based on the survey findings, or revoke its designation if it falls under any of the followings. Provided, however, that when the agency falls under Item 1, its designation shall be revoked:

1. The agency is designated by false or other illegal means;
2. The agency fails to meet the criteria for designation under the Presidential Decree;
3. The agency fails to comply with corrective orders.

(4) The Presidential Decree shall set forth the necessary matters concerning the designation criteria and job scope (including services of certifying performance verifiers).

(5) Those wishing to be designated as performance verifier controlling agency as set forth under Paragraph (1) shall submit to the Commission the application and supporting documents set forth under the Ordinance of the Prime Minister.

(6) The Commission may pay – in the form of equity contribution or subsidy – the necessary expenses for the performance verifier controlling agency to perform its services.

**Article 16 (Inspection)**

(1) The installer of nuclear power reactor, suppliers, or performance verifiers shall undergo an inspection of the Commission with respect to the construction of the nuclear power reactor and related facilities, the matters on nuclear material control and accountancy, under the conditions as prescribed by the Presidential Decree.

(2) If it has turned out, as a result of the inspection as referred to in Paragraph (1) that he falls under any of the following Subparagraphs, the Commission may order an installer of nuclear power reactor, suppliers or performance verifiers to take corrective or complementary measures:

1. Where he has failed to meet the standards for the permit as referred in Article 11;
2. Where he has violated matters prescribed in the documents attached to an application for the permit under Article 10 (2) or the regulation on nuclear material control and accountancy under Article 15.
Article 17 (Revocation, etc. of Construction Permit)

(1) The Commission may order the revocation of permit, or the suspension of construction work by specifying a period not exceeding one year, in a case where an installer of nuclear power reactor falls under any of the following Subparagraphs. Provided, however, that the permit shall be revoked when the operator falls under either Item 1 or 5:
1. Where he has obtained the permit by fraud or by any other illegitimate means;
2. Where he has failed to commence the permitted construction work within the period as prescribed by the Presidential Decree or where he has suspended the construction work for not less than one year without justifiable reasons;
3. Where he has changed any matters subject to the permit under the provisions of the latter part of Article 10 (1) without obtaining the permit of change;
4. Where he has failed to meet the standards for the permit as referred to in Article 11;
5. Where he falls under any of Items 1, 2 and 4 of Article 14. Provided, that in a case where an executive officer of a corporation falls under such case and he is replaced within three months, this shall not apply;
6. Where he has violated an order issued under Article 16 (2) or 98 (1) and (3);
7. Where he has violated the provisions of Article 15 (1), 94 or 96;
8. Where he has violated the conditions for the permit as referred to in Article 99.

(2) When ordering the suspension of the construction work pursuant to Paragraph (1), the Commission may instead impose a penalty surcharge of five billion won or less when such suspension is feared to cause inconvenience to the users of the project or hurt public benefit.

(3) The Presidential Decree shall determine the criteria for suspending the construction under Paragraph (1) or the criteria for imposing a penalty surcharge under Paragraph (2).

(4) If the penalty surcharge as referred to in Paragraph (2) is not paid within the time limit, the Commission shall collect it pursuant to the procedures applicable to the disposition of national taxes in default or shall order the suspension of the construction work as set forth under Paragraph (1) after revoking the imposed a penalty surcharge under Paragraph (2)

Article 18 (Records and Keeping)
An installer of nuclear power reactor shall make records of matters concerning the construction of the nuclear power reactor and related facilities under the provisions of the Ordinance of the Prime Minister, and keep such records at each construction site or place of business.

**Article 19** (Succession and Report)

(1) Provided, That this shall not be the case where the successor (excluding the inheritor) falls under any of the disqualification criteria listed in Article 14 subparagraphs 1 to 4.
(2) In case the inheritor succeeding the position of nuclear power reactor installer pursuant to paragraph (1) falls under any of the disqualification criteria listed in Article 14 subparagraphs 1 through 3, the position shall be assigned to another individual within three months of the commencement date of the succession.
(3) The individual succeeding the position of nuclear power reactor installer pursuant to paragraph (1) shall report to the Commission in accordance with the matters prescribed in the Ordinance of the Prime Minister within 30 days of the succession.

**Section 2 Operation of Nuclear Power Reactor and Related Facilities**

**Article 20** (Operating License)

(1) A person, who wishes to operate the nuclear power reactor and related facilities, shall obtain license from the Commission under the conditions as prescribed by the Presidential Decree. The same shall apply in a case where he wishes to change any licensed matters. Provided, however, that when he wishes to change minor matters as prescribed by the Ordinance of the Prime Minister, he shall report it.
(2) Any person who desires to obtain a license under paragraph (1) shall submit to the Commission an application for a license that shall be accompanied by the technical specifications on the operation of a nuclear power reactor and the relevant facilities, a final safety analysis report, an accident management program(including a severe accident management program), a quality assurance plan related to its operation, an environmental impact assessment report of radiation(only the part that is different from the environmental impact assessment report of radiation submitted under Article 10 (2)), a decommissioning plan of a nuclear power reactor and the
relevant facilities (only the part that is different from the decommissioning plan submitted under Article 10 (2)), a plan for discharging radioactive materials etc. in liquid or gas form (including the total quantity to be discharged by site, period, and nuclide group), and other documents prescribed by the Ordinance of the Prime Minister.

(3) The provisions of Article 14 shall apply mutatis mutandis to the cases as referred to in Paragraph (1). Provided, that in this case, the term “Article 17” in Subparagraph 3 of Article 14 shall be regarded as “Article 24”.

**Article 21 (Standards for License)**

(1) The standards for the operation license as referred to in Article 20 (1) shall be as follows:
1. Technical capabilities necessary for the operation of the nuclear power reactor and related facilities, as provided for in the Regulations of the Commission, shall be available;
2. Performance of the nuclear power reactor and related facilities shall conform to the technical standards as prescribed by the Regulations of the Commission in such a way that there may not be any impediment to the protection against radiation damages to human bodies, materials and the general public caused by radioactive materials, etc.;
3. The operation of the nuclear power reactor and related facilities shall conform to the standards as prescribed by the Presidential Decree in order to prevent any harm to public health and the environment caused by radioactive materials, etc.;
4. The contents of the quality assurance program under Article 20 (2) shall conform to the standards as prescribed by the Regulations of the Commission;
5. The contents of the decommissioning plans specified under Article 20 (2) shall satisfy the standards provided under the Regulations of the Commission;
6. The contents of the accident management program submitted pursuant to Article 20 (2) shall satisfy the standards prescribed by the Regulations of the Commission.

(2) To permanently discontinue a nuclear power reactor and related facilities, the change license shall be obtained as provided under Article 20 (1). Some of the standards for license under the subparagraphs of paragraph (1) may not be applied if the case falls under any of the following:
1. When it is difficult to apply the standards for license under paragraph (1) without modification due to the permanent shutdown
of the nuclear power reactor and the related facilities;
2. When safety is not impeded in view of the purpose of permanent shutdown of the facilities even if the standards for license under paragraph (1) are not applied.

Article 22 (Inspection)

(1) A person, who has obtained license under Article 20 (1) (hereinafter referred to as “operator of nuclear power reactor”), suppliers, or performance verifiers shall undergo an inspection of the Commission for matters, etc. concerning the operation of the nuclear power reactor and related facilities, and the control and accountancy for the specific nuclear materials, under the conditions as prescribed by the Presidential Decree.

(2) The Commission may order correction or supplementation by the operator of nuclear power reactor, suppliers, or performance verifiers when they fall under any of the following based on the outcome of inspection under Paragraph (1):
1. They fail to satisfy the standards for permit under Article 21, or measure taken under Article 26 (1) is insufficient;
2. They turn out to disagree with the information given in supporting documents attached to their application under Article 20 (2) or violate the provisions concerning regulation on nuclear material control and accountancy under Article 15, which is applicable mutatis mutandis under Article 29.

Article 23 (Periodic Safety Review)

(1) The operator of the nuclear power reactor shall periodically review the safety of the nuclear power reactor and related facilities, and report the results thereof to the Commission under the conditions as prescribed by the Presidential Decree. Provided, however, that the Presidential Decree shall provide for any matters pertaining to the periodic assessment of the nuclear power reactor and related facilities that have been determined to permanently discontinued based on a change licence obtained pursuant to Article 21 (2).

(2) The Commission may, when the results of the periodic safety review referred to in Paragraph (1) and the safety measures taken based on such results are deemed insufficient, order the operator of the relevant nuclear power reactor to correct or supplement such insufficiencies.

(3) Matters concerning the method and contents of review, etc. in Paragraph (1) shall be prescribed by the Presidential Decree.
**Article 24** (Revocation, etc. of Operating License)

(1) The Commission may order the revocation of license or the suspension of the operation by specifying a period not exceeding one year, if the operator of the nuclear power reactor falls under any of the following Subparagraphs. Provided, however, that the permit shall be revoked when the operator falls under either Item 1 or 4:

1. Where he has obtained the license by fraud or by any other illegitimate means;
2. Where he has failed to commence the operation for which the license was issued, within the period as prescribed by the Presidential Decree or where he has discontinue the business continuously for not less than one year without justifiable reasons;
3. Where he has changed any matters subject to the permit under the provisions of the latter part of Article 20 (1) without obtaining the permit of change;
4. Where he falls under any of Subparagraphs 1, 2 and 4 of Article 14 as applied mutatis mutandis under Article 20 (3). Provided, that in a case where an executive officer of a corporation falls under such case and if he is replaced within three months, this shall not apply;
5. Where he has failed to meet the standards for the license as referred to in Article 21;
6. Where he has violated an order issued under Articles 22 (2), 23 (2), 27, 92 (2) or 98 (1) and (3);
7. Where he has violated the provisions of Article 15 (1) as applied mutatis mutandis under Article 29;
8. Where he has violated the provisions of Articles 26, 70, 89 (5), 94, 96 or 106 (1);
9. Where he has violated the conditions for the permit as referred to in Article 99.

(2) The provisions of Article 17 (2) through (4) shall be applied mutatis mutandis in a case where the suspension of the operation is to be ordered under Paragraph (1).

**Article 25** (Records and Keeping)

The operator of the nuclear power reactor shall make records of matters concerning the operation of the nuclear power reactor and related facilities under the provisions of the Ordinance of the Prime Minister, and keep such records at each operation site or place of business.

**Article 26** (Safety Measures for Operation, etc.)
(1) In case a nuclear power reactor operator operates a nuclear reactor for power generation and related facilities, he or she shall take the following measures in accordance with the matters prescribed in the Regulations of the Commission for the safety of human bodies, material objects and the public. Provided, That this shall not be necessary where it is acknowledged by the Commission that it is difficult to apply the measures, as prescribed, due to the differences in the purpose of use or design principles of the nuclear reactor or that it will not cause any safety issues even if the measures are not applied from the technical perspective: <Amended, Dec. 19, 2017>
1. Measures related to the radiation dose to be exposed to, etc.;
2. Measures related to the operational safety of the nuclear reactor;
3. Measures related to the self–inspections of the nuclear reactor facilities;
4. Measures related to the inspections and testing during the operation of the nuclear reactor facilities;
5. Other measures prescribed by Presidential Decree in regard to the safety of nuclear reactors for power generation and related facilities.
(2) The operator of the nuclear power reactor and his employees shall observe the technical specifications as referred to in Article 20 (2).
(3) The operator of the nuclear power reactor shall let, not less than one license holder of the supervisor of the nuclear reactor operation and also not less than one license holder of the operator of nuclear reactor under the provisions of Article 84, be present at the controls at all times during the operation of each nuclear reactor.
(4) The operator of the nuclear power reactor shall assign, not less than one license holder of the supervisor of nuclear fuel material handling and not less than one license holder of the supervisor of radiation handling under Article 84, to work for the safety control of nuclear material and radiation in the reactor and related facilities.
(5) The operator of a nuclear power reactor who has been permitted to permanently discontinue its operation pursuant to Article 21 (2) may be exempted partly from (1) through (4) if the Commission believes that the case falls under any of the following:
1. When paragraphs (1) through (4) can hardly be applied in full because the nuclear power reactor and related facilities have been permanently discontinued;
2. When safety is not endangered technically in view of the purpose of the permanent shutdown even though safety measures are not taken pursuant to paragraphs (1) through (4).

Article 27 (Suspension, etc. of Use of Nuclear Power Reactor and Related
Facilities)

The Commission may, when the performance of the nuclear power reactor and related facilities are deemed to be not in conformity with technical standards under the provisions of Subparagraph 2 of Article 21, or measures taken pursuant to Article 26 (1) are deemed insufficient, order the operator of the nuclear power reactor to take measures, such as suspension of use, reconstruction, repair, transfer, and designation of operation methods for the nuclear power reactor and related facilities, or change of technical specifications referred to in Article 20 (2), decontamination, or other necessary measures for safety.

**Article 28 (Decommissioning of Nuclear Power Reactor and Related Facilities)**

(1) If the operator of nuclear power reactor intends to decommission a nuclear power reactor and related facilities, he shall obtain in advance approval from the Commission as prescribed by the Presidential Decree. The same shall apply to the case where he intends to change such approved matters. Provided, however, that he shall file a report to the Commission when he intends to change minor matters as prescribed by the Ordinance of the Prime Minister.

(2) Those who desire to obtain approval under paragraph 1 shall submit to the Commission a written application together with decommissioning plans of the nuclear power reactor and the related facilities and documents provided for in the Ordinance of Prime Minister.

(3) The operator of a nuclear power reactor shall report the decommissioning status of its nuclear power reactor and the related facilities to the Commission as provided under the Ordinance of the Prime Minister. In such cases, the Commission shall check or inspect the decommissioning status of the nuclear power reactor and the related facilities.

(4) The operator of a nuclear power reactor shall report to the Commission upon completion of the decommissioning of its nuclear power reactor and the related facilities, as provided under the Ordinance of the Prime Minister.

(5) Those who desire to submit a report pursuant to the paragraph (4) shall submit to the Commission a report upon completion of the decommissioning together with the documents provided under Ordinance of the Prime Minister.

(6) The Commission shall inspect the nuclear power reactor and the related facilities upon completion of their decommissioning, as provided under Ordinance of the Prime Minister.
The Commission may order corrective or supplementary work if the operator of the nuclear power reactor fails to implement its decommissioning plans or if any discrepancies are found in its report on the completion of decommissioning under paragraph (5), based on the outcome of its check or inspection under paragraph (3) or its inspection under paragraph (6).

The Commission shall notify in written form the operator of the nuclear power reactor of its termination of the operational permit of the nuclear power reactor and the related facilities under Article 20 (1) upon completion of the inspection under paragraph (6).

When notifying the operator of the nuclear power reactor pursuant to the foregoing paragraph (8), the Commission may attach conditions to for the reuse of the site when the nuclear power reactor and related facilities are decommissioned if it is necessary to prevent radiation incidents or to protect public safety.

Article 29 (Mutatis mutandis application)

Articles 15, 15-2, 15-3, and 19 shall apply mutatis mutandis to the business approval of the operator of nuclear power reactor, reporting of a contract on safety-related facilities, reporting of nonconformance, or inheritance. In this connection, a installer of nuclear power reactor shall be regarded as operator of nuclear power reactor.

Section 3 Construction and Operation of Nuclear Research Reactor, etc.

Article 30 (Permit for the construction of research reactors)

A person, who intends to construct the nuclear reactor and related facilities for research or educational purposes, shall obtain, according to their respective types, permit from the Commission as prescribed by the Presidential Decree. The same shall also apply to the case where he wishes to change any permitted matters. Provided, however, that if he wishes to change any minor matters as prescribed by the Ordinance of the Prime Minister, he shall report it.

A person who intends to obtain a permit pursuant to paragraph (1) shall submit to the Commission a written permit application by type of permit together with the Radiation Environmental Report, Preliminary Safety Analysis Report, Quality Assurance Plan for Construction, decommissioning plans for research or educational nuclear reactors, and other documents as provided under Ordinance of the Prime Minister.
(3) Articles 11 and 14 shall apply mutatis mutandis to a permit or a modification permit under Paragraph (1). In this connection, “Article 17” under Paragraph (3), Article 14 shall read as “Article 32.”

Article 30-2 (Permit for the operation of research nuclear reactors)

(1) A person who intends to operate nuclear reactor and related facilities for research or educational purposes shall obtain, according to their respective types, a permit from the Commission as set forth under the Presidential Decree. The same shall also apply to the case where he wishes to change any permitted matters. Provided, however, that if he wishes to change any minor matters as prescribed by the Ordinance of the Prime Minister, he shall report it.

(2) A person, who intends to obtain the permit under Paragraph (1), shall submit an application for the permit to the Commission, together with the technical specifications, final safety analysis report, quality assurance plan for operation, radiation environmental report (corresponding to the portions that have varied from the radiation environment report submitted pursuant to Article 30 (2), decommissioning plans for nuclear reactors and other related facilities for research or educational purposes (limited to the modified portions of the decommissioning plans submitted pursuant to Article 30 paragraph (2)) and other supporting documents set forth under the Ordinance of the Prime Minister, depending on the type of permits.

(3) Articles 14 and 21 shall apply mutatis mutandis to a permit or a modification permit under Paragraph 1.

Article 31 (Report, etc. of Entry and Departure of Foreign Atomic Powered Ship)

(1) Where a person falling under each of the following Subparagraphs who owns a nuclear reactor–installed ship (excluding any warship and hereafter in this Article referred to as the “foreign atomic–powered ship”) intends to make his ship enter or leave a port in the Republic of Korea, he shall file a report in advance to the Commission as prescribed by the Presidential Decree:
   1. A person who does not have the Korean nationality; and
   2. A person who is not a juridical person or an organization established pursuant to Korean acts and subordinate statutes.

(2) Where the Commission has received the report as referred to in Paragraph (1) and deems necessary, he shall inform the Minister of Ocean and Fisheries of such measures that the operator of foreign atomic–powered ship shall take for prevention of disaster caused by nuclear reactor or radioactive material under the conditions as prescribed by the Ordinance of the Prime Minister.
(3) Upon receiving the report referred to in Paragraph (2), the Minister of Ocean and Fisheries shall order the operator of a foreign atomic–powered ship to take necessary measures for prevention of disaster caused by a nuclear reactor or radioactive material according to the contents of the report, and instruct the head of local harbor office to regulate properly the operation of such atomic–powered ship.

Article 32 (Revocation of Permit for Construction and Permit for Operation, etc.)

(1) The Commission may order the revocation of permit or the suspension of business within one year in a case where a person who has been granted permit under Article 30 (1)(hereinafter referred to as “installer of a nuclear research reactor, etc.”) or a person who has been granted permit under Article 30–2 (1)(hereinafter referred to as “Operator of a nuclear research reactor, etc.”) falls under any of the following Subparagraphs. Provided, however, that the approval shall be revoked when the person falls under either Item 1 or 4:

1. Where he has obtained the permit by fraud or by any other illegitimate means;
2. Where he has failed to commence the business for which the permit was issued within the period as prescribed by the Presidential Decree, or where he has suspended the business continuously for not less than one year without justifiable reasons;
3. Where he has failed to meet the standards for the permit as referred to in Articles 11 and 21 as applied mutatis mutandis under Article 30 (3) or Article 30–2 (3);
4. Where he falls under any of Subparagraphs 1, 2 and 4 of Article 14 as applied mutatis mutandis under Article 30 (3) or Article 30–2 (3). Provided, however, that in a case where an executive officer of a corporation falls under such case and he is replaced within three months, this shall not apply;
5. Where he has changed any matters subject to the permit under the provisions of the latter part of Article 30 (1) or the latter part of Article 30–2 (3) without obtaining the permit of change;
6. Where he has violated the provisions of Article 15 (1) or 26 as applied mutatis mutandis under Article 34;
7. Where he has violated an order issued under Article 16 (2), 22 (2), or 27 as applied mutatis mutandis under Article 34;
8. Where he has violated an order issued under Article 31 (3), 92 (2) or 98 (1) and (3);
9. Where he has violated the provisions of Article 70, 89 (5), 94, 96 or 106 (1);
10. Where he has violated the conditions for permit as referred to in Article 99:
11. The installer/operator has violated an order under, Article 23 (2), which is applied mutatis mutandis pursuant to Article 34 (1).

(2) Article 17 (2) through (4) shall apply mutatis mutandis when the Commission is to suspend a project pursuant to Paragraph (1).

**Article 33** (Report on Suspension and Discontinuation of Business)

When the installer of a nuclear research reactor or operator of a nuclear research reactor suspends or discontinues, in whole or in part, his business or resumes his suspended business, he shall file a report to the Commission within 30 days from the date of such suspension, discontinuation or resumption of the business.

**Article 34** (Mutatis mutandis application)

(1) Articles 15, 15–2, 15–3, 16, 18, 19, 22, 23, and 25 through 28 shall apply mutatis mutandis to the various duties of an installer/operator of research reactor.
(2) For the mutatis mutandis application set forth under Paragraph (1), a power generation reactor installer shall read as research reactor installer, whereas a power generation reactor operator shall read as research reactor operator.

**Chapter IV Nuclear Fuel Cycle Business and Use of Nuclear Material, Etc.**

**Section 1 Nuclear Fuel Cycle Business**

**Article 35** (Permit, etc. for Nuclear Fuel Cycle Business)

(1) A person, who intends to carry on the business of refining or fabricating nuclear source material or nuclear fuel material (including the business of converting such material), shall obtain permit from the Commission as prescribed by the Presidential Decree. The same shall also apply to the case where he intends to change any permitted matters. Provided, that if he wishes to change any minor matters as prescribed by the Ordinance of the Prime Minister, he shall report it.
(2) A person, who intends to carry on the spent fuel processing business, shall have his business designated by the competent minister under the conditions as prescribed by the Presidential Decree. If he wishes to change any designated matters, he shall obtain the permit of the competent minister. Provided, that if he wishes to change any minor matters as prescribed by the Ordinance of the Prime Minister, he shall report it.

(3) A person, who intends to obtain permit under the provisions of Paragraph (1), shall submit to the Commission and a person, who intends to have his business designated under the provisions of Paragraph (2), shall submit to the competent minister, respectively, an application for the permit or the designation together with radiation environmental report, safety control regulations, explanatory statement of design and work methods, quality assurance program for the operation of the business, decommissioning plans and other documents as prescribed by the Ordinance of the Prime Minister.

(4) Matters necessary for the processing or disposal of spent fuel shall be determined by the The Minister of Science and ICT and the Minister of Trade, Industry and Energy in consultation with the Commission and the relevant ministers and through deliberation and decision of the Nuclear Energy Promotion Commission as prescribed by article 3 of the Nuclear Energy Promotion Act.

(5) The provisions of Article 14 shall apply mutatis mutandis to the case as referred to in Paragraphs (1) and (2). In this case, “Article 17” in Subparagraph 3 of Article 14 shall be regarded as “Article 38”.

**Article 36 (Standards for Permit, etc.)**

(1) Standards for permit or designation as referred to in Article 35 (1) and (2) are as follows:

1. Technical capability necessary for the undertaking of business, as provided for in the Ordinance of the Prime Minister, shall be available;

2. Location, structure, equipment, and performance of nuclear fuel cycle facility shall conform to technical standards as prescribed by the Regulations of the Commission of the Prime Minister in such a way that there may not be any impediments to the preventive measures against hazards to human bodies, materials, and the general public caused by radioactive material, etc.;

3. The operation of nuclear fuel cycle facility shall conform to the standards as prescribed by the Presidential Decree in order to prevent any harm to public health and the environment caused by radioactive material, etc.;

4. The contents of the decommissioning plans under Article 35 (3) shall meet the criteria provided under the Regulations of the Commission.
(2) The nuclear fuel cycle enterpriser shall obtain a change permit under Article 35 (1) to permanently discontinue its nuclear fuel cycling facility. Some of the designation criteria under the subparagraphs of paragraph (1) may not be applied when the case falls under any of the following:
1. When the standards for permit or designation under paragraph (1) can hardly be applied because the nuclear fuel cycling facilities have been permanently discontinued;
2. When safety is not impeded in view of the purpose of permanently discontinuing the facilities even if the standards for permit under paragraph (1) are not applied.

Article 37 (Inspection)

(1) A person who has obtained permit or designation under the provisions of Article 35 (1) and (2) (hereinafter referred to as “nuclear fuel cycle enterpriser”) shall undergo the inspection of the Commission on matters, etc. concerning the installation and operation of nuclear fuel cycle facility, and the control and accountancy for the specific nuclear material as prescribed by the Presidential Decree.

(2) If it has turned out, as a result of the inspection as referred to in Paragraph (1), that a nuclear fuel cycle enterpriser falls under any of the following Subparagraphs, the Commission may order him to take corrective or complementary measures:
1. Where he has failed to meet standards for permit under the provisions of Article 36, or where safety measures under the provisions of Article 40 (1) are insufficient;
2. Where he has violated matters prescribed in the documents attached to an application for permit under the provisions of Article 35 (3) and the regulation on nuclear material control and accountancy under the provisions of Article 15 applicable mutatis mutandis under Article 44.

Article 38 (Revocation of Permit, etc.)

(1) In a case where the nuclear fuel cycle enterpriser falls under any of the following Subparagraphs, the Commission may revoke the permit and the competent minister may cancel the designation, respectively, or they may order him to suspend his business by specifying a period not exceeding one year. Provided, however, that the permit or designation shall be revoked when the operator falls under either Subparagraph 1 or 4:
1. Where he has obtained the permit or the designation by fraud or by any other illegitimate means;
2. Where he has failed to commence the permitted or designated business
within such period as prescribed by the Presidential Decree or has suspended such business continuously for not less than one year:
3. Where he has changed any matters subject to the permit under the provisions of the latter part of Article 35 (1) or (2) without obtaining the permit of change;
4. Where he falls under any of Subparagraphs 1, 2 and 4 of Article 14 as applied mutatis mutandis under Article 35 (5). Provided, that in a case where an executive officer of a corporation falls under such case and he is replaced within three months, this shall not apply;
5. Where he has failed to meet the standards for the permit or designation as referred to in Article 36;
6. Where he has violated an order given under Article 37 (2), 41, 92 (2) or 98 (1) and (3):
7. Where he has violated the provisions of Articles 40 (1) or (2), 70, 89 (5), 94, 96 or 106 (1):
8. Where he has violated the provisions of Article 15 (1) which apply mutatis mutandis under Article 44;
9. Where he has violated the conditions for the permit or the designation as referred to in Article 99.
(2) The provisions of Article 17 (2) through (4) shall apply mutatis mutandis in a case where a suspension of business shall be ordered under the provisions of Paragraph (1).

Article 39 (Records and Keeping)

The nuclear fuel cycle enterpriser shall make records of matters on the construction and operation of nuclear fuel cycle facility under the conditions as prescribed by the Ordinance of the Prime Minister and keep such records at each site or place of business.

Article 40 (Safety Measures, etc. for Operation)

(1) In operating the facility, the nuclear fuel cycle enterpriser shall take measures, etc. for the safety of human bodies, materials and the public under the conditions as prescribed by the Presidential Decree.
(2) The nuclear fuel cycle enterpriser and his employees shall observe the safety control regulations referred to in Article 35 (3).
(3) When a nuclear fuel cycle enterpriser has obtained a change permit for permanent shutdown pursuant to Article 36 (2), parts of paragraphs (1) and (2) may not be applied if the Commission determines that the case falls under any of the following:
1. When paragraphs (1) and (2) can hardly be applied because the
nuclear fuel cycling facilities have been permanently discontinued;  
2. When safety is not endangered technically in view of the purpose of the 
permanent shutdown even though safety measures are not taken pursuant 
to paragraphs (1) and (2).

**Article 41** (Measures for Suspension of Operation of Nuclear Fuel Cycle Facility)

The Commission, when he recognizes that the safety measures under the 
provisions of Article 40 are insufficient, may order the nuclear fuel cycle 
enterpriser to suspend using the facility, or renovate, repair, relocate such 
facility and to take measures for the safety of such facility including the 
designation of operational methods.

**Article 42** (Decommissioning of Nuclear Fuel Cycle Facility)

(1) The nuclear fuel cycle enterpriser, who intends to decommission 
nuclear fuel cycling facilities, shall obtain approval to decommission 
plans from the Commission in advance as provided under the 
Presidential Decree. This shall also apply to cases where any 
approved details are to be modified. Provided, however, that if he 
wishes to change any minor matters as prescribed by the Ordinance of 
the Prime Minister, he shall report it to the Commission.  
(2) Those who desire to obtain approval under paragraph (1) shall 
submit to the Commission a written application together with 
decommissioning plans for the nuclear fuel cycling facilities and 
documents as provided under Ordinance of Prime Minister.  
(3) Deleted.  
(4) Deleted.

**Article 43** (Report on Business Commencement)

Any nuclear fuel cycle enterpriser shall, when he commences, suspends, or 
discontinues his business or resumes his suspended business, file a report to 
the Commission within 30 days from the date of such commencement, 
suspension, discontinuation or resumption of his business.

**Article 44** (Mutatis mutandis application)

Article 15, 19 and 28 (3) through (9) shall apply mutatis mutandis to 
approval of the operation, succession or decommissioning of nuclear fuel 
cycling facilities. In this connection, a “nuclear power reactor installer” or 
a “nuclear power reactor operator” shall be deemed to be a nuclear fuel
cycle enterprise.

**Section 2 Use of Nuclear Material**

**Article 45** (Permit for Use, etc. of Nuclear Fuel Material)

(1) A person, who wishes to use or possess nuclear fuel material, excluding those falling under any of the following Subparagraphs, shall obtain the permit of the Commission under the conditions as prescribed by the Presidential Decree. The same shall also apply to the case where he wishes to change permitted matters. Provided, that if he wishes to change any minor matters as prescribed by the Ordinance of the Prime Minister, he shall report it:

1. Where the installer of nuclear power reactor, the operator of nuclear power reactor, the installer of nuclear research reactor or the operator of nuclear research reactor, etc. uses nuclear fuel materials for the permitted business;
2. Where the nuclear fuel cycle enterpriser uses nuclear fuel material for the permitted or designated business;
3. Where nuclear fuel material of such kinds and quantity as prescribed by the Presidential Decree is used.

(2) A person, who intends to obtain permit as provided for in Paragraph (1), shall file an application for permit, attached with the safety control regulations and documents prescribed by the Ordinance of the Prime Minister, to the Commission.

(3) The provisions of Article 14 shall apply mutatis mutandis with respect to cases as referred to in Paragraph (1). In this case, “Article 17” in Subparagraph 3 of Article 14 shall be regarded as “Article 48”.

**Article 46** (Standards for Permit)

The standards for the permit as provided in Article 45 (1) shall be as follows:

1. Technical capability necessary for the use or possession of nuclear fuel material, as provided for in the Ordinance of the Prime Minister, shall be available;
2. Location, structure and equipment of use facility, distribution facility, storage facility, conservation facility, treatment facility and discharge facility(hereinafter referred to as “use facility, etc.”) shall conform to the technical standards as prescribed by the Regulations of the Commission and there shall not be impediment to the preventive measures against damages
to human bodies, materials and the public caused by radioactive material, etc.;
3. Any use or possession of nuclear fuel material shall conform to the standards as prescribed by the Presidential Decree in order to prevent any harm to public health and the environment caused by radioactive material, etc.;
4. It is required to secure equipment and manpower prescribed by the Presidential Decree.

Article 47 (Inspection)

(1) A person, who has obtained permit under Article 45 (1)(hereinafter referred to as “nuclear fuel material user”), shall undergo the inspection of the Commission with respect to matters, etc. concerning the use or possession of nuclear fuel material and the control and accountancy of specific nuclear material, under the conditions as prescribed by the Presidential Decree.

(2) If it has turned out as a result of the inspection as referred to in Paragraph (1) that a nuclear fuel material user falls under any of the following Subparagraphs, the Commission may order him to take corrective or complementary measures:

1. Where he has failed to meet the standards for the permit as provided in Article 46, and the technical standards as provided in the main sentence of Article 50 (1);
2. Where he has violated matters prescribed in the documents attached to an application for permit referred to in Article 45 (2) or the regulation on nuclear material control and accountancy referred to in Article 15 applicable mutatis mutandis under the provisions of Article 51.

Article 48 (Revocation, etc. of Permit for Use and Possession)

(1) The Commission may, in a case where a nuclear fuel material user falls under any of the following Subparagraphs, revoke his permit or order him to suspend his operation by specifying a period of not exceeding one year. Provided, however, that the permit shall be revoked when the operator falls under either Subparagraph 1 or 3:

1. Where he has obtained the permit by fraud or by any other illegitimate means;
2. Where he has changed any matters subject to the permit under the provisions of the latter part of Article 45 (1) without obtaining the permit of change;
3. Where he falls under any of Subparagraphs 1, 2 and 4 of Article 14 as
applied mutatis mutandis under Article 45 (3). Provided, that in a case where an executive officer of a corporation falls under such case and he is replaced within three months, this shall not apply;

4. Where he has failed to meet the standards for the permit as provided in Article 46;

5. Where he has violated the provisions of Article 15 (1) which applies mutatis mutandis under Article 50 (3) or the provisions of Article 51;

6. Where he has violated an order issued under Article 47 (2), 50 (2), 92 (2) or 98 (1) and (3);

7. Where he has violated the provisions of Article 70, 94, 96 or 106 (1);

8. Where he has violated the conditions for the permit as provided in Article 99.

(2) When suspending a service as set forth under Paragraph (1), the Commission may instead impose a penalty surcharge of 500 million won or less.

(3) The Presidential Decree shall determine the criteria for suspending the service under Paragraph (1) or the criteria for imposing a penalty surcharge under Paragraph (2).

(4) When the person who is supposed to pay the fine under Paragraph (2) fails to do so within the given period, the Commission shall collect it pursuant to the procedures applicable to the disposition of national taxes in default or shall suspend the service as set forth under Paragraph (1) after revoking the imposed penalty surcharge under Paragraph (2).

**Article 49** (Records and Keeping)

A nuclear fuel material user shall make records of matters concerning the use or possession of nuclear fuel material under the conditions as prescribed by the Ordinance of the Prime Minister and keep such records at each site or place of business.

**Article 50** (Obligation to Observe Standards, etc.)

(1) Any nuclear fuel material user shall observe the technical standards prescribed by the Regulations of the Commission with respect to matters falling under the following Sub-paragraphs:

1. Use, distribution, storage, transport, conservation, treatment and discharge of nuclear fuel material or other materials contaminated thereby in places of business;

2. Use facility, etc. of nuclear fuel material or other materials contaminated thereby.

(2) The Commission may, when he deems that use, distribution, storage,
Article 51 (Provisions Applicable Mutatis Mutandis)

The provisions of Articles 15, 19, and 43 shall apply mutatis mutandis to a nuclear fuel material user with respect to the business approval, succession or reporting. In this case, the “installer of nuclear power reactor” or the “nuclear fuel cycle enterpriser” shall be deemed the “nuclear fuel material user”.

Article 52 (Notification of Use of Nuclear Source Material)

(1) Any person, who intends to use nuclear source material, except any case falling under each of the following Subparagraphs, shall file a notification to the Commission as prescribed by the Presidential Decree. The same shall apply to the case where he intends to change the notified matters:
   1. A nuclear source material is used by a power generation/research reactor installer/ operator or a nuclear fuel cycle service operator for the permitted or designated service;
   2. Where nuclear source material of such kinds and quantity as prescribed by the Ordinance of the Prime Minister is used.
(2) A person, who has filed a notification pursuant to Paragraph (1) (hereinafter referred to as “nuclear source material user”), shall use nuclear source material according to the technical standards as prescribed by the Regulations of the Commission.
(3) In case that the use of nuclear source material fail to conform to the technical standards as provided in Paragraph (2), the Commission may order the nuclear source material user to take corrective or complementary measures to bring his use of such materials into conformity with such standards.
(4) A nuclear source material user shall record matters concerning the use of nuclear source material as prescribed by the Ordinance of the Prime Minister and keep such records at each site or place of business.
(5) Article 14 shall apply mutatis mutandis to the reasons for disqualification of nuclear source material users. In this connection, “permit under, Article 10 (1) shall not be obtained” in the main sentence
of Article 14 shall be deemed as “notification under Article 52 (1) shall not be made.”, “after the permit is revoked pursuant to Article 17” under Subparagraph 3 of the same Article shall be deemed as “after the use is prohibited pursuant to Article 52 (6),” whereas “among officers” under Subparagraph 4 of the same Article shall be deemed as “representative”.

(6) The Commission may prohibit use within one year or less when a nuclear source material user falls under any of the following:
1. Notification is made using false or other illegal means;
2. A user alters or modifies a notified matter without making a revised notification pursuant to the latter half of Paragraph (1);
3. The user falls under subparagraphs 1, 2 and 4 of Article 14 which is applied under Paragraph (5) mutatis mutandis: Provided, however, that this shall not apply to cases wherein the representative of a corporation falling under one of such causes is replaced within three months;
4. The user has violated an order under Paragraph (3), Article 92 (2) or Article 98 (1) and (3);
5. The user has violated Article 106 (1).

(7) Article 48 (2) through (4) shall apply mutatis mutandis when the use prohibition is to be ordered pursuant to Paragraph (6).

(8) In applying Paragraph (7), “service suspension” shall read “use prohibition.”

Chapter V  Radioisotope and Radiation Generating Device

Article 53 (Permit, etc. for Use, etc. of Radioisotope and Radiation Generating Device)

(1) A person who intends to produce, sell, use(including the possessing and handling; hereinafter the same shall apply) or make a mobile-use of radioisotope or radiation generating device(hereinafter referred to as “radioisotope, etc.”), shall obtain permit from the Commission as prescribed by the Presidential Decree. The same shall also apply to the case where he wishes to change any permitted matters. Provided, that if he intends to change minor matters such as temporary change of place of use as prescribed by the Ordinance of the Prime Minister, he shall file a report thereon.

(2) Notwithstanding the provisions of Paragraph (1), a person who intends to use or make a mobile-use of sealed radioisotope, the purpose of use or the quantity of which is smaller than what is prescribed by the Ordinance of the Prime Minister or a radiation generating device, the
purpose of use or the capacity of which is smaller than what is prescribed by the Ordinance of the Prime Minister, shall file a notification to the Commission as prescribed by the Presidential Decree. The same shall apply to the case where he intends to change the notified matters.

(3) Any person who intends to obtain permit under Paragraph (1) shall file application for permit, attached with safety analysis report, quality assurance program, radiation safety report and safety control regulation and other documents prescribed by the Ordinance of the Prime Minister, to the Commission and any person who intends to file a notification under Paragraph (2) shall file such notification, attached with documents prescribed by the Ordinance of the Prime Minister, with the Commission. Provided, that the submission of the safety analysis report and the quality assurance program shall be limited to any person who intends to obtain permit for production.

(4) The provisions of Article 14 shall apply mutatis mutandis to any person who has been granted permit under Paragraph (1)(hereinafter referred to as “permitted user”) and any person who has filed a notification under Paragraph (2)(hereinafter referred to as “notified user”). In this case, phrase “the permit of Article 10 (1) shall not be granted” in the main sentence of Article 14 shall be deemed as “no permit or notification of Article 53 (1) or (2) shall be allowed”; phrase “after the permit was cancelled under Article 17” in Subparagraph 3 of the same Article shall be deemed as “after the permit was cancelled or the use is prohibited under Article 57”; and “among officers” in Subparagraph 4 of the same Article shall be deemed as “representative”, respectively.

Article 53–2 (Radiation Safety Officer)

(1) All permitted or notified users shall appoint a radiation safety officer to perform the services listed below concerning the safety management of radiation as set forth under the Presidential Decree and report such to the Commission before commencing the use of radioactive isotopes, etc.(this shall also apply to cases wherein any declared information is to be modified):

1. Inspection of compliance with the safety control regulation under Article 53 (3) and technical standards under Article 59 (1);
2. Measure to Prevent Radiation Damage taken under Article 91 for those who engage in radiation work or access radiation control zones;
3. Recommendation of actions concerning radiation safety management for permitted or notified users;
4. Other measures required to control radiation safety.

(2) The Commission may order the permitted or notified user to dismiss a
radiation safety officer when he/she neglects the services under Paragraph (1). 
(3) The permitted or notified user shall, if there is no reasonable dismiss the relevant radiation safety officer and shall appoint a new one without delay when ordered to dismiss the former pursuant to Paragraph (2) and shall also report the dismissal or appointment to the Commission within 30 days of the date of dismissal. 
(4) The permitted or notified user shall not appoint as a radiation safety officer anyone who was dismissed pursuant to Paragraph (3) within a year. 
(5) The permitted or notified user and those who engage in radiation work or access radiation-controlled areas shall follow the actions or recommendations by the radiation safety officer concerning radiation safety management. 
(6) A permitted user or reported user who has appointed a radiation safety officer pursuant to paragraph (1) shall, in case of falling under any of the following, designate a substitute in accordance with the matters prescribed by Presidential Decree:
1. The radiation safety officer cannot temporarily perform his/her duties due to travel, illness or any other reasons; 
2. Another radiation safety officer has not been appointed at the time of dismissal or resignation of the radiation safety officer. 
(7) The necessary matters such as the qualification criteria of radiation safety officers and substitutes thereof and the substitution period shall be prescribed by Presidential Decree.

Article 54 (Registration of Business Agent)

(1) Any person who intends to run the business falling under each of the following Subparagraphs on behalf of any permitted user and notified user shall register his business with the Commission: 
1. Removal of radioactive contamination; 
2. Collection, treatment and transport of radioisotope, etc. and radioactive waste; 
3. Preparing radiation safety report and safety control regulation; 
4. Supervising the installment of use facilities, etc.; 
5. Radiation safety control; 
6. Other business related to the safety control of radiation and the prevention of radiation hazard, which is prescribed by the Ordinance of the Prime Minister. 
(2) Any person who has registered his business under Paragraph (1) (hereinafter referred to as “business agent”) shall, when he intends to change the registered matters, file a report thereon with the Commission. 
(3) Any person who intends to register his business under Paragraph (1)
shall file an application therefor, appended by business agency regulation and other documents prescribed by the Ordinance of the Prime Minister, with the Commission.

(4) The provisions of Article 14 shall apply mutatis mutandis to the case of Paragraph (1). In this case, phrase “the permit of Article 10 (1) shall not be granted” in the main sentence of Article 14 shall be deemed as “no registration of Article 54 (1) shall be allowed”; phrase “after the permit was cancelled under Article 17” in Subparagraph 3 of the same Article shall be deemed as “after the registration was cancelled under Article 57”; and “among officers” in Subparagraph 4 of the same Article shall be deemed as “representative”, respectively.

Article 55 (Standards for Permit, etc.)

(1) The standards for permit referred to in Article 53 (1) shall be as follows:
1. Location, structure and equipment of production facility and use facility, etc. shall conform to the technical standards prescribed by the Regulations of the Commission;
2. Radiation exposure caused by radioisotope, material contaminated by such radioisotope or a radiation generating device shall not exceed the dose limit prescribed by the Presidential Decree.
3. The performance of radioisotope to be produced and the contents of quality assurance program shall be in conformity with the standards prescribed and published by the Commission;
4. Equipment and manpower as prescribed by the Presidential Decree shall be secured.

(2) The standards required for the registration as prescribed in Article 54 (1) shall be as follows:
1. It is required to secure the technical capability necessary to perform the agency business; as provided for in the Ordinance of the Prime Minister;
2. It is required to secure the equipment and manpower prescribed by the Presidential Decree;
3. It is required to make the scope of business agency and business agency regulation in conformity with the standards set by the Ordinance of the Prime Minister.

Article 56 (Inspection)

(1) The permitted user and business agent shall undergo inspections of the Commission as prescribed by the Presidential Decree with respect to
production, sale, use, mobile-use or agency business of radioisotope, etc. Provided, that the same shall not apply to the case where such inspections are exempted as prescribed by the Presidential Decree.

(2) If it has turned out, as a result of the inspection as referred to in Paragraph (1) that the permitted user or the business agent falls under any of the following Subparagraphs, the Commission may order him to take corrective or complementary measures:

1. Where he has failed to meet the standards for the permit as provided in Article 55 (1) or the standards for the registration as provided in Article 55 (2);
2. Where he has violated the safety control regulation as prescribed in Article 53 (3) or the agency business regulation as prescribed in Article 54 (3).

**Article 57** (Revocation, etc. of Permit for Production, Sale, Use or Mobile-Use, etc.)

(1) If the permitted user, the notified user or the business agent falls under any of the following Subparagraphs, the Commission may revoke the permit or registration, or may order the suspension of business or the prohibition of use (limited to the notified user) for a fixed period not exceeding one year. Provided, however, that the permit or designation shall be revoked when the person falls under either paragraph 1 or 4:

1. Where he has obtained permit, filed a notification or registered his business by fraud or by any other illegitimate means;
2. Where he has failed to commence the permitted business within the period as prescribed by the Presidential Decree or has suspended the business continuously for not less than one year without justifiable reasons;
3. Where he has changed any permitted matters, notified matters or registered matters without obtaining change permit, filing a notification on change under the provisions of the latter part Article 53 (1), (2) or Article 54 (2);
4. Where he falls under any of Subparagraphs 1, 2 and 4 of Article 14 which apply mutatis mutandis under Articles 53 (4) and 54 (4). Provided, that the same shall not apply to the case where the representative of a corporation who falls under such case is replaced within three months from the date he is found to fall under such case;
5. Where he has failed to meet the standards for permit or registration as provided for in Article 55;
6. Where he has violated an order or a report under the provisions of Article 56 (2), 59 (2), 92 (2) or 98 (1) and (3);
7. Where he has violated the provisions of Article 59 (3), 70, 94, 96 or
8. Where he has violated the conditions for permit as provided for in Article 99.

(2) When suspending a service or prohibiting use as set forth under Paragraph (1), the Commission may instead impose a penalty surcharge of 500 million won or less.

(3) The Presidential Decree shall determine the criteria for suspending a service or prohibiting use under Paragraph (1) or the criteria for imposing a Penalty surcharge under Paragraph (2).

(4) When the person who is supposed to pay the penalty surcharge under Paragraph (2) fails to do so within the given period, the Commission shall collect it pursuant to the procedures applicable to the disposition of national taxes in default or shall suspend service or prohibit use as set forth under Paragraph (1) after revoking the imposed penalty surcharge under Paragraph (2).

Article 58 (Records and Keeping)

The permitted user, the notified user and the business agent shall record matters concerning production, use, mobile-use, distribution, storage, transport, conservation, treatment, discharge, sales, or agency business, etc., of radioisotope, etc. as prescribed by the Ordinance of the Prime Minister and shall keep such recorded matters at each site or business place.

Article 59 (Obligation, etc. to Observe Standards)

(1) The permitted user or the notified user shall observe the technical standards on each of the following Subparagraphs, as prescribed by the Regulations of the Commission:

1. Location, structure and equipment of production facility and use facility, etc. of radioisotope or other materials contaminated by radioisotope or radiation generating device;
2. Production, use, distribution, storage, transport, conservation, treatment and discharge of radioisotope or materials contaminated by radioisotope or radiation generating device at a business place;
3. Mobile-use and sales of radioisotopes, etc.

(2) The Commission may order the permitted user and the notified user to repair, renovate, relocate or suspend using the facility concerned, change the methods of handling such facility and take other necessary safety measures, when the location, structure and equipment of production facility or use facility, etc. of radioisotope or other materials contaminated by radioisotope or radiation generating device, or production, use, distribution, storage,
transport, conservation, treatment, and discharge of them at a business place, and mobile—use or sales of radioisotope, etc. are deemed to fail to conform to the technical standards referred to in Paragraph (1).

(3) The permitted user and his employees shall observe the safety control regulation as provided in Article 53 (3), and the business agent and his employees shall observe the business agency regulation as prescribed in Article 54 (3).

Article 59-2 (Owner’s duty for safety actions)

(1) When any radioactive isotope, etc., is mobile—used for radiographic examination pursuant to Article 53, the person who has requested for the radiographic examination (hereinafter referred to as “owner”) shall provide a safe work environment as set forth under the Regulations of the Commission to prevent those radiation workers using the portable radioactive isotope, etc., from being exposed to excessive radiation.

(2) The Commission may order the owner to install or supplement the following safety equipment:
   1. Dedicated workplace suitable for measures for preventing radiation hazards pursuant to Article 91;
   2. Shielding facility or barriers for protection against radiation.

(3) The Commission may order the suspension of radiographic examination work as set forth under the Regulations of the Commission when the safety of the radiation workers is endangered after the owner fails to follow the Commission’s order to install or supplement safety facilities pursuant to Paragraph (2).

(4) Radiographic examination shall not be conducted in a workplace where work is suspended pursuant to Paragraph (3);

(5) The Presidential Decree shall set forth the necessary items, procedures, methods, or other matters required for the owner or permitted or notified user to resume the work that has been suspended pursuant to Paragraph (3).

(6) The owner shall report to the Commission the actual daily workload of radiation workers to secure safe work conditions. In this connection, the Regulations of the Commission shall provide the details to report, reporting method, procedure, and other necessary matters.

(7) The owner shall follow when a radiation safety officer requests the owner for the necessary actions or assistance to perform safe radiographic examination when such is conducted mobile—using radioactive isotope, etc.

(8) The Regulations of the Commission shall set forth detailed standards for safety equipment or other necessary matters under Paragraph (2).
Article 60 (Approval, etc. of Design of Radiation Generating Device, etc.)

(1) Any person intending to manufacture radiation generating devices or equipment containing radioisotopes (hereinafter referred to as “radiation equipment”) or to import the radiation equipment manufactured in a foreign country shall obtain approval from the Commission therefor, as prescribed by Presidential Decree. The same shall also apply to any proposed modifications thereof.

(2) Notwithstanding paragraph (1), radiation equipment may be manufactured or imported without the approval of the Commission if any of the following applies:
   1. In case of manufacturing or importing an identical type of radiation equipment as one that has been approved of pursuant to paragraph (1);
   2. In case it is for developing a prototype for testing purposes or for academic research of a non-profit organization and such conforms to the standards determined and publicly announced by the Commission;
   3. In case of manufacturing the radiation equipment exclusively for export and such conforms to the standards determined and publicly announced by the Commission;
   4. Other cases prescribed by Presidential Decree.

(3) A person intending to obtain approval pursuant to paragraph (1) shall submit to the Commission the design materials, safety assessment materials, and a quality assurance plan (applicable only in cases in which radiation equipment is to be manufactured) for the radiation equipment with the documents prescribed by Ordinance of the Prime Minister attached thereto.

(4) The standards for design approval for each type of radiation equipment referred to in paragraph 1 shall be prescribed by Presidential Decree.

Article 61 (Inspection)

(1) Any person who has obtained approval pursuant to Article 60 (1) shall have the manufactured or imported radiation equipment inspected by the Commission according to the radiation equipment type as prescribed by Presidential Decree: Provided, That the same shall not apply in any of the following cases:
   1. The type of radiation equipment to be manufactured or imported is identical to the type that has passed the inspection;
   2. The radiation equipment to be imported conforms to the standards determined and publicly announced by the Commission as the approval procedure of the country of manufacture has been completed.
(2) The matters necessary for the standards of inspection referred to in paragraph (1) shall be determined and publicly announced by the Commission.

(3) All permitted users and reported users shall use radiation equipment that falls under at least one of the following: <Amended, 2017. 12. 19.>

1. Radiation equipment that has passed the inspection referred to in the main sentence of paragraph (1) or that has been exempted from the inspection in accordance with the proviso to paragraph (1);
2. Radiation equipment that has been exempted from design approval in accordance with Article 60 (2).

Article 62 (Provisions Applicable Mutatis Mutandis)

The provisions of Articles 19 and 43 shall apply mutatis mutandis to the permitted user, notified user and business agent with respect to the business succession or reporting. In this case, the “installer of nuclear power reactor”, or the “nuclear fuel cycle enterpriser” shall be deemed the “permitted user, the notified user and the business agent”.

Chapter VI  Disposal and Transport

Article 63 (Permit for Construction and Operation of radioactive waste management facilities, etc.)

(1) Any person, who intends to construct and operate a storage, processing and disposal facility of radioactive wastes and accessory facility (hereinafter referred to as “radioactive waste management facilities, etc.”) shall obtain permit of the Commission under the conditions as prescribed by the Presidential Decree. The same shall also apply in a case where he wishes to change any permitted matters. Provided, that if he wishes to change any minor matters as prescribed by the Ordinance of the Prime Minister, he shall report it.

(2) Any person who intends to obtain permit under the provisions of Paragraph (1) shall file to the Commission application for such permit, attached with radiation environmental report, safety analysis report, safety control regulations, statement explaining design and methods of construction work, quality assurance program concerning construction and operation, and other documents prescribed by the Ordinance of the Prime Minister.

(3) The provisions of Article 14 shall apply mutatis mustandis to the provisions of Paragraph (1) with respect to the disqualification. In this
case, “Article 17” in Subparagraph 3 of Article 14 shall be deemed “Article 66”.

**Article 64** (Standards for Permit)

Standards for permit referred to in Article 63 (1) shall be as follows:
1. Technical capability necessary for the construction and operation of radioactive waste management facilities, etc. as provided for in the Ordinance of the Prime Minister, shall be available;
2. Location, structure, equipment, and performance of radioactive waste management facilities, etc. shall conform to such standards as prescribed by the Regulations of the Commission, in such a way that they may not be any impediment to the prevention of hazards to human body, material and the general public caused by radioactive material, etc.;
3. Construction and operation of radioactive waste management facilities, etc. shall conform to the standards as prescribed by the Presidential Decree in order to prevent any harm to public health and the environment caused by radioactive material, etc.;
4. It is required to secure the equipment and manpower prescribed by the Presidential Decree;
5. The post-shutdown management plan for all or a part of radioactive waste disposal facilities shall comply with the management standards prescribed by the Regulations of the Commission to secure the safety of the radioactive waste disposal facilities during the period prescribed by the Presidential Decree, not exceeding 300 years.

**Article 65** (Inspection)

(1) Those who have obtained a permit for the construction and operation of facilities for the management of radioactive wastes pursuant to Article 63 (1)(hereinafter referred to as “installer/operator of radioactive waste management facilities, etc.”) shall have all matters related to the construction and operation of radioactive waste management facilities, etc. the storage, treatment or disposal of radioactive wastes, and the matters on nuclear material control and accountancy inspected by the Commission as provided under the Presidential Decree.

(2) The Commission may, when the installer/operator of radioactive waste management facilities, etc. falls under any case of the following Subparagraphs as a result of the inspection under Paragraph (1), order him to take corrective or supplementary measures:
1. Where he has failed to meet the standards for permit under the
provisions of Article 64, and the technical standards under the provisions of Article 68 (1):
2. Where he has violated the matters prescribed in the documents attached to an application for permit under the provisions of Article 63 (2) and violated the regulation on nuclear material control and accountancy under the provisions of Article 15 applicable mutatis mutandis under the provisions of Article 69.

**Article 66** (Revocation, etc. of Permit for Construction and Operation of radioactive waste management facilities, etc.)

(1) The Commission may, when the installer/operator of radioactive waste management facilities, etc. falls under any case of the following Subparagraphs, revoke the permit or may order the suspension of his business for a fixed period of not more than one year. Provided, however, that the permit shall be revoked when the person falls under either Subparagraph 1 or 4:
1. Where he has obtained the permit by fraud or by any other illegitimate means;
2. Where he has failed to commence the business for which the permit was granted within the period as prescribed by the Presidential Decree, or has suspended the business continuously for not less than one year;
3. Where he has changed any matters subject to the permit under the provisions of the latter part of Article 63 (1) without obtaining the permit of change;
4. Where he falls under any of Subparagraphs 1, 2 and 4 of Article 14 as applied mutatis mutandis under Article 63 (3). Provided, that if an executive officer of a corporation falls under such case and he is replaced within three months, this shall not apply;
5. Where he has failed to meet the standards for the permit as provided in Article 64;
6. Where he has violated the provisions of Article 15 (1) applicable mutatis mutandis under Article 69;
7. Where he has violated orders given under Articles 65 (2), 68 (2), 92 (2) or 98 (1) and (3);
8. Where he has violated Articles 68 (3), 89 (5), 94, 96 or 106 (1);
9. Where he has violated the conditions for the permit as provided in Article 99.

(2) The provisions of Article 17 (2) through (4) shall apply mutatis mutandis to the suspension of business as provided in Paragraph (1).

**Article 67** (Records and Keeping)
The installer/operator of radioactive waste management facilities, etc. shall record matters concerning the storage, processing or disposal of radioactive waste and keep such records at disposal facility, etc. as prescribed by the Ordinance of the Prime Minister.

Article 68 (Obligation to Observe Standards)

(1) The installer/operator of radioactive waste management facilities, etc. shall follow the technical standards provided under the Regulations of the Commission in connection with the following:
   1. Location, structure, equipment and performance of disposal facility, etc.;
   2. Storage, processing, or disposal of radioactive waste.
(2) The Commission may, when the location, structure, equipment and performance of radioactive waste management facilities, etc. and storage, processing or disposal of radioactive waste is deemed to fail to conform to the technical standards referred to in Paragraph (1), order installer/operator of radioactive waste management facilities, etc. to repair, renovate, relocate the facilities concerned, suspend his business, change methods of handling and take other necessary safety measures.
(3) The installer/operator of radioactive waste management facilities, etc. and his employees shall observe the safety control regulation under the provisions of Article 63 (2).

Article 69 (Provisions Applicable Mutatis Mutandis)

The provisions of Articles 10 (3) through (6), 15, 19 and 43 shall apply mutatis mutandis to the installer/operator of radioactive waste management facilities, etc. In this case “the installer of the nuclear power reactor” or “the nuclear fuel cycle enterpriser” shall be deemed as “the installer/operator of radioactive waste management facilities, etc.”.

Article 70 (Restriction on Disposal of Radioactive Waste)

(1) No person shall be allowed to dispose of radioactive waste in the manner of dumping them into the sea.
(2) No person other than the installer/operator of radioactive waste management facilities, etc. shall be allowed to dispose of the kinds and quantity of any radioactive waste prescribed by the Ordinance of the Prime Minister in the manner of burying them shallowly (including burying them in “cave”) or deeply in the ground.
(3) Radioactive waste other than that referred to in Paragraph (2) shall be disposed of in conformity with methods and procedures as prescribed
by the Presidential Decree.
(4) Any person who intends to commission the disposal of radioactive waste under Paragraph (2) to the installer/operator of radioactive waste management facilities, etc. shall transfer such radioactive waste in conformity with the delivery standards prescribed by the Ordinance of the Prime Minister.

**Article 71** (Report on Transport)

(1) Where the installer of the nuclear power reactor, the operator of the nuclear power reactor, the installer of the nuclear research reactor, operator of the nuclear research reactor, the nuclear fuel cycle enterpriser, the nuclear fuel material user, the nuclear source material user, the permitted user, the notified user, the business agent, or the installer/operator of radioactive waste management facilities, etc.(hereinafter referred to as the “nuclear enterpriser”) intends to transport the kinds and quantities of radioactive material, etc. prescribed by the Ordinance of the Prime Minister out of his business place to another place or to import such radioactive materials into his business place from abroad, he shall file a report thereon to the Commission as prescribed by the Presidential Decree.

(2) Any person, who intends to get any ship or any aircraft laden with radioactive material, etc, the quantity of which is prescribed by the Ordinance of the Prime Minister, to enter any port or any airport of the Republic of Korea or to sail through the territorial waters of the Republic of Korea(limited to any ship), shall file a report thereon with the Commission under the conditions as prescribed by the Presidential Decree. The same shall apply to a case where he intends to change the reported matters.

**Article 72** (Technical Standards concerning Package or Transport)

Any transport of radioactive material, etc. by rail, road, ship or aircraft, or domestic or international mail service shall be made in conformity with the technical standards concerning package or transport prescribed by the Regulations of the Commission.

**Article 73** (Exposure Control, etc.)

The nuclear enterpriser shall check whether workers engaged in the transport of radioactive material, etc. are exposed to radiation, and shall conduct the training for safety.
Article 74 (Measures, etc. for Accidents)

(1) A nuclear enterpriser or a person who is entrusted with the transport of radioactive material, etc. by the nuclear enterpriser shall formulate and implement an emergency plan as prescribed by the Ordinance of the Prime Minister in order to prepare for any accident that might arise in the process of transporting or packaging radioactive material, etc.

(2) A nuclear enterpriser or a person who is entrusted with the transport of radioactive material, etc. by the nuclear enterpriser shall take necessary safety measures as prescribed by Presidential Decree in the case of leakage of radioactive material, etc., fire, or other accidents in the process of transporting or packaging radioactive material, etc. and then promptly file a report thereof to the Commission.

Article 75 (Inspection of Package or Transport)

(1) The nuclear enterpriser or a person entrusted by him with the packaging or transport of radioactive material, etc. shall undergo an inspection of the Commission as to whether or not he observes the technical standards under the provisions of Article 72 as prescribed by the Presidential Decree.

(2) The Commission may, when the technical standards under the provisions of Article 72 is found to fall short of being met as a result of the inspection under Paragraph (1), order corrective or supplementary measures.

Article 76 (Approval for Design of Transport Container)

(1) If the nuclear enterpriser intends to manufacture containers for package or transportation of radioactive materials, etc. (hereinafter referred to as “transport container”) of the quantity as prescribed by the Ordinance of the Prime Minister or to import the transport containers manufactured in foreign countries, he shall obtain approval therefor from the Commission in accordance with design criteria as prescribed by the Presidential Decree. The same shall apply to a case where he intends to change the approved matters. Provided, that if he seeks to change minor matters prescribed by the Ordinance of the Prime Minister, he shall file a report thereon to the Commission.

(2) Any person, who intends to obtain the approval referred to in Paragraph (1), shall file to the Commission an application for the approval of manufacturing the transport container, attached with design data of the
transport container, etc., quality assurance program concerning manufacture, safety analysis report and other documents prescribed by the Ordinance of the Prime Minister.

**Article 77 (Inspection)**

(1) The nuclear enterpriser shall undergo an inspection of the Commission with respect to manufactured or imported transport container and other transport container in use for which approval has been obtained under Article 76 (1) as prescribed by the Presidential Decree. Provided, that the same shall not apply to the case where such inspection is exempted as prescribed by the Presidential Decree.

(2) The nuclear enterpriser shall use the transport container which has passed the inspection under Paragraph (1).

**Chapter VII Dosimeter Reading, Etc.**

**Article 78 (Registration of Dosimeter Reading Service Provider)**

(1) A person who intends to render the dosimeter reading service aimed at reading the quantity of radiation exposed to human bodies shall register his service with the Commission.

(2) A person who has registered his service pursuant to Paragraph (1) (hereinafter referred to as a “dosimeter reading service provider”), where he intends to change the registered matters, shall file a report thereon to the Commission.

(3) A person who seeks to register his service pursuant to Paragraph (1) shall file to the Commission an application for such registration, attached with a quality assurance program concerning dosimeter reading and other documents prescribed by the Ordinance of the Prime Minister.

(4) The provisions of Article 14 shall apply mutatis mutandis to a person who seeks to register his service pursuant to Paragraph (1). In this case, the “permit as prescribed in Article 17 was revoked” in Subparagraph 3 of Article 14 shall be deemed “registration is revoked under the provisions of Article 81” and “any executives” in Subparagraph 4 of the same Article shall be deemed “representative”.

**Article 79 (Standards for Registration)**

The standards for registration under the provisions of Article 78 (1) shall
be as follows:
1. Technical capabilities necessary to install and operate reading facilities, as prescribed by the Ordinance of the Prime Minister; shall be available;
2. The contents of quality assurance program under the provisions of Article 78 (3) shall conform to the standards prescribed by the Regulations of the Commission.

Article 80 (Inspection)

(1) The dosimeter reading service provider shall undergo an inspection of the Commission with respect to his dosimeter reading service as prescribed by the Presidential Decree.
(2) The Commission may, when the dosimeter reading service provider is found to fail to meet the registration standards under the provisions of Article 79 as a result of the inspection referred to in Paragraph (1), order him to take corrective or supplementary measures.

Article 81 (Revocation of Registration for Dosimeter Reading Service Provider)

(1) The Commission may, when the dosimeter reading service provider falls under any case of the following Subparagraphs, revoke his registration or order the suspension of his service for a fixed period not exceeding one year. Provided, however, that the registration shall be revoked when the service provider falls under either subparagraph 1 or 5:
   1. Where he has registered his service by fraud or by other illegitimate means;
   2. Where he has failed to commence his registered service within the period prescribed by the Presidential Decree or has suspended his service continuously for not less than one year without any justifiable reasons;
   3. Where he has changed the registered matters without filing a report thereon under the provisions of Article 78 (2);
   4. Where he has failed to meet the standard for registration under the provisions of Article 79;
   5. Where he falls under any of Subparagraphs 1, 2 and 4 of Article 14 which are applicable mutatis mutandis under Article 78 (4). Provided, that the same shall not apply to the case where the representative of a juridical person falling under such Subparagraphs is replaced within three months after the date he is found to fall under such Subparagraphs;
   6. Where he has violated an order issued under Article 80 (2) or 98 (1) and (3).
(2) The provisions of Article 57 (2) through (4) shall apply mutatis mutandis to the case where the dosimeter reading service provider is
ordered to suspend his service under Paragraph (1).

**Article 82 (Recording and Keeping)**

The dosimeter reading service provider shall record matters concerning reading facility and reading service as prescribed by the Ordinance of the Prime Minister and keep such records at each factory and each business place.

**Article 83 (Provisions Applicable Mutatis Mutandis)**

The provisions of Articles 19 and 43 shall apply mutatis mutandis to the dosimeter reading service provider with respect to the business succession or reporting. In this case, the “installer of the nuclear power reactor” or the “nuclear fuel cycle enterpriser” shall be deemed the “dosimeter reading service provider”.

**Chapter VIII  License and Examination**

**Article 84 (License, etc.)**

(1) Any person other than a person who has obtained a license from the Commission as prescribed by the Presidential Decree, or other than a professional engineer of radiation control under the National Technical Qualifications Act shall be prohibited from operating a nuclear reactor and handling nuclear fuel material as well as radioisotope, etc.. Provided, however, that the same shall not apply to the case a person who has undergone education and training under the provisions of Article 106 (1) operates such reactor or handles such material under the direction and supervision of a person who has obtained a license under each Subparagraph of Paragraph (2)(excluding Subparagraph 2) or a professional engineer for radiation control under the National Technical Qualifications Act.

(2) The license under Paragraph (1) shall be classified as follows:
1. A license for the supervisor of nuclear reactor operation;
2. A license for the operator of nuclear reactor;
3. A license for the supervisor of nuclear fuel material handling;
4. A license for the nuclear fuel material handling;
5. A general license for the radioisotope handling;
6. A special license for the radioisotope handling;
7. A license for the supervisor of radiation handling.

**Article 85 (Disqualifications)**
Any person falling under each of the following Subparagraphs shall not be granted a license referred to in Article 84:
1. A person who is under eighteen years of age;
2. A person under adult guardianship or under limited guardianship;
3. A person who has been sentenced to punishment severer than imprisonment without prison labor and for whom two years have not elapsed after the execution of sentence is completed or the non-execution of sentence is finally decided, or who has been granted a stay of execution and is still under such stay of execution;
4. A person for whom two years have not elapsed since the license was revoked under Article 86;
5. Anyone for whom five years has not yet lapsed after the execution of punishment has ended or after the cancellation of the execution was finally determined after a person who is engaged in the construction, remodeling, or repair of nuclear reactors or related facilities or delivery or inspection of supplies or parts of nuclear reactors or related facilities was sentenced to imprisonment or heavier punishment for committing a crime under Article 129, 130, 132 and 133 of the Criminal Act.

Article 86 (Revocation of License, etc.)

(1) The Commission may, when a person who has obtained a license under the provisions of Article 84 falls under any case of the following Subparagraphs, revoke his license or suspend his license for a fixed period of not more than three years. Provided, however, that where he falls under Subparagraph 1 or 2, his license shall be revoked:
1. Where he has obtained a license by fraud or other illegitimate means;
2. Where he falls under Subparagraphs 1 through 3 and 5 of Article 85;
3. Where he has violated the provisions of Article 88 (2);
4. Where he has violated the provisions of Article 106 (2).
(2) The standards for revoking or suspending the license under the provisions of Paragraph (1) shall be prescribed by the Ordinance of the Prime Minister.

Article 87 (Examination for License)

(1) A person who wishes to obtain a license as referred to in Article 84 shall pass the examination for license conducted by the Commission.
(2) The Commission may exempt – from all or part of the license examination under Paragraph (1) as set forth under the Presidential Decree – anyone who has obtained a license falling under any item of
Article 84 (2) or who has obtained an equivalent license in a foreign country but who intends to obtain the license under Paragraph (1) of the same Article.

(3) If a person who applies for the examination for license as referred to in Paragraph (1) has cheated in the examination, the relevant examination shall be null and void for him, and he shall be disqualified for the license examination for three years after the date of application for such examination.

(4) Qualifications for application, subjects and methods of the examination for license as referred to in Paragraph (1), and other necessary matters shall be prescribed by the Presidential Decree.

**Article 88 (License)**

(1) The Commission shall issue a license to a person who has passed the examination for license under the provisions of Article 87 as prescribed by the Ordinance of the Prime Minister.

(2) Any person who has obtained a license under Paragraph (1) shall be prohibited from lending or illegally using his license.

**Chapter IX  Regulation and Supervision**

**Article 89 (Establishment of Exclusion Area)**

(1) When the State installs a reactor and related facilities, nuclear fuel cycle facility, radioactive waste management facilities, etc., it may establish a specific range of an exclusion area for the purpose of protecting human body, material and the general public against radiation damage.

(2) In an exclusion area as referred to in Paragraph (1), the restriction of access or residence of the general public may be ordered.

(3) Necessary matters concerning the scope of the exclusion area as referred to in Paragraph (1), and the restriction of access or residence of the general public under Paragraph (2) shall be prescribed by the Presidential Decree.

(4) Any loss caused by the restriction under Paragraph (2) shall be properly compensated. In this case, matters necessary for the payment of compensation shall be prescribed by the Presidential Decree.

(5) A person other than the State, who wishes to install and operate the nuclear reactor and related facilities, nuclear fuel cycle facility, radioactive waste management facilities, etc., shall secure a specified range of site
under the conditions as prescribed by the Presidential Decree, and set up an exclusion area as referred to in Paragraph (1) to the extent of such range, and shall restrict access or residence of the general public in such exclusion area.

**Article 90 (Restriction on Installation of Dangerous Facility)**

(1) When the head of an administrative agency intends to permit, authorize or approve installation of any facility which is harmful to nuclear reactor and related facilities, nuclear fuel cycle facility, or radioactive waste management facilities, etc. under construction or in operation with permit obtained under the provisions of Article 10, 20, 35, or 63 within the limit of what is prescribed by the Presidential Decree from a plot of such facilities, he shall consult with the Commission.

(2) Facility whose installation is subject to consultations between the head of an administrative agency and the Commission under Paragraph (1) shall be prescribed by the Presidential Decree.

**Article 91 (Measure to Prevent Radiation Damage)**

(1) The nuclear enterpriser shall take measures falling under each of the following Subparagraphs to prevent radiation damage in accordance with the Presidential Decree:

1. Measurement of radiation dose and radioactive contamination;
2. Medical checkup;
3. Control of exposure;
4. Measures necessary to maintain the quantity of emissions of radioactive material and the quantity of radiation exposure as low as reasonably achievable.

(2) The nuclear enterpriser shall take measures necessary to keep the radiation dose exposed to workers and other persons with frequent access prescribed by the Presidential Decree under the dose limit prescribed by the Presidential Decree.

(3) The nuclear enterpriser shall take necessary measures for health such as restrictions on access to nuclear power utilization facility, for any person suffering from radiation damage or suspected to suffer from such radiation damage.

**Article 92 (Measure to Prevent Radiation Damage and Report thereon)**

(1) In the case falling under any of the following Subparagraphs, the nuclear enterpriser shall take safety measure as prescribed by the Presidential Decree, and file a report thereon without delay to the Commission:
1. Where danger occurs or may occur in nuclear power utilization facility or radioactive material, etc. due to earthquake, fire or other disasters;
2. Where failure occurs in nuclear power utilization facility;
3. Where radiation damage occurs.
(2) If the Commission has received a report as referred to in Paragraph (1), he may order the nuclear enterpriser to suspend use of nuclear power utilization facility, to transfer radioactive material, to decontaminate or to take other measures necessary for the prevention of radiation damage.

Article 92-2 (Periodic renewal of decommissioning plans)

The operators of nuclear power reactors or research reactors, or of nuclear fuel cycle services shall periodically renew and report their decommissioning plans of the said facilities to the Commission as provided under the Ordinance of the Prime Minister.

Article 93 (Expropriation and Transfer of Nuclear Fuel Material, etc.)

(1) The Government may, under the conditions separately prescribed by the law, expropriate the right for the relevant nuclear material or radioisotope, etc. from the manufacturer, possessor or manager of nuclear material or radioisotope, etc. or may order them to transfer the right to a person designated by the Commission.
(2) Where the right has been expropriated or transferred under Paragraph (1), the Government shall make proper compensation therefor.

Article 94 (Restrictions on Possession, Transfer and Takeover of Radioactive Material, etc. or Radiation Generating Device)

Except the case falling under any of the following Subparagraphs, any possession, transfer and takeover of radioactive material, etc. or radiation generating device shall be prohibited. Provided, that the same shall not apply to the case where the State transfers or acquires nuclear material or where such nuclear material is acquired from the State under an international commitment:
1. Where the nuclear enterpriser acquires or possesses radioactive material, etc. or radiation generating device within the limits of what is permitted, designated or reported, and transfers such materials or device to other nuclear enterpriser under the provisions of this Act:
2. Where the nuclear enterpriser possesses or transfers radioactive material, etc. or radiation generating device in his possession to other nuclear enterpriser as prescribed by the Ordinance of the Prime Minister at the
time when his permit or designation is revoked or his use is prohibited under the provisions of Articles 17, 24, 32, 38, 48, 57 and 66:
3. Where the nuclear enterpriser transfers radioactive material, etc. or radiation generating device in his possession to other nuclear enterprisers as prescribed by the Ordinance of the Prime Minister at the time when he discontinues his business or operation:
4. Where a person, who has been entrusted with transport of radioactive materials, etc. or radiation generating device by the nuclear enterpriser, is in possession of such radioactive materials, etc. or radiation generating device:
5. Where an employee of the nuclear enterpriser is in possession of radioactive materials, etc. or radiation generating device for the performance of his duty:
6. Where an inheritor of the nuclear enterpriser is in possession of radioactive material, etc. or radiation generating device upon the death of the latter. Provided, however, that the same shall not apply to the case where the relevant inheritor falls under any of Subparagraphs 1 through 3 of Article 14.

**Article 95** (Measures following Revocation of Permit, etc. or Discontinuation, etc. of Business)

(1) The nuclear enterpriser, whose permit or designation has been revoked (including the prohibition of use), or who has discontinued his business or the use under this Act, shall take measures necessary for transfer, conservation, discharge, storage, treatment, disposal, decontamination, record–transfer of radioactive materials, etc. or radiation generating devices or other measures for protection against radiation damage as prescribed by the Presidential Decree, and file a report thereon to the Commission within thirty days from the date on which such measures are taken.
(2) If the nuclear enterpriser fails to take the measures referred to in Paragraph (1), or it is deemed necessary to protect local residents or peripheral environment from radioactive materials etc. or radiation generating devices, the Commission may take necessary measures, such as removal of radioactive materials, etc. or radiation generating devices, and decommissioning of any contaminated facility, etc.
(3) The Commission may have a nuclear enterpriser bear the expenses for the measures as referred to in Paragraph (2).

**Article 96** (Restriction on Handling of Facility for Nuclear Power Utilization)

A person who is under eighteen years of age, shall not be allowed to
handle facility for utilization of nuclear power or radioactive material, etc. Provided, however, that the same shall not apply to the case where such person handles such facility or radioactive material for the purpose of education and training, etc. as recognized by the Commission.

Article 97 (Report of Theft, etc.)

In case that the nuclear enterpriser suffers from theft, loss, fire or other accidents in connection with radiation generating device or radioactive material, etc. in his possession, he shall file a report thereon to the Commission without delay.

Article 98 (Report/Inspection, etc.)

(1) If it is deemed necessary for the enforcement of this Act, the Commission may order any nuclear enterpriser, any dosimeter reading service provider, any enterpriser participating in the construction or operation of nuclear reactor and related facilities and any person, prescribed by the Presidential Decree, who deals in internationally controlled materials or who is engaged in the related research, to submit a report or documents on their business, or to complement the submitted documents.

(2) The Commission may have any public official under his control enter the relevant business place, factory, ship, research facility or site, etc., inspect books, documents, facility, and other necessary things, or ask any questions to the persons concerned, and collect a minimum quantity of samples necessary for a test, if it is necessary to confirm on the spot the contents reported or documents submitted under Paragraph (1) and it is deemed specifically necessary for the safety of facility for the utilization of nuclear power, or if it is necessary to conduct various inspections as prescribed by this Act.

(3) If the Commission finds as a result of the inspection, etc. conducted under Paragraph (2) that there are matters contrary to this Act or the international commitment, he may order corrective or complementary measures.

(4) Persons who are designated by the International Atomic Energy Agency or by the government of a country that has supplied internationally controlled materials in accordance with an international commitment may enter the business place, factory, research facility and sites, etc. of any person who deals in internationally controlled materials or who is engaged in the related research within the scope of what is prescribed by the international commitment to inspect books, documents, facilities and other
necessary goods, to ask questions to persons concerned or to collect a necessary minimum quantity of samples under the supervision of public officials designated by the Commission.

(5) A person, who is designated by the International Nuclear Energy Agency, may install any facility to monitor any movement of internationally controlled material or attach the seal thereto within the limit as determined by the international commitment, under the supervision of public officials designated by the Commission.

(6) The Commission may take any measures necessary for confirming any movement of, or managing any information on, the internationally controlled material, under the conditions as prescribed by the Presidential Decree.

(7) A person who performs his duty to conduct any inspection, or to monitor and confirm any movement of the internationally controlled material, under Paragraphs (2) and (4) through (6), shall produce a certificate indicating his powers to the persons concerned.

Chapter X Supplementary Provisions

Article 99 (Conditions for Permit or Designation)

(1) Conditions necessary for securing safety may be added to the permit or designation as prescribed by this Act.

(2) Conditions as referred to in Paragraph (1) shall be the minimum for the enforcement of this Act, and shall not impose unreasonable obligations upon a person who has obtained the permit or designation.

Article 100 (Approval of Topical Report)

(1) If a person, who wishes to construct or operate, or who participates in, a nuclear reactor and related facilities, applies for an approval of a topical report as prescribed by the Ordinance of the Prime Minister, the Commission may approve it.

(2) Items that have already been approved pursuant to Paragraph (1) may not be indicated, among the items that need to be indicated on the documents for requesting for permit under Articles 10 (2), 20 (2), 30 (2) and 30–2 (2).

Article 101 (Hearing)

In case that the Commission intends to dispose of any of the following Subparagraphs, he shall hold a hearing:
1. Cancellation of the permit or registration under the provisions of Articles 17 (1), 24 (1), 32, 48, 57 (1), 66 (1), or 81;
2. Cancellation of the permit or designation under the provisions of Article 38 (1);
3. Cancellation of license under the provisions of Article 86.

**Article 102** (Protection of Employee)

The nuclear enterpriser or the dosimeter reading service provider shall not lay off his employee or disadvantage him on the grounds that they have performed an act falling under any of the following Subparagraphs:

1. An act of complying with technical specifications under Articles 20 (2) or 30–2 (2), the safety control regulations under Articles 35 (3), 45 (2), 53 (3), or 63 (2), and the quality assurance program with respect to dosimeter reading under Article 78 (3);
2. In a case that the nuclear enterpriser or the dosimeter reading service provider violates or is feared to violate the technical specifications, safety control regulations and quality assurance program for the dosimeter reading service as referred to in Subparagraph 1, an act of informing this to the Commission or the head of the agency to whom the Commission delegates or entrusts his authority;
3. An act of giving testimony or producing evidence to comply with any inspection or investigation as referred to in Articles 16 (including a case where it applies mutatis mutandis under Article 34), 22 (including a case where it applies mutatis mutandis under Article 34), 37, 47, 56, 61, 65, 77, 80 and 98;
4. Acts of services performed by radiation safety officers under subparagraphs 1 through 4 of Article 53–2 (1), actions or recommendations by radiation safety officers on radiation safety management under of the Article 53–2 (5), or acts of requesting for actions or assistance as required for safety management under Article 59–2 (7).

**Article 103** (Gathering of Residents' Opinion)

(1) Anyone who falls under any of the following ("applicant" hereinafter under this Article) shall, when he compiles a radiation environmental report under the provisions of Articles 10 (2), (5), 20 (2) or 63 (2), make the draft radiation environmental report under paragraph (3) accessible to the public or hold public hearings, for the purpose of collecting opinions of residents within the scope prescribed by the Commission in order to incorporate such opinions into such report. In this case, if there is a demand
for a public hearing from the head of the local government in jurisdiction of the region where residents’ opinion have to be collected or from the residents within the scope prescribed by the Presidential Decree, such public hearing shall be held.

1. Anyone who desires to obtain a permit or approval pursuant to Article 10 (1) or (3);  
2. Anyone who desires to obtain a change license under the latter part of Article 20 (1) to continue operation of a nuclear power reactor after design life of such facilities has expired;  
3. Anyone who desires to obtain a permit for the construction-operation of facilities for the disposal of radioactive waste or for the storage of spent nuclear fuel pursuant to Article 63 (1).

(2) Anyone who intends to obtain approval under Article 28 (1) shall make the draft decommissioning plan under paragraph (3) accessible to the public or hold public hearings, when he prepares a decommissioning plan under Article 28 (2) for the purpose of collecting opinions of residents within the scope prescribed by the Commission in order to incorporate such opinions into such a decommissioning plan. In this case, if there is a demand for a public hearing from the head of the local government in jurisdiction of the region where opinion of the resident have to be collected or from the residents within the scope prescribed by the Presidential Decree, such public hearing shall be held.

(3) The applicant or any person who intends to obtain approval under Article 28 (1) shall prepare a draft radiation environmental report or a draft a decommissioning plan in advance as provided under Ordinance of Prime Minister to collect the residents’ opinions pursuant to paragraph (1) or (2).

(4) The Presidential Decree shall determine the method, procedure or other necessary matters for collection of the residents’ opinion pursuant to paragraph (1), (2) and (3).

(5) The applicant or any person who intends to obtain approval under Article 28 (1) shall bear the expenses incurred for the collection of the residents’ opinion pursuant to paragraph (1) and (2) as provided under the Presidential Decree.

**Article 103-2 (Obligation to Disclose Information)**

(1) The Commission shall fully disclose information prescribed by the Presidential Decree, such as the results of evaluation concerning construction permits for and operating licenses of nuclear energy utilization facilities and the findings of an inspection of nuclear safety management to secure public safety: Provided, however, that the Commission may not disclose the
information where the disclosure is likely to prejudice significant national interests substantially.

(2) The methods and procedures for disclosing information as provided in paragraph (1) and other necessary matters shall be prescribed by the Presidential Decree.

Article 104 (Preservation of Environment)

(1) The installer or operator of facility falling under any of the following Subparagraphs shall conduct the survey of radiation environment and the evaluation of the impact of radiation on environment and file a report thereon to the Commission under the conditions as prescribed by the Ordinance of the Prime Minister:

1. Nuclear power reactor;
2. Nuclear research reactor capable of generating thermal power of not less than 100kw;
3. Nuclear fuel cycle facility;
4. Interim storage facility for spent nuclear fuel;
5. Radioactive wastes disposal facility.

(2) The Commission, when he deems it necessary to confirm the results of the survey of radiation environment and the evaluation of the impact of radiation on environment referred to in Paragraph (1), may survey radiation environment.

(3) The Commission may, when he recognizes that it is feared to have an adverse impact on nearby environment as a result of the report under Paragraph (1) or the survey under Paragraph (2), order the installer or operator of the facility under Paragraph (1) to take measures necessary for the preservation of environment.

Article 105 (Monitoring of Nationwide Radioactive Environment)

(1) The Commission shall conduct nationwide monitoring of the impact of radiation and radioactivity on environment as prescribed by the Presidential Decree to detect any radioactive emergency situation at home and abroad at the early stage with the aim of protecting the public health from radiation and preserving environment.

(2) The Commission may establish and operate central and local radioactivity monitoring stations to carry out systematically the monitoring referred to in Paragraph (1).

(3) Matters necessary for the establishment and operation of the radioactivity monitoring stations referred to in Paragraph (2) shall be prescribed by the Ordinance of the Prime Minister.
Article 106 (Education and Training)

(1) The nuclear enterpriser shall, for the purpose of ensuring safety and preventing radiation damages which could arise from the utilization of nuclear power, conduct education and training for employee engaged in radiation handling and other persons with access to the radiation control area in accordance with the Presidential Decree.
(2) Any person who has obtained a license under the provisions of Article 84 shall receive the refresher education and training conducted by the Commission as prescribed by the Presidential Decree.
(3) Institutions conducting research related to nuclear energy along with a nuclear energy–related business operators shall have the persons designated by Presidential Decree to receive education on nuclear energy control provided by the Commission as prescribed by Ordinance of the Prime Minister.

Article 107 (Procedure for Import or Export)

Procedure for import or export of reactor and related facilities, nuclear material and radioisotope, etc. shall be determined by the Commission in consultations with the Minister of Trade, Industry and Energy.

Article 107–2 (International cooperation)

(1) The Commission may prepare and enforce policies to promote international cooperation with international organizations, foreign governments, or other agencies to promote nuclear safety or security.
(2) The Government may designate an agency that will provide expert support to enforce efficiently its policies concerning international cooperation under Paragraph (1) and may invest in or subsidize all or part of the necessary expenses for such support activities.
(3) The Presidential Decree shall set forth the matters required for promoting international cooperation, including designating and supporting an expert agency pursuant to Paragraph (2).

Article 108 (Prohibition of Disclosure of Secret)

Any member of the Commission and the Specialized Commission under Article 15 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission or a public official who engages or has engaged in the duties as prescribed in this Act shall not disclose nuclear secret which he has learned in the course of performing his duties or shall
not use such secrets for other purposes than the enforcement of this Act.

**Article 109** (Allowances for Public Officials Engaging in Nuclear Safety)

Public officials engaging in nuclear safety control incidental thereto may receive a research allowance, a danger allowance, a work allowance or a health allowance under the conditions as prescribed by the Presidential Decree, in addition to salary and other allowances as prescribed in the State Public Official Act.

**Article 110** (Compensation)

A person who has suffered damage to his body or properties from radiation by nuclear utilization and safety control incidental thereto shall be entitled to adequate compensation under the conditions as prescribed by the Presidential Decree.

**Article 110-2** (Payment of monetary reward)

(1) The Commission may pay monetary reward, within its budget, to those who contributed to nuclear safety by reporting or informing the Commission of any act violating this Act or submitting evidences thereof.
(2) The Presidential Decree shall set forth matters necessary for the criteria and procedure for the payment of reward under Paragraph (1).

**Article 110-3** (Abatement of accountability or responsibility)

(1) The punishment may be abated or exempted for a person whose crime has been discovered after he reports to or informs the Commission of any violation of this Act.
(2) Paragraph (1) shall apply mutatis mutandis to the disciplinary actions taken by a government agency.
(3) When any act of violating this Act is reported by a person, he/she shall be deemed not to have violated his/her duty to keep job-related secrets, notwithstanding other statutes, collective agreement, or employment rules.

**Article 111** (Delegation of Authority)

(1) The Commission may entrust its authority as provided in this Act over the following duties to the institution established under Article 5 (2), KINAC, the Safety Foundation and other relevant specialized or administrative agencies, as prescribed by the Presidential Decree:
1. Safety review related to authorization, permit and designation under the provisions of the former and later parts of Article 10 (1), the former and latter parts of Article 12 (1), the former and latter parts of Article 20 (1), the former and latter parts of Article 30 (1), the former and latter parts of Article 35 (1), the former part of Article 35 (2), the former and latter parts of Article 45 (1), the former and latter parts of Article 53 (1), and the former and latter parts of Article 63 (1);

2. Safety review related to approval under the provisions of Article 10 (3) (including the case where it applies mutatis mutandis under Article 69), the former and latter parts of Article 15 (1) (including the case where it applies mutatis mutandis under Articles 29, 34, 44, 51 and 69), the former and latter parts of Article 28 (1) (including the case where it applies mutatis mutandis under Article 34), the latter part of Article 35 (2), the former and latter parts of Article 42 (1), the former and latter parts of Article 60 (1), the former and latter parts of Article 76 (1), and Article 100 (1);

3. Research and development of standards (including technical standards) under the provisions of Subparagraphs 2 and 4 of Article 11 (including the case where it applies mutatis mutandis under Article 30 (3)), Subparagraphs 2 and 4 of Article 21 (including the case where it applies mutatis mutandis under Article 30-2 (3)), Subparagraph 3 of Article 36, Subparagraph 3 of Article 46, Article 50 (1), Article 52 (2), Subparagraphs 1 and 3 of Article 55 (1), Article 59 (1), Subparagraph 2 of Article 64, Article 68 (1), Article 72, and Subparagraph 2 of Article 79;

4. Inspection, confirmation and check-up under the provisions of Article 16 (1) (including the case where it applies mutatis mutandis under Article 34), Article 22 (1) (including the case where it applies mutatis mutandis under Article 34), the latter part of Article 28 (3) and 28 (6) (including the case where it applies mutatis mutandis under Articles 34 and 44), Article 37 (1), Article 47 (1), the main sentence of Article 56 (1), the main sentence of Article 61 (1), Article 65 (1), Article 75 (1), the main sentence of Article 77 (1), and Article 80 (1);

5. License examination under the provisions of Article 87;

6. Management of information on internationally controlled material under the provisions of Article 98 (6);

7. Management of records and reports on exposure to radiation worker, which are read by a dosimeter reading service provider under Articles 82 and 98 (1);

8. Receipt of reports under the provisions of the proviso to Article 10 (1), the proviso to Article 15 (1) (including a case where it applies mutatis mutandis under Articles 29, 34, 44, 51 and 69), Article
15–2 (including cases wherein the same is applied mutatis mutandis under Article 29 and 34), the proviso to Article 20 (1), the proviso to Article 28 (1) (including the case where it applies mutatis mutandis under Article 34), the proviso to Article 30 (1), proviso to Article 30–2 (1), Article 33, the proviso to Article 35 (1), the proviso to Article 35 (2), the proviso to Article 42 (1), Article 43 (including the case where it applies mutatis mutandis under Articles 51, 62, 69 and 83), the proviso to Article 45 (1), Article 52 (1), the proviso to Article 53 (1), Article 53 (2), Article 53–2 (1) and Article 53–2 (3), Article 54 (2), the proviso to Article 60 (1), the proviso to Article 63 (1), Article 71, the proviso to Article 76 (1), Article 78 (2), and Article 95 (1):

9. Conduct of refresher education and training under the provisions of Article 106 (2) and education and training for nuclear control under the provisions of Article 106 (3)

10. Affairs related to delivery of a license under the provisions of Article 88 (1), expropriation and transfer of nuclear material, etc. under the provisions of Article 93, reporting under the provisions of Articles 98 (1) and 104 (1), and export and import under the provisions of Article 107:

11. Request for furnishing and supplementing documents under the provisions of Article 98 (1), which are required to carry out the entrusted business under the provisions of Subparagraphs 1 through 8:

12. Safety review in relation to registration under the provisions of Articles 54 (1) and 78 (1);

13. Survey of radiation environment under the provisions of Article 104 (2), and the monitoring and evaluation of the impact of radiation and radioactivity on environment under the provisions of Article 105 (1);

14. Safety review in connection with the periodic safety review as prescribed in Article 23 (1) (including cases wherein the same is applied mutatis mutandis under Article 34 (1));

15. Other affairs prescribed by the Presidential Decree.

(2) The Commission may, if it is deemed necessary, subsidize institutions entrusted with authority under Paragraph (1).

(3) Deleted.

(4) Deleted.

(5) The head of the institution entrusted with the authority under Paragraph (1), shall determine the guidelines for performing entrusted duties for an efficient exercise of entrusted authority, under the conditions as prescribed by the Presidential Decree, and obtain the approval of the Commission. The same shall also apply in a case where he intends to change this.
(6) Deleted.

**Article 111-2 (Dues for Nuclear Safety Management etc.)**

(1) The Commission may impose dues for nuclear safety management (hereinafter referred to as “dues”) and collect them from an applicant for any permit, designation, approval, registration, or education or training pursuant to this Act, nuclear energy–related business operators or dosimeter reading service providers (hereinafter referred to as “nuclear energy–related business operators”) for its smooth performance of the duties provided under Items of Article 111 (1).

(2) The amount and standards for calculation of the dues shall be prescribed by the Presidential Decree after taking into account the demand for nuclear safety management caused by the nuclear energy–related business operators and the demand for the protection of the related facilities and the prevention of radioactivity.

(3) The methods and time of payment of the dues and other necessary matters shall be prescribed by the Presidential Decree.

(4) The Commission shall consult with the heads of the related central administrative agencies to revise any necessary matters related to the amount, calculation standards for, methods or time of payment of the dues.

**Article 111-3 (Compulsory Collection)**

(1) Where any nuclear energy–related business operator fails to pay the dues by the due date, the Commission shall urge the payment of such dues within seven days after the lapse of the due date.

(2) Where any dues or amounts in arrears are not paid by the due date, a late–payment penalty shall be collected by applying mutatis mutandis Article 47–4 of the Framework Act on National Taxes. <Amended on Aug. 27, 2019>

(3) A payment period of between 10 and 60 days shall be specified in a reminder notice issued under paragraph (1).

(4) Where a person in receipt of a reminder notice issued under paragraph (1) fails to pay the dues and late–payment penalty provided in paragraph (2) within the specified due date, the Commission may collect such dues and late–payment penalty in the same manner as delinquent national taxes are collected.

[This Article Newly Inserted on Jun. 22, 2015]

**Article 111-4 (Financial Resources and Purposes of Nuclear Safety Regulation Account of Nuclear Energy Fund)**
(1) The financial resources of the nuclear safety regulation account as provided in Article 17 (2) of the Nuclear Energy Promotion Act shall be as follows:
1. Dues as provided in Article 111-2 (1) and late-payment penalties as provided in Article 111-3 (2);
2. Expenses collected under Article 45 (2) of the Act on Measures for the Protection of Nuclear Facilities, etc. and the Prevention of Radiation Disasters;
3. Penalty surcharges and administrative fines collected under this Act and the Act on Measures for the Protection of Nuclear Facilities, etc. and the Prevention of Radiation Disasters;
4. Indemnity rates as provided in Article 7 of the Act on Indemnity Agreements for Nuclear Damage Compensation;
5. Contributions from the Government;
6. Contributions and donations from persons or entities other than the Government;
7. Funds transferred from general accounts;
8. Revenues generated by managing the nuclear safety regulation account;
9. Deposits received from the public capital management fund established under the Public Capital Management Fund Act;
10. Loans as provided in Article 17 (3) of the Nuclear Energy Promotion Act;
11. Other revenues provided under the Presidential Decree.

(2) The nuclear safety regulation account shall be used for any of the following purposes:
1. Safety management of nuclear energy utilization facilities;
2. Safety management for the prevention of damage caused by radiation and radioactive materials;
3. Nuclear energy control;
4. Protection of nuclear energy utilization facilities and prevention of radioactivity;
5. Installation and operation of facilities, tools, materials, equipment, and information systems necessary for the purposes provided in Subparagraphs 1 through 4;
6. Research and development on nuclear safety to develop the standards, procedures, guidelines, etc. necessary for the purposes provided in Subparagraphs 1 through 4;
7. Education and training of personnel pertaining to Subparagraphs 1 through 4;
8. International cooperation pertaining to Subparagraphs 1 through 4;
9. Compensation as provided in Article 9 of the Nuclear Damage Compensation
Act:
10. Basic expenses necessary for the operation of institutions specializing in nuclear safety and security as provided in Article 5 and KINAC as provided in Article 6;
11. Deposits received from the public capital management fund established under the Public Capital Management Fund Act and the repayment of the principal of and interest on loans as provided in Article 17 (3) of the Nuclear Energy Promotion Act;
12. Other services related to the safety management of nuclear energy utilization facilities prescribed by the Presidential Decree, safety management to prevent damages caused by radiation and radioactive materials, nuclear control, protection of nuclear facilities etc., and prevention of radioactivity.
(3) The Commission may provide a grant or subsidy to any institution or organization that carries out any of the activities provided in the Items of paragraph (2) to reimburse expenses incurred.

Article 112 (Fees)

A person, who intends to apply for permit, designation, approval, license, registration or inspection under this Act, shall pay the fees as prescribed by the Ordinance of the Prime Minister. Provided, however, that the Commission may exempt the payments of such fees for the State, local governments, schools established under the Elementary and Secondary Education Act, the Higher Education Act and other laws and for other institutions as prescribed by the Presidential Decree to which the Government pays contributions under this Act or other acts.

Chapter XI Penal Provisions

Article 113 (Penal Provisions)

(1) A person, who has destroyed a nuclear reactor and damaged human life, body or property, or disturbed public safety, shall be punished by a death, penal servitude for life or penal servitude for a term of not less than three years.
(2) A person, who has committed a crime as referred to in Paragraph (1) in time of war, natural disaster, or a state of emergency equivalent thereto shall be punished by a death or penal servitude for life.
(3) Attempts to commit the crimes specified in Paragraphs (1) and (2) shall
(4) A person, who has prepared, conspired or agitated with intent to commit crimes specified in Paragraph (1) or (2) shall be punished by a penal servitude for a term of not less than three years.

**Article 114** (Penal Provisions)

(1) A person, who has improperly manipulated radioactive material, etc., a nuclear reactor and related facilities, nuclear fuel cycle facility or radiation generating device and caused danger to human life or body, shall be punished by penal servitude for a term of not less than one year but not more than ten years.

(2) A person, who has caused another's death by committing the crime specified in Paragraph (1), shall be punished by penal servitude for a limited term of not less than three years.

**Article 115** (Penal Provisions)

A person, who has violated the provisions of Article 108, shall be punished by penal servitude for a term of not more than ten years.

**Article 116** (Penal Provisions)

A person falling under any of the following Subparagraphs, shall be punished by penal servitude for not more than three years or a fine not exceeding thirty million Won, or both:

1. A person who has committed an act, such as use, possession, operation of business, etc. as prescribed in each relevant Article without permit, registration or designation, in violation of the provisions of the former part of Article 10 (1), the former part of Article 20 (1), the former part of Article 30 (1), the former part of Article 30–2 (1), the former part of Article 35 (1), the former part of Article 35 (2), the former part of Article 45 (1), the former part of Article 53 (1), Article 54 (1), the former part of Article 63 (1), or Article 78 (1);

2. A person who has violated orders issued under Articles 27(including the case where it applies mutatis mutandis under Article 34), 41, 50 (2), 68 (2) or 92 (2);

3. A person who has continued his business or affairs in violation of orders to suspend such business or affairs under the provisions of Article 17 (1), 24 (1), 32, 38 (1), 48, 57 (1), 59–2 (3), 66 (1) or 81 (1).
Article 117 (Penal Provisions)

A person falling under any of the following Subparagraphs shall be punished by penal servitude for not more than one year or a fine not exceeding ten million Won, or both:
1. A person who has changed permitted matters or designated matters without obtaining permit or designation for such change in violation of the provisions of the latter part of Article 10 (1), the latter part of Article 20 (1), the latter part of Article 30 (1), the latter part of Article 30–2 (1), the latter part of Article 35 (1) the latter part of Article 35 (2), the latter part of Article 45 (1), the latter part of Article 53 (1), or the latter part of Article 63 (1);
2. A person who has failed to obtain approval in violation of the provisions of Article 10 (4) (including the case where it applies mutatis mutandis under Article 69), the former part of Article 15 (1)(including the case where it applies mutatis mutandis under Articles 29, 34, 44, 51 and 69), the former part of Article 28 (1)(including the case where it applies mutatis mutandis under Article 34), the former part of Article 42 (1), the former part of Article 60 (1), the former part of Article 76 (1) or the former part of Article 111 (5);
3. A person who has not undergone an inspection on matters to be inspected in violation of the provisions of Articles 16 (1)(including a case where it applies mutatis mutandis under Article 34), 22 (1) (including the case where it applies mutatis mutandis under Article 34), 37 (1), 47 (1), 56 (1), 65 (1), 75 (1), 77 (1) or 80 (1) or who has rejected, hindered or evaded an inspection, or made a false statement under the provisions of Article 98 (2) and (4);
4. A person who has entered or resided in an exclusion area in violation of the restriction order issued under Article 89 (2), or has violated the provisions of Paragraph (5) of the same Article;
5. A person who has violated orders issued under the provisions of Articles 31 (3), 52 (3), 59 (2), 59–2 (2) or 98 (1) and (3);
6. A person who has violated the provisions of Articles 70 (1) and (2), 77 (2), the main sentence of Article 84 (1), Articles 94, 96 or 97;
7. A person who has failed to report or made a false report in violation of Articles 15–3(including cases wherein this provision is applied mutatis mutandis under Article 29 or 34), 15–4 (2), 74 (2), 92 (1), 92–2, 98 (1) or 104 (1);

Article 118 (Penal Provisions)

A person falling under any of the following Subparagraphs shall be
punished by a fine not exceeding thirty million Won:
1. A person who has violated orders issued under the provisions of Articles 15–4 (3), 16 (2)(including the case where it applies mutatis mutandis under Article 34), 22 (2)(including the case where it applies mutatis mutandis under Article 34), 23 (2)(including cases wherein this provision is applied mutatis mutandis under Article 34 (1)), 28 (7)(including the case where it applies mutatis mutandis under Article 34 and 44), 37 (2), 47 (2), 56 (2), 65 (2), 75 (2) or 104 (3);
2. A person who has violated the provisions of Articles 23 (1)(including cases wherein this provision is applied mutatis mutandis under Article 34 (1)), 26(including the case where it applies mutatis mutandis under Article 34), 40 (1), 88 (2) or 102;
3. A person who has changed approved matters without obtaining approval for such change in violation of the provisions of the latter part of Article 15 (1)(including the case where it applies mutatis mutandis under Articles 29, 34, 44, 51 and 69) or the latter part of Article 28 (1)(including the case where it applies mutatis mutandis under Article 34);
4. A person who has violated the conditions for permit or designation under the provisions of Article 99 (1);
5. A person who has failed to make a report or has made a false report in violation of Article 59–2 (6).

Article 119 (Fine for Negligence)

(1) A person falling under any of the following Subparagraphs shall be punished by a fine for negligence not exceeding 30 million Won:  
<Amended on May 21, 2014>
1. A person who has failed to file a report or has filed a false report in violation of the provisions of the proviso to Article 10 (1), the proviso to Article 15 (1)(including a case where it applies mutatis mutandis under Articles 29, 34, 44, 51 and 69), Article 15–2(including cases wherein the same provisions are applied mutatis mutandis under Article 29 and 34), Article 19 (3)(including cases wherein the same provisions are applied mutatis mutandis under Article 29, 34, 44, 51, 62, 69 and 83), the proviso to Article 20 (1), the proviso to Article 28 (1)(including a case where it applies mutatis mutandis under Articles 34), the proviso to Article 30 (1), the proviso to Article 30–2 (1), Article 31 (1), Article 33, the proviso to Article 35 (1) and the proviso to Article 35 (2), the proviso to Article 42 (1), Article 43(including a case where it applies mutatis mutandis under Articles 51, 62, 69 and 83), the proviso to Article 45 (1), Article 52 (1), the
proviso to Article 53 (1) and Article 53 (2), Article 53–2 (1) and (3), Article 54 (2), the proviso to Article 60 (1), the proviso to Article 63 (1), Article 71, the proviso to Article 76 (1), Article 78 (2), or Article 95 (1);

2. A person who has violated the provisions of Article 40 (2), 50 (1) and (3), 52 (2), 53–2 (4) and (5), 59 (1) and (3), 59–2 (7), 61, 68 (1) and (3), 70 (3) and (4), 72, 73, 74(1), 91 or 106 (1);

3. A person who has failed to make records or made false records in violation of the provisions of Articles 18 (including the case where it applies mutatis mutandis under Article 34), 25 (including the case where it applies mutatis mutandis under Article 34), 39, 49, 52 (4), 58, 67, or 82;

4. A person who has violated orders issued under the provisions of Article 80 (2); and

5. A person who has changed approved matters without obtaining approval for such change in violation of the latter part of Article 28 (1) (including a case where it applies mutatis mutandis under Article 34), the latter part of Article 42 (1), the latter part of Article 60 (1), the latter part of Article 76 (1), or the latter part of Article 111 (5).

6. A person who has forged or tampered with a document related to performance verification under Article 15–2:

7. A person who has not designated an agent in violation of Article 53–2 (6);

8. A person who did not carry out education and training in violation of Article 106 (3).

(2) The Fine for Negligence under Paragraph (1) shall be imposed and collected by the Commission as set forth under the Presidential Decree.

(3) Deleted.

**Article 120** (Joint Penal Provisions)

(1) In a case where a representative of a juridical person, an agent, an employee or any other person of a juridical person or individual has, with regard to the business of such juridical person or such individual, committed an act in violation of Articles 113 through 115, the juridical person or individual shall be punished by a fine not exceeding one hundred million Won, in addition to the punishment of the offender. Provided, that the same shall not apply to the case where a juridical person or individual makes sufficient attention and supervision for the related business to prevent an act in violation.

(2) In a case where a representative of a juridical person, an agent, an employee or any other person of a juridical person or individual has, with
regard to the business of such juridical person or such individual, committed an act in violation of Articles 116 through 118, the juridical person or individual shall be punished by a fine as referred to in each relevant Article, in addition to the punishment of the offender. Provided, that the same shall not apply to the case where a juridical person or individual makes sufficient attention and supervision for the related business to prevent an act in violation.

**Article 121** (Legal Fiction as government employees in applying penal provisions)

Anyone falling under any of the following shall be regarded as a government employee in applying the penal provisions under the Criminal Act or other statutes:
1. Those who conduct performance verification service at a performance verifying agency;
2. Those who engage in performance verification controlling service at a performance verification control agency;
3. Officers or employees of an agency that performs the services delegated under Article 111 or other related expert agencies.
ADDENDA <Act No. 10911, Jul. 25, 2011>

Article 1 (Enforcement Date)

This Act shall enter into force three months after the date of its promulgation.

Article 2 (Transitional Measures concerning Previous Dispositions, etc.)

Any disposition, procedure or other actions concerning nuclear energy safety taken in accordance with the former Atomic Energy Act at the time this Act enters into force shall be deemed taken in accordance with this Act.

Article 3 (Transitional Measures concerning Penal Provisions)

The application of penal provisions against any action taken before this Act enters into force shall be governed by the former Atomic Energy Act.

Article 4 (Revision of other Acts) Omitted.

Article 5 (Relationship to other Acts)

A citation of the Atomic Energy Act or a provision thereof by any other Act at the time this Act enters into force shall be deemed a citation of this Act or the corresponding provision of this Act, if such corresponding provision exists within this Act.

ADDENDA <Act No. 11715, Mar. 23, 2013>
(Act on the Establishment and Operation of the Nuclear Safety and Security Commission)

Article 1 (Enforcement Date)

This Act shall enter into force on the date of its promulgation.

Article 2 and Article 3 Omitted.

Article 4 (Amendments to Other Acts)

① and ② Omitted.
③ The Nuclear Safety Act shall be partially amended as follows:
“Rules of the Nuclear Safety and Security Commission” in Article 2
paragraph 17 shall be amended as “Ordinance of the Prime Minister.” “Rules of the Nuclear Safety and Security Commission (hereinafter referred to as “rules of the Commission”)” in the proviso Article 10 (1) shall be amended as “Ordinance of the Prime Minister.” “Rules of the Commission” in Article 10 (2), (4) and (5), Article 11 subparagraph 1, the proviso to Article 12 (1), Article 12 (2), the proviso to Article 15 (1), Article 18, the proviso to Article 20 (1), Article 20 (2), Article 25, the proviso to Article 28 (1), the proviso to Article 30 (1), the main sentence of Article 30 (2), Article 31 (2), the provisos to Article 35 (1) and (2), Article 35 (3), Article 36 (1), Article 39, the proviso to Article 42 (1), the proviso to the part other than the subparagraphs of Article 45 (1), Article 45 (2), Article 46 subparagraph 1, Article 49, Article 52 (1) 2 and (4), the proviso to Article 53 (1), the paragraph preceding Article 53 (2), the main sentence of Article 53 (3), Article 54 (1) 6 and (3), Article 55 (2) 1 and 3, Article 58, the proviso to Article 60 (1), Article 60 (2), the proviso to Article 63 (1), Article 63 (2), Article 64 subparagraph 1, Article 67, Article 70 (2) and (4), Article 71 (1) and the paragraph preceding paragraph (2), Article 74 (1), the preceding paragraph of and proviso to Article 76 (1), Article 76 (2), Article 78 (3), Article 79 subparagraphs 1 and 2, Article 82, Article 86 (2), Article 88 (1), Article 94 subparagraphs 2 and 3, Article 100 (1), Article 103 (2), Article 104 (1) other than the subparagraph Article 105 (3), Article 106 (3), and the main sentence of Article 112 shall be amended as “Ordinance of the Prime Minister.” “Rules of the Commission” in Article 11 subparagraph 2 shall be amended as "rules of the Nuclear Safety and Security Commission (hereinafter referred to as "rules of the Commission").” “Minister of Land, Transport and Maritime Affairs” in Article 31 (2) and (3) shall be amended as "Minister of Oceans and Fisheries," “Minister of Education, Science and Technology and Minister of Knowledge and Economy" in Article 35 (4) as “Minister of Science, ICT and Future Planning and Minister of Trade, Industry and Energy,” and “Minister of Knowledge Economy” in Article 107 as “Minister of Trade, Industry and Energy.”

Article 5 Omitted.

ADDENDA <Act No. 12666, May. 21, 2014>

Article 1 (Enforcement Date)
This Act shall enter into force on the date when six months have lapsed from its promulgation. Provided, however, that the amended provisions under Article 14 (1) or (2), Article 85 shall enter into force on the date of their promulgation.

**Article 2** (Examples of application to declaration of contracts on safety-related equipment or facilities)

The amended provision under Article 15–2 shall apply to the portion of a contract on design, manufacture, or performance verification of safety-related facilities concluded for the first time after this Act enters into force.

**Article 3** (Transitional measures for reasons for disqualification, including legal incompetence)

Notwithstanding the amended provisions under Article 14 (1) or (2), Article 85, the previous provisions shall apply to those whose legal incompetence or quasi-incompetence remains valid pursuant to Article 2 of the Addenda of the partly amended Civil Act under Law No. 10429 among those who have already been adjudged incompetent or quasi-incompetent at the time the amended provisions enter into force.

**Article 4** (Transitional measures for the criteria for administrative disposition)

The existing provisions shall apply to administrative disposition (including imposition of fines or penalties) against violations before this Act enters into force.

**Article 5** (Transitional measures for the permit of research reactors)

Those obtaining a permit for a research reactor, etc., pursuant to the existing provisions when this Act enters into force shall be deemed to have obtained a permit for the construction or operation of a research reactor under the amended provisions of Article 30 (1) or Article 30–2 (1).

**Article 6** (Amendment of other statutes)

The Act on the Promotion or Control of Radiographic Examination Technologies shall be amended partly as follows: Article 16 and Article 25 (2) are deleted.
ADDENDA <Act No. 13078, Jan. 20, 2015>

Article 1 (Enforcement Date)

This Act shall enter into force six months after its promulgation. Provided, however, the amended provision of Article 103 (1) shall be enforced from the day of promulgation.

Article 2 (Transitional measures concerning the approval of decommissioning plans)

Those who construct or operate a nuclear power reactor and related facilities, a research or educational reactor and related facilities, or a nuclear fuel cycle facility pursuant to the previous provisions shall obtain approval by submitting to the Commission a decommissioning plan of the relevant facility within three years from the enforcement date of this Act. In such a case, the a decommissioning plan approved by the Commission shall be treated as the a decommissioning plan submitted to the Commission pursuant to the amended provisions of Article 10 (2), Article 20 (2), Article 30 (2), Article 30–2 (2), or Article 35 (3).

Article 3 (Exceptional cases concerning the collection of residents’ opinions)

Those who apply for a change license under the latter half of Article 20 in order to continue operating a nuclear power reactor and related facilities after the expiry of their design life within six months from the promulgation of the Act may supplement the procedure for the collection of the residents' opinions pursuant to the amended provision of Article 103 (1) within six months from the day on which the change license is applied for.

ADDENDA <Act No. 13389, Jun. 22, 2015>

Article 1 (Enforcement Date)

This Act shall enter into force on 1 January 2016. However, the amended provisions under Article 2 Item 25, Article 20 (2), Article 21 (1) Item 6, and Article 103–2 shall be enforced on the day when one year has elapsed since its promulgation.

Article 2 (Applicability to Compulsory Collection)
The amended provisions of Article 111–3 shall apply beginning with the first dues imposed after this Act enters into force.

**Article 3** (Transitional Measures concerning accident management program)

A person who is operating a nuclear power reactor or related facilities, or a person who has submitted an application for an operating license and is under examination by the Commission pursuant to the previous provisions, as of the time the amended provisions of Article 20 (2) enter into force, shall submit to the Commission an accident management program for the relevant facilities within three years of the date of enforcement of such amended provisions regardless of whether the operating license is granted. In such cases, an accident management program submitted to the Commission shall be deemed to have been submitted to the Commission pursuant to the amended provisions of Article 20 (2).

**Article 4** (Amendment to other statutes)

The Framework Act on Dues Management is hereby amended partly as follows:
Attached Schedule 11 is amended as follows:

**ADDENDA** <Act No. 13545, Dec. 1, 2015>

**Article 1** (Enforcement Date)

This Act shall enter into force one year after the date of its promulgation.

**Article 2** (Transitional Measures concerning Approval of Plans for Discharging Radioactive Materials etc. in Liquid or Gas Forms)

A person who operates a nuclear power reactor or related facilities, or who has filed an application for an operating license pursuant to the former provision sat the time this Act enters into force, shall submit a plan for discharging radioactive material setc. in liquid or gas form to the Commission and shall obtain approval there of within two years of the date of enforcement of this Act.

**ADDENDA** <Act No. 13616, Dec. 22, 2015>
Article 1 (Enforcement Date)

This Act shall enter into force on the day it is promulgated: Provided, however, that the amended provisions of Article 7-2 shall enter into force three months after the date of its promulgation, and the amended provisions of Item 24-2 of Article 2 and Item 5 of Article 64 shall enter into force one year after the date of its promulgation.

Article 2 (Preparation for Incorporation)

(1) The Korea Foundation of Nuclear Safety, a foundation incorporated under the Civil Act before this Act’s enforcement (hereinafter referred to as the “Incorporated Foundation”), shall prepare the articles of incorporation of the Safety Foundation provided in this Act and shall obtain authorization from the Commission within two months.
(2) Upon obtaining authorization pursuant to paragraph (1), the Incorporated Foundation shall effect the registration of the Safety Foundation under this Act without delay.

Article 3 (Transitional Measures concerning Incorporated Foundation)

(1) Where the Incorporated Foundation has effected the registration of the Safety Foundation, it shall be deemed to have been dissolved notwithstanding the provisions of the Civil Act concerning the dissolution and liquidation of a corporation.
(2) The property, rights and obligations managed by the Incorporated Foundation at the time this Act enters into force shall be inclusively inherited by the Safety Foundation.
(3) The title of the Incorporated Foundation indicated in the register of property, rights and obligations inherited under paragraph (2) and other official books shall be deemed to belong to the title of the Safety Foundation.
(4) Acts done by or against the Incorporated Foundation before the founding of the Safety Foundation in connection with the property inherited under paragraph (2) shall be deemed to be acts done by or against the Safety Foundation.
(5) When the Safety Foundation is incorporated, its executive officers and employees existing at the time of incorporation thereof shall be deemed to have been assigned or appointed as the executive officers and employees of the Safety Foundation. In such cases, the term of office of the executive officers shall be the remainder of the term of office prescribed in the articles of incorporation of the former Incorporated Foundation.
Article 4 (Transitional Measures concerning Designation as Public Institution)

Designation of the Incorporated Foundation by the Minister of Strategy and Finance as a public institution under the Act on Management of Public Institutions at the time this Act enters into force shall be deemed to be the designation of the Safety Foundation under this Act.

Article 5 (Transitional Measures concerning Alteration of Criteria for Permits and Licenses)

A person who has obtained a construction permit for and an operating license of any radioactive waste disposal facilities pursuant to the former provisions at the time this Act enters into force shall obtain a permit and a license pursuant to Article 63 (1) within two years of the date of enforcement of this Act after satisfying the criteria for permits and licenses as provided in the amended provisions of Article 64.

ADDENDA <Act No. 14839, Jul. 26, 2017>  
(Government Organization Act)

Article 1 (Enforcement Date)

① This Act shall enter into force on the date of its promulgation: Provided, That among the Acts amended in accordance with Article 5 of the Addenda, the amendments to the Acts, which were promulgated before this Act enters into force, but the enforcement dates of which have yet to arrive, shall enter into force on the enforcement dates of the respective Acts.

Article 2 through Article 4 Omitted.

Article 5 (Amendments to Other Acts)  
① through <339> Omitted.  
<340> The Nuclear Safety Act shall be partially amended as follows: “Minister of Science, ICT and Future Planning” in Article 35 (4) shall be amended as “Minister of Science and ICT.”  
<341> through <382> Omitted.

Article 6 Omitted.
ADDENDUM <Act No. 14958, Oct. 24, 2017>

This Act shall enter into force six months after the date of its promulgation.

ADDENDUM <Act No. 15281, Dec. 19, 2017>

This Act shall enter into force six months after the date of its promulgation.

ADDENDUM <Act No. 15749, Aug. 14, 2018>

This Act shall enter into force six months after the date of its promulgation.
Enforcement Decree of the Nuclear Safety Act
Enforcement Decree of the Nuclear Safety Act

Presidential Decree No. 23248, Oct. 25, 2011
Enforcement Date Oct. 26, 2011
Presidential Decree No. 23529, Jan. 25, 2012., Amendment by Other Act
Enforcement Date Jan. 26, 2012
Presidential Decree No. 23759, May 1, 2012., Amendment by Other Act
Enforcement Date May 1, 2012
Presidential Decree No. 24245, Dec. 20, 2012., Partial Amendment
Enforcement Date Dec. 20, 2012
Presidential Decree No. 24431, Mar. 23, 2013., Amendment by Other Act
Enforcement Date Mar. 23, 2013
Presidential Decree No. 24689, Aug. 16, 2013., Partial Amendment
Enforcement Date Aug. 16, 2013
Presidential Decree No. 24689, Aug. 16, 2013., Partial Amendment
Enforcement Date Jan. 1, 2014
Presidential Decree No. 25532, Aug. 6, 2014., Amendment by Other Act
Enforcement Date Aug. 7, 2014
Presidential Decree No. 25604, Sep. 11, 2014., Partial Amendment
Enforcement Date Sep. 11, 2014
Presidential Decree No. 25747, Nov. 19, 2014., Partial Amendment
Enforcement Date Nov. 22, 2014
Presidential Decree No. 25747, Nov. 19, 2014., Partial Amendment
Enforcement Date Jan. 1, 2015
Presidential Decree No. 26426, Jul. 20, 2015., Partial Amendment
Enforcement Date Jul. 21, 2015
Presidential Decree No. 26760, Jan. 22, 2015., Partial Amendment
Enforcement Date Jan. 1, 2016
Presidential Decree No. 27095, Apr. 12, 2016., Partial Amendment
Enforcement Date Apr. 12, 2016
Presidential Decree No. 27207, May 31, 2016., Amendment by Other Act
Enforcement Date May 31, 2016
Presidential Decree No. 27248, Jun. 21, 2016., Partial Amendment
Enforcement Date Jun. 21, 2016
Presidential Decree No. 27248, Jun. 21, 2016., Partial Amendment
Enforcement Date Jun. 23, 2016
Presidential Decree No. 27678, Dec. 22, 2016., Partial Amendment
Enforcement Date Dec. 23, 2016
Presidential Decree No. 27947, Mar. 20, 2017., Partial Amendment
Enforcement Date Mar. 20, 2017
Presidential Decree No. 27972, Mar. 29, 2017., Amendment by Other Act
Enforcement Date Mar. 30, 2017
Presidential Decree No. 28471, Dec. 12, 2017., Amendment by Other Act
Enforcement Date Jan. 1, 2018
Presidential Decree No. 28987, Jun. 19, 2018., Partial Amendment
Enforcement Date Jun. 19, 2018
Chapter I  General Provisions

Article 1 (Purpose)

The purpose of this Decree is to provide for the matters delegated by the Nuclear Safety Act and those necessary for the enforcement thereof and for the management and operation of the nuclear safety regulation account provided for in Article 17 (2) of the Nuclear Energy Promotion Act.

Article 2 (Definitions)

(1) The definitions of terms used in this Decree shall be as follows:
1. The term “high-level radioactive waste” means the radioactive waste, of which the radioactive concentration and the heat release rate, higher than levels prescribed by the Nuclear Safety and Security Commission (hereinafter referred to as the “Commission”) under Article 3 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission from among radioactive waste; and the term “intermediate- and low-level radioactive waste” means the radioactive waste other than the high-level radioactive waste. Intermediate- and low-level radioactive waste shall be categorized by the Commission considering concentration of radioactivity;
2. The term “nuclear fuel assembly” means a bundle of nuclear fuel material which is in such a form as to be suitable for use as the fuel of a nuclear reactor;
3. The term “sealed radioisotope” means the radioisotope sealed in a container made of material having a sufficient mechanical strength and high resistance to corrosion, and the structure of which is
made so as to allow, at the time when it is used, the radiation to be released outside the container but to prevent the radioisotope from being leaked;

4. The term “dose limit” means the upper limit of the amount of radiation exposed which is the aggregate of the amount of radiation exposed externally and the amount of radiation exposed internally, and its levels are shown in the attached Table 1:

5. The term “permissible surface contamination level” means the radioactive contamination level permissible on the surface of object or human body as determined by the Commission;

6. The term “preservation area” means the area which requires special management for the preservation of nuclear power utilization facility;

7. The term “exclusion area” means the area in the vicinity of the radiation control area and the preservation area, where the exposed radiation dose is feared to exceed the level prescribed by the Commission;

8. The term “person with frequent access” shall mean a person who has frequent access to a radiation controlled area when on duty, such as for cleaning or management of the facilities(excluding those who require temporary access to such area for a visit, education tour, etc.), other than the radiation workers;

9. The term “permanent disposal” means the permanent isolation of radioactive waste from the sphere of human life with no intention to recover it;

10. The term “spent fuel interim storage” means a safe storage for a specified period of nuclear fuel material used as fuel of nuclear reactor or produced by other sources of fission, from the time such material is received from generator until it is processed or permanently disposed of;

11. The term “special form radioactive material” means hard solid type radioactive material or radioactive material sealed in a capsule, which meets the standard for transportation as determined by the Commission;

12. The term “discharge” means the pushing-out of radioactive material and other materials contaminated by it(hereinafter referred to as the “radioactive material, etc.”) which are produced in the form of liquid or vapor during the normal operation of nuclear power utilization facility, through the exhaust and ventilation equipment in a planned and controlled state within the limited level set by the Commission;

13. The term “annual limits on intake” means the intake to be determined by the Commission, of a given radionuclide in a year by the reference man which would result in a committed dose equal to
the relevant dose limit;
14. The term “derived air concentration” means the concentration to be determined by the Commission, of a given radionuclide in air which, if breathed by the reference radiation worker for a year, would reach the annual limit on intake;
15. A “person with abnormal dosimeter reading results” shall mean any of the following persons:
   (a) a person exposed to radiation in excess of the dose limit;
   (b) a person regarding whom a dosimeter reading is impossible for such reasons as damage to or loss of a dosimeter;
   (c) a person who submitted a dosimeter not less than two months after the time for dosimeter replacement determined by the Commission.

Article 3 (Nuclear Fuel Material)

For the purpose of Subparagraph 3 of Article 2 of the Nuclear Safety Act (hereinafter referred to as the “Act”), the term “material as prescribed by the Presidential Decree” means the following:
1. Uranium of which the ratio of uranium 235 to uranium 238 is the same as that of natural mixture, and its chemical compounds;
2. Uranium of which the ratio of uranium 235 to uranium 238 is less than that of natural mixture, and its chemical compounds;
3. Thorium and its chemical compounds;
4. Materials containing one or more of the materials as referred to in Subparagraphs 1 through 3, which can be used as fuel of nuclear reactor;
5. Uranium of which the ratio of uranium 235 to uranium 238 exceeds that of natural mixture, and its chemical compounds;
6. Plutonium and its chemical compounds;
7. Uranium 233 and its chemical compounds;
8. Materials containing one or more of the materials as referred to in Subparagraphs 5 through 7.

Article 4 (Nuclear Source Material)

For the purpose of Subparagraph 4 of Article 2 of the Act, the term “material as prescribed by the Presidential Decree” means material containing uranium or its chemical compounds, or thorium or its chemical compounds, excluding nuclear fuel material.

Article 5 (Radioisotope)
For the purpose of Subparagraph 6 of Article 2 of the Act, the term “isotope and compound as prescribed by the Presidential Decree” means substance for which the quantity and concentration of isotope exceed the quantity and concentration as determined by the Commission, excluding the following substances:
1. Nuclear fuel material referred to in Subparagraph 3 of Article 2 of the Act;
2. Nuclear source material referred to in Subparagraph 4 of Article 2 of the Act;
3. Radioactive material or device in which radioactive material is incorporated, which is not feared to cause radiation disease, as determined and publicly notified by the Commission.

Article 6 (Radiation)

For the purpose of Subparagraph 7 of Article 2 of the Act, the term “radiomagnetic wave or particle beam as prescribed by the Presidential Decree” means the following:
1. Alpha rays, deuteron rays, proton rays, beta rays and other heavily charged particle rays;
2. Neutron rays;
3. Gamma rays and X-rays;
4. Electron rays with energy exceeding fifty thousand electron volts.

Article 7 (Nuclear Reactor Excluded from Application)

For the purpose of the proviso to Subparagraph 8 of Article 2 of the Act, the term “nuclear reactor as prescribed by the Presidential Decree” means devices other than those which are capable of controlling the chain reaction of nuclear fission and of maintaining the equilibrium state of the reaction without using the neutron source.

Article 8 (Radiation Generating Device)

For the purpose of Subparagraph 9 of Article 2 of the Act, the term “equipment as prescribed by the Presidential Decree” means the following. Provided, that the equipment of which the uses and capacity are not more than those as determined by the Commission shall be excluded:
1. X-ray generating equipment;
2. Cyclotron;
3. Synchrotron;
4. Synchro-cyclotron;
5. Linear accelerator;
6. Betatron;
7. Van de Graff type accelerator;
8. Cockcroft–Walton type accelerator;
9. Transformer type accelerator;
10. Microtron;
11. Cyclotron light accelerator;
12. Ion implanter;
13. Others determined and publicly announced by the Commission.

Article 9 (Related Facilities)

For the purpose of Subparagraph 10 of Article 2 of the Act, the term “facility as prescribed by the Presidential Decree” means the following:
1. Nuclear reactor coolant system facility;
2. Instrumentation and control system facility;
3. Handling and storage facility of nuclear fuel material;
4. Treatment, discharge and storage facility for radioactive waste located in a nuclear power plant;
5. Radiation control facility;
6. Nuclear reactor containment facility;
7. Nuclear reactor safety system facility;
8. Other facilities related with the safety of a nuclear reactor as determined by the Commission.

Article 10 (Nuclear Power Utilization Facility)

“Facility prescribed by the Presidential Decree” in Subparagraph 20 of Article 2 of the Act means the facility falling under any of the following Subparagraphs:
1. Nuclear reactor and related facility;
2. Nuclear fuel cycle facility;
3. Nuclear material use facility;
4. Production facility, use facility, distribution facility, storage facility, conservation facility, treatment facility and discharge facility of radioisotope;
5. Radiation generating device and subsidiary facility thereof;
6. Interim storage facility of spent nuclear fuel;
7. Permanent disposal facility of radioactive waste;
8. Treatment and storage facility of radioactive waste.
Chapter II Establishment and Execution of Comprehensive Nuclear Safety Plan, Etc.

Article 11 (Minor Matters of Comprehensive Nuclear Safety Plan)

For the purpose of Article 3 (4) of the Act, the term “minor matters as prescribed by the Presidential Decree” means the matters falling under each of the following Subparagraphs:
1. Matters related to a detailed implementation of tasks by sector;
2. Matters which have no serious effect on the contents of the general plan and which meet the standards as determined by the Commission.

Article 12 (Fact-Finding Survey by Entrustment)

(1) “Institutions or organizations prescribed by the Presidential Decree” in the latter part of Article 8 (1) of the Act refers to the Korea Foundation of Nuclear Safety as founded under Article 7-2 of the Act (hereinafter referred to as “Safety Foundation”).
(2) The Commission may provide a grant or subsidy for the Safety Foundation to reimburse expenses incurred in relation to the fact-finding survey.

Article 13 (Conclusion of Research Agreement)

(1) The head of the managing research institution or organization (hereinafter referred to as “managing research institution”) shall have any research contract to promote the nuclear safety research and development projects (hereinafter referred to as “research agreement”) in accordance with Article 9 (1) of the Act. If he wishes to cover part of the expenses necessary for the nuclear safety research and development projects from contributions or technology development expenses (including payment in kind), etc. made by persons other than the government, he shall conclude a contribution agreement or research contract in advance with any person who covers such expenses.
(2) The research agreement shall include the matters falling under each of the following Subparagraphs:
1. Titles of tasks, scope, methods of pursuit of the research and persons in charge thereof;
2. Methods of bearing and paying the research and development
expenses;
3. Report on the results of the research and development;
4. Ownership and practical application of the results of the research and development;
5. Measures to be taken as a result of the appraisal of the results of the research and development;
6. Use and control of the research and development expenses;
7. Change and cancellation of research agreements;
8. Measures to be taken for violation of research agreements;
9. Other matters attendant on the research and development.

(3) The head of the managing research institution may implement part of the research tasks in cooperation or jointly with any institution or organization falling under each Subparagraph of Article 14 (1) of the Basic Research Promotion and Technology Development Support Act or specialists in the relevant fields or may have it implemented by entrusting it to such institutions or organizations under the conditions as determined by the Commission.

Article 14 (Payment and Management of Contributions)

(1) The Commission may disburse the contributions to any institutions or organizations which carry out the nuclear safety research and development projects falling under each of Subparagraphs of Article 9 (1) of the Act (hereinafter referred to as “project implementation institution”) from the financial resources as referred to each of Subparagraphs of Article 9 (2) of the Act.
(2) The contributions shall be paid in installments. Provided, that the Commission may pay the contributions in a lump sum taking into account the scale and the time of launching the research and development tasks.
(3) The head of the project implementation institution that is paid the contributions shall establish an account for the contributions separately from funds for other purposes and manage such contributions in a manner that details of their receipts and expenditures can be verified.

Article 15 (Use and Report on Actual Results of Contributions)

(1) The head of the project implementation institution shall use the contributions for the expenses required only for the relevant project, under the conditions as determined by the Commission.
(2) The head of the project implementation institution shall submit to the Commission the results of use of the annual contributions, accompanied by the documents falling under each of the following Subparagraphs by March 31 of the next year:
1. Comparison table between the plans for research and development projects and the actual results of their execution;
2. Public certified accountant's audit report (limited to annual contributions of not less than 500 million won). Provided, that a supervisory organ's written opinion in the case of national or public research institutions and a president's or dean's written opinion in the case of universities and colleges may substitute for it.

Article 16 (Detailed Provisions)

Except as prescribed by this Decree, the necessary matters concerning the execution of the research and development projects and charges shall be determined by the Commission.

Chapter III Construction and Operation of Nuclear Reactor

Section 1 Construction of Nuclear Power Reactor and Related Facilities

Article 17 (Application for Construction Permit)

A person who wishes to obtain construction permit for nuclear power reactor and related facilities (hereinafter referred to as "reactor facility") under the provisions of the former part of Article 10 (1) of the Act shall prepare an application form for permit for each reactor facility under the conditions as prescribed by the Ordinance of the Prime minister and submit it to the Commission. Provided, that if two or more nuclear reactors of the same type, same thermal power and same structure are to be constructed in the same site, one application form may cover the entire application.

Article 18 (Notification of Review Plan)

If the Commission has received an application form as referred to in Article 17, he shall notify the applicant of whether the application documents are appropriate and of the review plan within sixty days from the date on which such application form was submitted.

Article 19 (Processing Period of Permit)

(1) If the Commission has received an application for permit for the
construction of reactor facility referred to in Article 17, he shall decide whether to grant such permit within 24 months. Provided, that in the case falling under any of the following Subparagraphs, the Commission shall decide whether to grant the permit within 15 months:

1. Where the capacity, nuclear reactor type and design specification of the major equipment prescribed by the Commission are identical to the reactor facility whose construction permit has already been granted;

2. Where the reactor facility is in conformity with the standard design for which authorization has been granted in accordance with the provisions of the former part of the main sentence of Article 12 (1) of the Act.

(2) Period falling under any of the following Subparagraphs shall not be included in the processing period of a permit as referred to in Paragraph (1):

1. The period required to supplement or correct the application documents;

2. Other periods required additionally for excusable reasons such as an experiment, etc. for confirming safety.

**Article 20** (Deliberation by the Commission)

Where the Commission wishes to grant a construction permit for reactor facility as referred to in the main part of Article 10 (1) of the Act, the review report prepared by the entrusted institute referred to in Article 153 and attached shall be before a relevant permit is granted.

**Article 21** (Application for Change Permit)

When a person who has obtained permit for the construction of reactor facility under the former part of Article 10 (1) of the Act (hereinafter referred to as “the installer of the nuclear power reactor”), intends to obtain a change permit the permitted matters under the provisions of the latter part of Article 10 (1) of the Act, he shall file an application for change permit with the Commission as prescribed by the Ordinance of the Prime minister.

**Article 22** (Application for Approval of Standard Design)

(1) Any person who intends to obtain approval for standard design in accordance with the former part of Article 12 (1) of the Act shall prepare an application for approval as prescribed by the Ordinance of the Prime minister and file such application for approval with the
Commission.
(2) The provisions of Article 18 shall apply mutatis mutandis to the notice of review plan with respect to any application for approval under Paragraph (1) and the provisions of Article 20 shall apply mutatis mutandis to the deliberation by the Commission of any application for approval filed under Paragraph (1).

Article 23 (Application for Approval of Change of Standard Design)

In the event that any person who has obtained approval for the standard design in accordance with the former part of the text of Article 12 (1) of the Act intends to change be approved matters in accordance with the provisions of the later part of the text of the same Paragraph, he shall file an application for approval of change with the Commission as prescribed by the Ordinance of the Prime minister.

Article 24 (Subject of Exclusion from Approval of Standard Design)

Matters that may be excluded from granting approval for the standard design in accordance with Article 12 (6) of the Act shall be as follows:
1. Matters that need continuous reflection of new technology to enhance safety;
2. Matters for which the confirmation of safety is impossible before purchase, installation and completion are finished.

Article 25 (Regulation on Nuclear Material Control and Accountancy)

The installer of nuclear power reactor shall establish the regulation on nuclear material control and accountancy at every place of business after obtaining an approval from the Commission under Article 15 (1) of the Act. The same shall also apply in a case where he wishes to change this.

Article 25-2 (Report of Performance Verifier Controlling Agency)

The performance verification management institution referred to in Article 15-4 (1)(hereinafter referred to as “Performance Verifier Controlling Agency”) shall report the following matters to the Committee by January 31 each year. Provided, however, that matters concerning corrective measures, changes in certification, and renewal of certification related to the performance verification institutions referred to in Subparagraph 4 of Article 15-3 of the Act (hereinafter referred to as “performance verifier”) shall
be reported to the Committee immediately:
1. Status of business of certification of performance verification institutions;
2. Status of management and supervision of performance verification institutions;
3. Business performance records of the past year and major business plan for the current year.

**Article 25-3** (Criteria for Designation of Performance Verifier Controlling Agency, etc.)

(1) The criteria for designation of Performance Verifier Controlling Agency referred to in Article 15-4 (4) of the Act shall be as follows:
1. It shall have a full-time, dedicated organization needed to manage performance verification institutions efficiently.
2. It shall have professionals qualified as follows and capable of managing performance verification institutions:
   (a) It shall have at least a person qualified as follows:
      (i) One who has accumulated experience in the nuclear energy sector for not less than 3 years after obtaining qualification as a radiation management engineer or a nuclear power generation engineer under the National Technical Qualifications Act;
      (ii) One who has accumulated experience in nuclear energy for not less than 3 years after obtaining a PhD degree in science or engineering;
      (iii) One who has accumulated experience in nuclear energy for not less than 5 years after obtaining a master’s degree in science or engineering;
      (iv) One who has accumulated experience in nuclear energy for not less than 7 years after obtaining a bachelor’s degree in science or engineering;
   (b) At least two persons qualified as follows:
      (i) Those who have accumulated experience in nuclear energy for not less than 3 years after obtaining a bachelor’s degree in science or engineering;
      (ii) Those who have accumulated experience in nuclear energy for not less than 5 years after obtaining an associate bachelor’s degree in science or engineering;
      (iii) Those who have accumulated experience in nuclear energy for not less than 7 years after graduating from high school or technical high school as stipulated in subparagraph 3 of Article 2 of the Elementary and Secondary Education Act;
3. It shall have business regulations needed to carry out the business of the Performance Verifier Controlling Agency.

(2) The scope of business performed by a Performance Verifier Controlling Agency shall be as follows:
1. Matters pertaining to the certification of performance verifiers;
2. Matters pertaining to the follow-up management of performance verifiers such as review and corrective measures;
3. Survey of actual operational status, etc., of performance verifiers;
4. Provision of support to performance verifiers for the improvement of business of performance verification.

Article 26 (Inspection of Control and Accountancy for Specific Nuclear Material)
(1) Any installer of nuclear power reactor shall undergo an inspection on the control and accountancy for specific nuclear material with regard to facility holding specific nuclear material under Article 16 (1) of the Act:
(2) If the Commission wishes to conduct an inspection as referred to in Paragraph (1), he shall notify an installer of nuclear power reactor of an inspection plan containing a list of inspector, date of inspection, and details of inspection, etc. within at least two (2) hours prior to the commencement of the inspection.
(3) The detailed matters on inspection interval and inspection method, etc. regarding an inspection of control and accountancy for specific nuclear material shall be determined by the Commission.
(4) If any installer of nuclear power reactor has undergone an inspection by the International Atomic Energy Agency under the convention for the application of safety measures related to the “Treaty on the Nonproliferation of Nuclear Weapons between the Government of the Republic of Korea and the International Atomic Energy Agency” in respect of the inspection of control and accountancy for specific nuclear material and if such inspection is recognized by the Commission, the Commission may omit the inspection as referred to in Paragraph (1).
(5) If the specific nuclear material, as a result of an inspection as referred to in Paragraph (1) meets the regulation on control and accountancy for specific nuclear material, it shall be deemed to have passed such inspection.

Article 27 (Pre-operational Inspection)
(1) Any installer of nuclear power reactor shall not use nuclear reactor facility without passing an inspection by the Commission, by each process as referred to in Article 29, concerning the construction and performance
of nuclear reactor facility under the provisions of Article 16 (1) of the Act.
(2) In the case of inspection referred to in Paragraph (1), if the construction of reactor facility and its performance conform to the technical standard under the provisions of Subparagraph 2 of Article 11 of the Act and the provisions of Subparagraph 2 of Article 21 of the Act, it shall be deemed to pass the inspection.

**Article 28 (Application for Pre-operational Inspection)**

Any person who wishes to undergo an pre-operational inspection as referred to in Article 27 shall submit to the Commission an application form for an inspection as prescribed by the Ordinance of the Prime minister.

**Article 29 (Time, etc. of Pre-operational Inspection)**

(1) The process and time to undergo the pre-operational inspection as referred to in Article 27 shall fall under each of the following Subparagraphs:
1. When the construction on the important structures of reactor facility has started and when any strength test for each main process may be available;
2. When the construction of reactor facility has been completed and any performance test for each system may be available;
3. When a cold hydro test and hot functional test may be available;
4. When nuclear fuel loading and commissioning test may be available.
(2) The Commission, when he deems it necessary to inspect the strength, pressure resistance and performance of key apparatus, parts, equipments and systems in reactor facility, may conduct the inspection thereof according to the notice of the Commission before the completion of the work of installing the reactor facility.

**Article 30 (Provisional Pass)**

The Commission may grant a provisional pass, by establishing the period and method of use, in a case of unavoidable circumstances for the pre-operational inspection as referred to in Article 27.

**Article 31 (Quality Assurance Inspection)**

The Commission may conduct an inspection, under the provisions of Article 16 (1) of the Act, to check whether an installer of nuclear
power reactor carries out the quality assurance activities according to the quality assurance program submitted under Article 10 (2) of the Act.

**Article 31-2** (Inspection of Suppliers, etc.)

(1) The Commission may inspect suppliers as provided in Subparagraph 3 of Article 15-3 of the Act (hereinafter referred to as “suppliers”) and performance testing institutions with respect to the following matters pursuant to Article 16 (1) of the Act:
   1. Whether matters concerning design, production, and performance verification of safety-related facilities meet the requirements for authorizations stated in Article 11 of the Act;
   2. Matters concerning the content of a report on a contract for safety-related facilities under Article 15-2 of the Act;
   3. Matters concerning a report on inappropriateness under Article 15-3 of the Act;
   4. Other matters deemed necessary by the Commission.
(2) Matters required for inspection methods or procedures concerning what is stated in Paragraph (1) above shall be determined and announced via public notice by the Commission.

**Article 32** (Period for Commencement of Work)

For the purpose of Article 17 (1) 2, the term “period as prescribed by the Presidential Decree” means two years from the date on which the permit has been obtained.

**Section 2 Operation of Nuclear Power Reactor and Related Facilities**

**Article 33** (Application for Operating Licence)

(1) Any person, who wishes to obtain an operating licence for reactor facility under the former part of Article 20 (1) of the Act, shall prepare an application for the licence for respective reactor facility and submit it to the Commission under the conditions as prescribed by the Ordinance of the Prime minister. Provided, that in a case where two or more nuclear reactors of the same type, same thermal power and same structure are to be operated in the same site, one application form may cover the entire applications.
(2) The provisions of Article 19 (1) shall apply mutatis mutandis to the processing period for a license application filed under Paragraph (1), but the period falling under each of the following Subparagraphs shall not be counted in the processing period for any licence:
1. Period that is required to supplement or correct application documents;
2. Period which a pre-operational inspection is impossible due to the failure to install reactor facility;
3. Period that is additionally required for unavoidable reasons, including a test for confirming the safety, etc.
(3) The provisions of Article 20 shall apply mutatis mutandis to the deliberation by the Commission on the application for the permit as referred to in Paragraph (1).

**Article 34 (Application for Change Permit)**

Any person who has obtained the permit under the provisions of the former part of Article 20 (1) of the Act (hereinafter referred to as “operator of nuclear power reactor”) and who wishes to obtain a change permit of permitted matters under the provisions of the latter part of the same Article shall submit to the Commission an application for change permit under the conditions as prescribed by the Ordinance of the Prime minister.

**Article 35 (Periodic Inspection)**

(1) The operators of a nuclear power reactor shall undergo a regular inspection of the operation and performance of reactor facilities based on the objects inspected and the methods of inspection under the Prime Ministerial Decree pursuant to Article 22 (1) of the Act.
(2) In a case of the inspection as referred to in Paragraph (1), if the operation and performance of reactor facility meet the following standards, the reactor facility shall be deemed to have passed the inspection:
1. Reactor facilities shall be operated in conformity with the technical criteria referred to Article 21 (1) 1 through 3 and 6 of the Act;
2. When the performance to withstand the pressure and radiation and other performance of the reactor facility are maintained in a state in which the reactor facility has passed the inspection under the provisions of Article 27.

**Article 36 (Timing, etc. for Periodic Safety Review)**
(1) Pursuant to Article 23 (1) of the Act, each operator of a nuclear power reactor shall comprehensively review the safety of the reactor facilities every ten years from the date he/she has obtained an operating license of such reactor facilities (if he/she has obtained a construction permit and an operating license simultaneously, the date the nuclear reactor first reaches its criticality shall be deemed the date he/she has obtained the operating license; hereafter the same shall apply in this Article), and prepare and submit a review report to the Commission.

(2) The review report referred to in paragraph (1) shall be prepared for each reactor facility separately, and every 10th anniversary of the date the operating license of the relevant reactor facilities is granted shall be the base date for review, and the review report shall be submitted within one year and six months from such base date for review.

(3) With respect to reactor facilities covered by a final safety analysis report submitted under Article 20 (2) of the Act, a single periodic safety review report may be submitted after simultaneously reviewing the safety of the reactor facilities according to the review schedule for the reactor facility installed earliest. Provided, That the degree of wear and tear of equipment, differences in operational conditions, etc. depending on the period for operation of reactor facilities shall be separately considered when such review is conducted.

(4) Notwithstanding paragraph (2), when any operator of a nuclear power reactor intends to continue to operate reactor facilities after the design lifespan of the reactor facilities expires (hereinafter referred to as "continuous operation"), he/she shall submit a review report within two to five years before the base date for review which is the date of expiration of the design lifespan (including every 10th anniversaries thereafter).

(5) Notwithstanding paragraphs (1) and (2), where, pursuant to the proviso to Article 23 (1) of the Act, the whole or part of a reactor facility permanently suspended upon obtaining permission to alter a license under Article 21 (2) of the Act meets all of the following requirements, the operator of the relevant nuclear power reactor need not conduct a periodic safety review of the part unused:

<Amended by Presidential Decree No. 26426, Jul. 20, 2015>

1. That the whole or part of the reactor facility shall not be used;
2. That failure to conduct a periodic safety review of the unused part of a facility shall not affect safety;
3. That it shall be impracticable to apply the timing for, details and methods of periodic safety reviews, etc. under this Article through Article 39 to
the unused part of a facility under subparagraph 1.

Article 37 (Details of Periodic Safety Review)

(1) The periodic safety review as provided in Article 23 (3) of the Act shall include the followings:
1. Design of nuclear reactor facilities;
2. Actual status of safety-related structures, systems, and devices;
3. Deterministic safety analysis;
4. Probabilistic safety review;
5. Analysis of hazardous pollutants;
6. Equipment qualification;
7. Aging (referring to physical or chemical process that will result in the dilapidation of systems, structures, and equipment in a nuclear power plant over time and with use) Management Plans;
8. Matters concerning safety performance;
9. Matters concerning the use or experience of operating a nuclear power plant and relevant research results;
10. Matters concerning the procedure for operation, maintenance, etc.;
11. Matters concerning the organization, management system, and safety culture;
12. Matters concerning human resources (including the status of personnel composition required for the operation of a nuclear reactor);
13. Matters concerning the radiation-related emergency plan under Article 20 of the Act on Physical Protection and Radiological Emergency;
14. Matters concerning the environmental impact of radiation.
(2) In the case of continued operation as provided in Article 36 (4), each of the following shall be additionally included in those set forth in each Subparagraph of the foregoing Paragraph (1):
1. Assessment of the life of major device in consideration of the period of continued operation;
2. Assessment of change in radiation environmental impact after operating license.
(3) Details regarding each Subparagraph of the foregoing Paragraphs (1) and (2) shall be determined by the Ordinance of the Prime minister.

Article 38 (Method and Standard of Periodic Safety Review)

(1) The method and standard of periodic safety review as provided in
Article 23 (3) of the Act shall be as follows:
1. The separate review of the matters set forth in each Subparagraph of Article 37 (1) and Article 37 (2) and the combined review of matters related to each other shall be conducted;
2. The matters concerning the quality assurance and the radiation protection shall be included (if any) in the review of the matters set forth in each Subparagraph of Article 37 (1) and Article 37 (2);
3. The comprehensive safety of nuclear reactor facility shall be assessed taking into account the review of the matters set forth each Subparagraph of Article 37 (1) and Article 37 (2) as well as safety measures resulting from such review;
4. The safety of the nuclear reactor facility shall be assessed with respect to the technical standard effective at the time of the assessment.

(2) With regard to nuclear reactor facility that is to be operated continuously in accordance with Article 36 (4), each of the following shall apply, notwithstanding the provisions of the foregoing Paragraph (1) 4:
1. System, structure, and component shall be evaluated based on technical standard that reflects the latest operational experience, research finding, etc.;
2. Radiation environmental impact shall be evaluated based on the latest technical standard.

Article 39 (Reviewing and Processing Period of Periodic Safety Review Report)

(1) The Commission shall conduct a review within twelve months upon receipt of a review report as provided in Article 36 (2), and within eighteen months upon receipt of a review report as provided in Article 36 (4), and give notice of the findings thereof to the applicant.

(2) In calculating the reviewing and processing period as provided in the foregoing Paragraph (1), none of the following periods shall be factored in:
1. Time spent to supplement or correct a review report;
2. Time additionally spent for unavoidable reasons such as testing to verify safety.

Article 40 (Period for Commencement of Business)

For the purpose of Subparagraph 2 of Article 24 (1) of the Act, the term “period prescribed by the Presidential Decree” means five years from the date on which the permit is granted.
Article 41 (Safety Measures for Operation of Nuclear Power Reactor)

“Measures prescribed by Presidential Decree” in Article 26 (1) 5 of the Act refers to the following measures:
1. Measures for radiation control area, etc.;
2. Measures for the patrol and check of reactor facility;
3. Measures for the monitoring of the container of nuclear reactor;
4. Measures for the safe transport within the boundary of the relevant establishment;
5. Measures for the safe storage of radioactive material within the boundary of the relevant establishment;

Article 41-2 (Filing Applications, etc. for Approval to Decommission Reactor Facilities)

(1) Each operator of a nuclear power reactor who intends to obtain approval to decommission a reactor facility pursuant to the former part of Article 28 (1) of the Act shall prepare an application for approval for decommissioning, as prescribed by Ordinance of the Prime Minister, and file the application with the Commission within five years from the date the reactor facility is permanently suspended upon obtaining permission to alter his/her license concerning permanent suspension under Article 21 (2) of the Act.

(2) Upon receipt of an application for approval for decommissioning filed under Paragraph (1), the Commission shall determine whether to grant approval according to the following standards:
1. Must have the technical capacity necessary for decommissioning nuclear reactor facilities as prescribed by the Regulations of the Nuclear Safety and Security Commission (hereinafter referred to as “Regulations of the Commission”);
2. That the plan, etc. to decommission a reactor facility shall meet the standards prescribed by the Regulations of the Commission;
3. That the radiation exposure dose occurring in the course of decommissioning a reactor facility shall be unlikely to exceed the dose limit referred to in subparagraph 4 of Article 2 and attached Table 1.

(3) Where a person granted approval to decommission a reactor facility intends to alter approved matters pursuant to the latter part of Article 28 (1) of the Act, he/she shall prepare an application for approval for alteration, as prescribed by Ordinance of the Prime Minister, and submit the application with the Commission.
Article 42 (Provision Applicable Mutatis Mutandis)

The provisions of Articles 18, 25, 26, 31 and 31-2 shall apply mutatis mutandis to the operator of nuclear power reactor. In this case, the term “installer of the nuclear power reactor” shall be regarded as the term “operator of the nuclear power reactor”, the term “Article 17” in Article 18 shall be regarded as the term “Article 33”, the term “application for construction” shall be regarded as the term “application for operation”, the term “Article 10 (2) of the Act” in Article 31 shall be regarded as the term “Article 20 (2) of the Act”, the term “Article 16 (1) of the Act” shall be regarded as the term “Article 22 (1) of the Act”, the term “Article 11 of the Act” in Article 31-2 shall be regarded as the term “Article 21 of the Act” and the term “Article 16 (1) of the Act” in Article 31-2 shall be regarded as the term “Article 22 (1) of the Act”.

Section 3 Construction and Operation of Research Reactor Facility, etc.

Article 43 (Application for Permit for Construction and Permit for Operation)

(1) Any person who wishes to obtain a permit for construction of research or educational nuclear reactor and related facilities (hereinafter referred to as “nuclear research reactor facility, etc.”) under the former part of main sentence of Article 30 (1) of the Act, or any person who wishes to obtain a permit for operation of nuclear research reactor facility, etc. under the former part of main sentence of Article 30-2 (1) of the Act shall prepare an application for the permit for each of nuclear research reactor facility, etc. and submit such application to the Commission under the provisions of the Ordinance of the Prime minister. Provided, that in a case where two or more nuclear reactors of the same type, same thermal power capacity, and same structure are to be built in the same site, one application may cover the entire applications.

(2) The provisions of Article 20 shall apply mutatis mutandis with respect to deliberation by the Commission concerning an application for a permit as referred to in Paragraph (1).

Article 44 (Application for Change Permit)

When a person who has obtained permit for the construction of research
reactor facility, etc. under the former part of main text of Article 30 of the Act (hereinafter referred to as the “installer of the nuclear research reactor, etc.”) or a person who has obtained permit for the operation of research reactor facility, etc. under Article 30-2 of the Act (hereinafter referred to as the “operator of the nuclear research reactor, etc.”) intends to change the permitted matters, he shall file an application for change permit with the Commission as prescribed by the Ordinance of the Prime minister.

**Article 45** (Entry and Departure Report on Foreign Atomic-Powered Ship)

(1) Any person who wishes to have a foreign atomic-powered ship enter and depart from a port of the Republic of Korea under the provisions of Article 31 of the Act shall submit an entry or departure report to the Commission twenty days before the date when such ship is scheduled to enter or depart from the port under the conditions as prescribed by the Ordinance of the Prime minister.

(2) In a case where any person who has made a report as referred to in Paragraph (1) wishes to change the matters entered in the report, he shall make a report on the matters to be changed to the Commission.

**Article 46** (Period for Commencement of Business)

For the purpose of Subparagraph 2 of Article 32 of the Act, the term “period prescribed by the Presidential Decree” means three years from the date on which the permit is granted.

**Article 47** (Provisions Applicable Mutatis Mutandis)

Articles 19, 25 through 31, 31-2, 33, 35 (excluding the technical criteria referred to in Article 21 (1) 6 of the Act within the meaning of the technical criteria referred to in Article 35 (2) 1 hereof) through 39, 41 and 41-2 shall apply mutatis mutandis to reactor facilities for research, etc. In such cases, “installer of a nuclear power reactor” shall be construed as “installer of a research reactor etc.” while “operator of a nuclear power reactor” shall be construed as “operator of a research reactor etc.”

**Chapter IV Nuclear Fuel Cycle Business and Use of Nuclear Material**
Section 1 Nuclear Fuel Cycle Business

Sub-Section 1 Refining Business

Article 48 (Application for Permit)

A person, who intends to obtain a permit for a refining business under the provisions of the former part of Article 35 (1) of the Act, shall prepare an application by each business place (including factory; hereinafter the same shall apply) as prescribed by the Ordinance of the Prime minister and submit it to the Commission.

Article 49 (Application for Change on Permit)

In a case where a person who has obtained a permit for refining business under the provisions of the former part of Article 35 (1) of the Act (hereinafter referred to as a “refining enterpriser”) wishes to change any permitted matters under the provisions of the latter part of the same Article, he shall prepare an application for the change on permit and shall submit it to the Commission as prescribed by the Ordinance of the Prime minister.

Article 50 (Periodic Inspection)

Refining enterpriser shall undergo inspections by the Commission periodically at intervals as prescribed by the Ordinance of the Prime minister under the provisions of Article 37 (1) of the Act.

Article 51 (Period of Commencement of Business)

The term “period prescribed by the Presidential Decree” Subparagraph 2 of Article 38 (1) of the Act means the period of two years from the day the permit is obtained.

Article 52 (Provisions Applicable Mutatis Mutandis)

The provisions of Articles 25 and 26 shall apply mutatis mutandis to refining enterpriser. In this case, the term “installer of nuclear power reactor” shall be regarded as the term “refining enterpriser”.

Sub-Section 2 Conversion and Fabrication Businesses
Article 53 (Application for Permit)

(1) A person, who intends to obtain a permit for fabrication business (including conversion business: hereinafter the same shall apply) under the provision of the former part of Article 35 (1) of the Act, shall prepare an application for the permit by each business place and file it with the Commission as prescribed by the Ordinance of the Prime minister.

(2) Where the Commission wishes to grant a permit as referred to in the former part of Article 35 (1) of the Act, he shall submit the evaluation report of the entrusted agency under the provisions of Article 153 to the Commission for deliberation before he grants such permit.

Article 54 (Application for Change Permit)

When a person, who has obtained a permit for the fabrication business (hereinafter referred to as the “fabrication enterpriser”) under the former part of Article 35 (1) of the Act, intends to obtain a change on the permitted matters under the latter part of the same Article, he shall file an application with the Commission as prescribed by the Ordinance of the Prime minister.

Article 55 (Facility Inspection)

(1) The fabrication enterpriser shall undergo an inspection of the construction work and performance of his fabrication facility (including the conversion facility: hereinafter the same shall apply) by the Commission under the provisions of Article 37 (1) of the Act.

(2) A person, who is obliged to undergo an inspection under Paragraph (1), shall submit an application for the inspection to the Commission as prescribed by the Ordinance of the Prime minister.

(3) In a case where he wishes to change any matters stated in the application as referred to in Paragraph (1), he shall report it to the Commission without delay.

(4) If a result of an inspection as referred to in Paragraph (1) meet each of the following Subparagraphs, they shall be deemed to have passed such inspection:

1. If the construction work is performed according to submitted document under the provisions of Article 35 (3) of the Act;

2. If the facility is recognized as installed in conformity with the technical standards as referred to in the provisions of Article 36 (1) 2 of the Act.
Article 56 (Implementation of Facility Inspection)

In conducting the inspection of facility under the provisions of Article 55 (1), the timing of inspection for each object shall fall under each of the following Subparagraphs:

1. When the work for the relevant facilities has commenced and when the structure and hardness thereof can be confirmed or the leakage tests can be conducted with respect to the structure of civil work and building;
2. When the distance between the facilities can be measured with respect to the facility that requires control and management thereof in order to prevent the nuclear fuel material from reaching the nuclear criticality;
3. When the initial nondestructive test, airtightness or watertightness test can be conducted with respect to the facility that requires airtightness or watertightness;
4. When the distance between main parts can be measured with the disposal facility of radioactive waste.

Article 57 (Quality Assurance Inspection)

Under the provisions of Article 37 (1) of the Act, the Commission may conduct an inspection to check whether the fabrication enterpriser is implementing the quality assurance activities in accordance with the quality assurance program submitted under the provisions of Article 35 (3) of the Act.

Article 58 (Periodic Inspection)

(1) Under the provisions of Article 37 (1), the fabrication enterpriser shall undergo an inspection by the Commission periodically under the condition as determined by the Ordinance of the Prime minister. Provided, that where it overlaps the content of the inspection conducted by an institution designated as a specialized inspection institution by other acts and subordinate statute, the inspection may be omitted.

(2) In the case where the performance of the fabrication facility is found to be maintained in such state as passed an inspection of facility under the provisions of Article 55 as a result of an inspection referred to in Paragraph (1), the inspection shall be deemed to be passed.

Article 59 (Period of Commencement of Business)
The term "period prescribed by the Presidential Decree" in Article 38 (1) 2 of the Act means the period of two years from the date the permit is obtained.

**Article 60** (Provisions Applicable Mutatis Mutandis)

The provisions of Articles 25 and 26 shall apply mutatis mutandis to the fabrication enterpriser, respectively. In this case, the “installer of nuclear power reactor” shall be deemed the “fabrication enterpriser”.

**Sub-Section 3 Spent Fuel Processing Business**

**Article 61** (Application for Designation)

(1) A person who wishes to be designated for a spent fuel processing business under the provisions of the former part of Article 35 (2) of the Act shall prepare an application for the designation as prescribed by the Ordinance of the Prime minister at each place of business, and submit it to the competent minister.

(2) The provisions of Article 53 (2) shall apply mutatis mutandis with respect to deliberation by the Commission on matters concerning an application for a designation under Paragraph (1).

**Article 62** (Application for Approval of Change)

(1) In a case where a person who has been designated under the provisions of the former part of Article 35 (2) of the Act(thereinafter referred to as “spent fuel processing enterpriser”) wishes to obtain approval of change of the designated matters as referred to in the latter part of Paragraph (2) of the same Article, he shall submit an application for approval of change to the competent minister under the condition as determined by the Ordinance of the Prime minister.

**Article 63** (Pre-operational Inspection)

(1) A spent fuel processing enterpriser shall undergo an inspection by the Commission on matters concerning construction and performance of spent fuel processing facility under the provisions of Article 37 (1) of the Act.

(2) A person, who shall undergo an inspection under the provisions of Paragraph (1), shall submit to the Commission an application for inspection under the condition as prescribed by the Ordinance of the Prime minister.
(3) In a case where he wishes to change the matters stated in the application as referred to in Paragraph (1), he shall report it to the Commission.

(4) In the case of inspection as referred to in Paragraph (1), the nuclear fuel processing facility shall be deemed to pass the inspection when the facility conforms to each of the following Subparagraphs:

1. The construction work has been carried out according to document furnished under the provisions of Article 35 (3) of the Act;
2. The performance of the facility meets the technical standard under Article 36 (1) 2 of the Act.

Article 64 (Execution of Pre-operational Inspection)

The timing of pre-operational inspection for the construction process under the provisions of Article 63 shall be as follows:

1. When an airtightness test, watertightness test, strength test, nondestructive test or chemical analysis test is conducted, with respect to radiation shielding material, or other materials or components that require airtightness, watertightness or corrosion-resistance;
2. When the dimension of main component of each facility can be measured or when the strength test, nondestructive test, airtightness or watertightness test is conducted with respect to the assembling of receiving or storing facility for spent nuclear fuel, the main body of spent fuel processing facility, the storage facility for product or the radioactive waste disposal facility;
3. When each facility has been completed with respect to the assembling of the building, instrumentation & control system, radiation control facility or other spent fuel processing facility;
4. When the commissioning test is carried out at the maximum capacity of the spent fuel processing facility with respect to the performance of the spent fuel processing facility;
5. Other time as deemed necessary by the Commission.

Article 65 (Periodic Inspection)

(1) Under the provisions of Article 37 (1) of the Act, a spent fuel processing enterpriser shall undergo a periodic inspection for the performance of the spent fuel processing facility as determined by the Ordinance of the Prime minister.

(2) In a case where the inspection as referred to in Paragraph (1) is conducted, a spent fuel processing enterpriser shall be deemed to have passed the inspection, if the performance of the spent fuel processing
facility meets the following standards:
1. When the operation meets the technical standard under the provisions of Article 36 (1) 1 through 3 of the Act;
2. When the capability to prevent fire and explosion in the spent fuel processing facility and other performance are maintained in such state as passed by the inspection under the provisions of Article 63.

Article 66 (Period of Commencement of Business)

The term “period prescribed by the Presidential Decree” in Subparagraph 2 of Article 38 (1) of the Act means the period of ten years from the date the designation is granted.

Article 67 (Provisions Applicable Mutatis Mutandis)

The provisions of Articles 25, 26 and 57 shall apply mutatis mutandis to a spent fuel processing enterpriser, respectively. In this case, the “installer of the nuclear power reactor” and the “fabrication enterpriser” shall be deemed the “spent fuel processing enterpriser”, respectively.

Sub-Section 4 Safety Measure for Operation

Article 68 (Safety Measure for Operation of Nuclear Fuel Cycle Facility)

(1) Any person who has been granted permit or designation in accordance with Article 35 (1) or (2) of the Act (hereinafter referred to as “nuclear fuel cycle enterpriser”) shall take safety measures falling under each of the following Subparagraphs under the condition as prescribed by the Regulations of the Commission in accordance with Article 40 (1) of the Act:
1. Measures for radiation control area, etc;
2. Measures for the personal dose, etc.;
3. Measures for the patrol and check of nuclear fuel cycle facility;
4. Measures for the safe operation of nuclear fuel cycle facility;
5. Measures for the self-check of nuclear fuel cycle facility;
6. Measures for the safe transport within the boundary of the relevant establishment;
7. Measures for the storage of radioactive material within the boundary of the relevant establishment;
8. Measures for the treatment, discharge and storage of radioactive waste within the boundary of the relevant establishment.

(2) Notwithstanding the provisions of Paragraph (1), in the event that the
Commission recognizes that the case falls under any of the following Subparagraphs, the provisions of Paragraph (1) shall not apply:
1. When the use of nuclear fuel cycle facility is purposed for research and experiment;
2. When it is difficult to fully apply the provisions of Paragraph (1) due to the feature of facility and the technical difference;
3. When even if the safety measure of Paragraph (1) are not taken, such exclusion does not impede the safety in the light of technical aspect.

Sub-Section 5 Decommissioning of Nuclear Fuel Cycle Facilities

Article 68-2 (Filing Applications, etc. for Approval to Decommission Nuclear Fuel Cycle Facilities)

(1) Each nuclear fuel cycle facility business operator who intends to obtain approval to decommission his/her nuclear fuel cycle facility pursuant to the former part of Article 42 (1) of the Act shall prepare an application for approval for decommissioning, as prescribed by Ordinance of the Prime Minister, and file the application with the Commission within two years from the date the nuclear fuel cycle facility is permanently suspended upon obtaining permission to alter his/her license concerning permanent suspension pursuant to Article 36 (2) of the Act.

(2) Upon receipt of an application for approval for decommissioning filed under paragraph (1), the Commission shall determine whether to grant approval according to the following standards:
1. That the applicant shall have the technical capability necessary to decommission a nuclear fuel cycle facility, as prescribed by the Regulations of the Commission;
2. That the plan, etc. to decommission a nuclear fuel cycle facility shall meet the standards prescribed by the Regulations of the Commission;
3. That the radiation exposure dose occurring in the course of decommissioning a nuclear fuel cycle facility shall be unlikely to exceed the dose limit referred to in subparagraph 4 of Article 2 and attached Table 1.

(3) Where a nuclear fuel cycle facility business operator granted approval to decommission his/her nuclear fuel cycle facility pursuant to the latter part of Article 42 (1) of the Act intends to alter approved matters, he/she shall prepare an application for approval for alteration, as prescribed by Ordinance of the Prime Minister, and file the application with the Commission.
Section 2  Use, etc. of Nuclear Material

Sub-Section 1  Use of Nuclear Fuel Material

Article 69 (Application for Permit for Use)

A person, who wishes to obtain a permit for use or possession of nuclear fuel material under the provisions of the former part of Article 45 (1) of the Act shall submit to the Commission an application for each place of business as prescribed by the Ordinance of the Prime minister.

Article 70 (Application for Change Permit)

When a person, who has obtained a permit under the provisions of Article 45 (1) of the Act (hereinafter referred to as the “nuclear fuel material user”), intends to obtain a change permit the permitted matters under the provisions of the latter part of Article 45 (1) of the Act, he shall file an application for change permit with the Commission as prescribed by the Ordinance of the Prime minister.

Article 71 (Nuclear Fuel Material not Subject to Permit for Use)

For the purpose of Subparagraph 3 of Article 45 (1) of the Act, the term “nuclear fuel material of such kind and quantity as prescribed by the Presidential Decree” means the nuclear fuel material falling under any of the following Subparagraphs:
1. With respect to uranium for which the ratio of uranium 235 to uranium 238 is the same as the natural mixture and its compounds, the quantity of uranium is not more than 300 grams;
2. With respect to uranium for which the ratio of uranium 235 to uranium 238 is less than the ratio in the natural mixture and its compounds, the quantity of uranium is not more than 300 grams;
3. With respect to materials which contain one or more of the materials as referred to in Subparagraphs 1 and 2, and which are used as fuel in nuclear reactor, the quantity of uranium is not more than 300 grams;
4. With respect to thorium and its compounds, the quantity of thorium is not more than 900 grams;
5. With respect to materials which contain one or more of the materials as referred to in Subparagraph 4, and which are used as the fuel in nuclear reactor, the quantity of thorium is not more than 900 grams;

6. Others which the Commission determines and publicly notifies that they are not feared to cause any occurrence of radiation injury.

**Article 72 (Standard for Permit)**

The equipment and manpower falling under each of the following Subparagraphs shall be secured in accordance with Subparagraph 4 of Article 46 of the Act:

1. Equipment:
   (a) Not less than one radiation survey meter in the event that sealed nuclear fuel material is in use or possession;
   (b) Not less than one radiation survey meter and not less than one radioactivity survey meter at respective use facility in the event that unsealed nuclear fuel material is in use or possession;

2. Manpower:
   (a) Not less than one holder from among the holders of licenses for the supervisor of nuclear fuel material handling, a license for supervisor of radiation handling as referred to in Subparagraph 3 or Subparagraph 7 of Article 84 (2) of the Act or professional engineer for radiation control (hereafter referred to as “radiation control engineer) by the National Technical Qualification Act in the event that nuclear fuel material is in use or possession under the provisions of each Subparagraph of Article 73 (1);
   (b) Except for the case of item (a), not less than one holder from among the license for nuclear fuel material handling or general license for the radioisotope handling under the provisions of Subparagraph 4 or 5 of Article 84 (2) of the Act.

**Article 73 (Facility Inspection)**

(1) A nuclear fuel material user shall undergo an inspection by the Commission with respect to the use facility, etc. using the following nuclear fuel material under the provisions of Article 47 (1) of the Act. The same shall also apply if he wishes to change the use facility, etc.:

1. Plutonium, its compounds and materials which contain one or more of them and which contain not less than one gram of plutonium (excluding the sealed materials);
2. Spent fuel of not less than 100 curies;
3. Hexafluoride uranium which contains not less than 1 ton of uranium;
4. Uranium, its compounds and materials which contain one or more of them and which contain not less than 3 tons of uranium (limited to liquid materials).

(2) A person who shall undergo an inspection of the construction of the use facility, etc. as referred to in Paragraph (1) shall submit to the Commission an application for an inspection as prescribed by the Ordinance of the Prime minister.

(3) A person, who wishes to change the use facility, etc. under the provisions of the latter part of Paragraph (1) and who shall undergo an inspection in respect of the construction of such facility, shall submit to the Commission an application for an inspection for change as prescribed by the Ordinance of the Prime minister.

(4) In the case where the inspection is conducted under the provisions of Paragraphs (1) and (3), the inspection shall be deemed to be passed when the construction of use facility, etc. has met the technical standards as referred to in Subparagraph 2 of Article 46 of the Act.

**Article 74 (Execution of Facility Inspection)**

The timing of a construction process at which facility is required to be inspected under the provisions of Article 73 (1) falls under each of the following Subparagraphs:

1. When the nondestructive test, airtightness or watertightness test is performed with respect to equipment used for research of spent nuclear fuel processing which require airtightness or watertightness;
2. When it is possible to measure thickness with respect to the shielding walls and other shielding materials;
3. When it is possible to measure the dimension of the parts or the distance between the parts with respect to the equipment which require the monitoring of dimension and arrangement in order to prevent the nuclear fuel material from reaching the nuclear criticality;
4. When the use facility other than those as referred to in Subparagraphs 1 through 3 is completed.

**Article 75 (Periodic Inspection)**

A nuclear fuel material user shall undergo an inspection by the Commission under the provisions of Article 47 (1) of the Act, as prescribed by the Regulation of the Ordinance of the Prime minister.

**Article 76 (Provisions Applicable Mutatis Mutandis)**

The provisions of Articles 25 and 26 shall apply mutatis mutandis to the
nuclear fuel material user, respectively. In this case, the “installer of nuclear power reactor” shall be deemed the “nuclear fuel material user”.

Sub-Section 2 Use of Nuclear Source Material

Article 77 (Report on Use)

A person who intends to use nuclear source materials under the provisions of the former part of the exception of each subparagraph of Article 52 (1) of the Act, shall have each of his business establishments prepare a report to submit it to the Commission as prescribed by the Ordinance of the Prime minister.

Article 78 (Report on Change)

When a person, who has made a report under the former part of the exception of each subparagraph of Article 52 (1) of the Act, intends to make a report on change the reported matters under the latter part of the same Paragraph of the same Article, shall have each of his business establishments make a report on change the reported matters to the Commission as prescribed by the Ordinance of the Prime minister.

Chapter V Control of Radioactive Isotope, etc, Radioactive Waste and Radioactive Material

Article 79 (Application for Permit for Use, etc.)

(1) A person, who intends to obtain permit for the production, sale, use(including possession and handling; hereafter the same shall apply) or mobile use of radioactive isotope or radiation generating device(hereinafter referred to as the “radioactive isotope, etc.”) under the provisions of the former part of Article 53 (1) of the Act, shall have each of his business establishment(including factory; hereinafter the same shall apply) file an application for the permit with the Commission as prescribed by the Ordinance of the Prime minister.

(2) A person who intends to obtain permit for the production of radioactive isotope under the provisions of Paragraph (1), shall submit an application for permit to the Commission by radionuclide and radioactivity as prescribed by the Ordinance of the Prime minister for
each of his business establishment.

(3) A person who intends to obtain permit for the production of radiation generating device under the provisions of Paragraph (1), shall submit an application for permit to the Commission by capacity as prescribed by the Ordinance of the Prime minister for each of his business establishment. Provided that, a person who intends to obtain permit for the production of X-ray generating device under the provisions of Paragraph (1) may submit an application to the Commission on the basis of the maximum capacity of X-ray generating device to be produced as prescribed by the Ordinance of the Prime minister for each of his business establishment.

Article 80 (Application for Change Permit)

If a person, who has obtained a permit under the provisions of the former part of Article 53 (1) of the Act (hereinafter referred to as “permitted user”), intends to obtain a change permit the permitted matters under the provisions of the latter part of Article 53 (1) of the Act, he shall file an application for change permit with the Commission as prescribed by the Ordinance of the Prime minister.

Article 81 (Notification on Use)

A person, who intends to make a notification on the use or a mobile use of the sealed radioisotope or the radiation generating device under the former part of Article 53 (2) of the Act, shall have each of his business establishment submit the notification on the use or mobile use of them to the Commission as prescribed by the Ordinance of the Prime minister.

Article 82 (Report on Change)

If a person, who has made a notification under the provisions of the former part of Article 53 (2) of the Act (hereinafter referred to as “notified user”), intends to change the notified matters under the provisions of the latter part of Article 53 (2) of the Act, he shall file a report on change the notified matters with the Commission as prescribed by the Ordinance of the Prime minister.

Article 82–2 (Selection, etc., of Radiation Safety Officers)

(1) The licensed user and notified user shall designate the radiation safety
officer for each place of work under Article 53–2 (1) of the Act. When the radiation safety officer is changed or dismissed, a new one shall be designated without delay.

(2) Notwithstanding Paragraph (1) above, a person that has notified the opening or change of a place of work to use radioisotopes, etc. for radiographic examination outside a place of business under the proviso to Article 53 (1) of the Act (hereinafter referred to as “workplace”) shall designate a radiation safety officer for each workplace stated in Paragraph (1) above; Provided, however, that a radiation safety officer may be designated as follows in any of the following cases:

1. Where the workplace are located within an autonomous district like si, gun, or gu (the same applies hereinafter whenever “autonomous district” is stated) or not more than 15km away from the autonomous district border: a radiation safety officer for every two or less workplace (or for every three or less places of work if the radiation source is used only at a facility dedicated to radiation use);

2. Where only one radiation source is used in the workplace, the radiation-related work period is for less than a month, and the radiation safety officer is always present during radiation work: a radiation safety officer for every five or less workplace.

(3) The designation, change, or dismissal of the radiation safety officer under Article 53–2 (1) and (3) of the Act shall be reported to the Committee in accordance with the Ordinance of Prime Minister by the following deadlines:

1. Where a radiation safety officer is designated under the former part of Article 53–2 (1) of the Act: prior to the commencement of the use of radioisotopes, etc.;

2. Where a radiation safety officer is changed under the latter part of Article 53–2 (1) of the Act: prior to the change;

3. Where a radiation safety officer is newly designated after the dismissal of the previous one under Article 53–2 (3) of the Act: within 30 days of the dismissal of the previous one.

**Article 82–3 (Qualification Requirements of Radiation Safety Officers)**

(1) The qualification requirements of the radiation safety officer referred to in Article 53–2 (7) of the Act shall be as follows:

1. For designation by a permitted user: an employee of the relevant place of business with the license stated in Article 84 (2) 5 through 7 of the Act or who is qualified as a professional engineer of radiation management;

2. For designation by a notified user: an employee of the relevant place of
business and with experience in the business of handling radioisotope.
(2) Notwithstanding Paragraph (1) above, a person using a business agent for radiation safety control under Article 54 (1) 5 of the Act may designate a person stated in No. 3 of Table 4 attached hereto as radiation safety officer.
(3) The details of qualification requirements of a radiation safety officer as stated in Paragraph (1) above shall be set forth under the Ordinance of the Prime Minister.

Article 82-4 (Designation of Substitute for Radiation Safety Officer and Qualification Criteria, etc.)

(1) A permitted user or reported user who has appointed a radiation safety officer pursuant to Article 53-2 (1) of the Act shall designate a substitute for the radiation safety officer immediately upon the occurrence of any events falling under any of subparagraphs of paragraph (6) of the same Article and prepare a designation report in accordance with the matters prescribed by Ordinance of the Prime Minister.
(2) The substitution period of the substitute appointed pursuant to Paragraph (1) shall be as follows:
1. Where Article 53-2 (6) 1 of the Act applies: Within 30 days in a year. Provided, That it shall be within 90 days in a year in case of a maternity leave;
2. Where Article 53-2 (6) 2 of the Act applies: Within 30 days of dismissal or resignation.
(3) The qualification criteria for the substitute pursuant to Article 53-2 (7) of the Act shall be as follows:
1. Where the substitute is appointed by a permitted user: An employee of the business establishment in question who falls under any of the following:
   (a) A person who holds a license corresponding to any of the licenses listed in Article 84 (2) 5 through 7 of the Act;
   (b) A person who holds the Professional Engineer Radiation Management certificate;
   (c) A person with work experience in handling radioisotopes, etc;
2. Where the substitute is appointed by a reported user: A person among the employees of the business establishment in question who has work experience in handling radioisotopes, etc.
(4) The details of the qualification criteria for a substitute pursuant to Paragraph (3) shall be determined by Ordinance of the Prime Minister.

Article 83 (Standard for Permit)
(1) For the purpose of Article 55 (1) 2 of the Act, the term "Dose Limit as prescribed by the Presidential Decree" means the dose limit as provided for Subparagraph 4 of Article 2.
(2) "Equipments and manpower stipulated in the Presidential Decree," in Article 55 (1) 4 of the Act refers to 'equipments' in the Attached Table 2, and 'manpower' in the Attached Table 3, respectively.
(3) When a person, who intends to use or sell the radioisotope, etc. has his business agent in accordance with Article 54 (2) of the Act (hereinafter referred to as the "business agent") act for his business with regard to radiation safety control referred to in Article 54 (1) 5. of the Act, may have the manpower of the business agent substitute the manpower referred to in Paragraph (2) as prescribed by the Ordinance of the Prime minister.

Article 84 (Standard for Registration)

"Equipment and Manpower prescribed by Presidential Decree" in Article 55 (2) 2 of the Act means each of the following Subparagraphs:
1. Equipment: The business agent shall secure equipment falling under each of the following items to take exclusive charge of the registered service:
   (a) Not less than 5 radiation survey meter;
   (b) Not less than 2 radioactivity survey meter;
   (c) For each person exclusively in charge, not less than one radiation monitor and not less than one pocket dosimeter;
   (d) Not less than one vehicle for the exclusive use of transporting radioactive material (limited to the case where the business referred to in Subparagraph 2 of Article 54 (1) of the Act is carried out by proxy);
2. Manpower: The business agent shall secure manpower exclusively in charge of the registered service as shown in the appended Table 4.

Article 85 (Facility Inspection)

(1) When a permitted user installs or changes the production, use, distribution, storage, conservation, treatment and discharge facility for radioisotope, etc.(hereinafter referred to as "use facility, etc.") under the provisions of the main sentence of Article 56 (1) of the Act, he shall have the facility concerned inspected by the Commission.
(2) In cases where a permitted user performs a self-check of any of the following use facility, etc. as prescribed by the Ordinance of the Prime minister and the findings of such self-check pass documentary
deliberation by the Commission, such self-check shall substitute for an actual inspection of facility as provided in the foregoing Paragraph (1). Provided, that this shall not apply to the initial inspection of the use facility, etc.:
1. Use facility, etc. in which radiation equipment approved under the provisions of the main sentence of Article 60 (1) of the Act (only to the extent of such equipment that can be handled without installation of separate radiation shields) was installed;
2. Use facility, etc. in which, among radiation generating devices approved under the main sentence of Article 60 (1) of the Act, device as prescribed by the Ordinance of the Prime minister remains installed;
3. Use facility, etc. in which sealed radioisotope of less than 370 giga-becquerel is used.
(3) In cases when a business agent performs a supervision of any of the use facility, etc. set forth in any Subparagraph of the foregoing Paragraph (2) as prescribed by the Ordinance of the Prime minister, and the findings of such supervision pass a documentary deliberation by the Commission, such supervision shall substitute for an actual inspection of facility as provided in the foregoing Paragraph (1). Provided, that this shall not apply to the initial inspection of the use facility, etc.
(4) When the installation or the change of the use facility, etc. is found to be in conformity with the contents of the permit under the provisions of Article 53 (1) of the Act (including conditions under the provisions of Article 99 of the Act) as a result of the inspection under Paragraph (1), the result of the documentary deliberation of the report of the self-check under Paragraph (2) or the result of the documentary deliberation of the supervision report under Paragraph (3), the inspection of such facility shall be deemed to be passed.
(5) With regard to the use facility, etc. of which self-check or supervision findings submitted under the foregoing Paragraph (2) or (3) fail to pass the documentary deliberation, the Commission shall conduct an inspection as provided in the foregoing Paragraph (1).

Article 86 (Exemption from Facility Inspection)

The case when the inspection of facility is exempted under the provisions of the proviso to Article 56 (1) of the Act shall be any of the following Subparagraphs:
1. When storage facility of radioisotopes other than sealed radioisotopes (hereinafter referred to as ‘Unsealed Radioisotopes”) is changed;
2. When storage facility for radioactive waste (excluding waste sources) is
changed:
3. When use facility, etc. is installed in temporal places:
4. When use facility, etc. is additionally installed or changed to use radioisotope subject to the notification under the provisions of Article 53 (2) of the Act;
5. When radiation equipment that has passed the manufacturing inspection referred to in the main sentences of the parts other than the subparagraphs of Article 61 (1) of the Act is installed without any changes to the existing facility;
6. When the synchrotron beamline is additionally installed in the synchrotron light source or the structure is changed and the Commission deems it unnecessary to inspect the facility;
7. When storage facility for radiation generating device is installed or changed.

Article 87 (Application for Facility Inspection)

A person who shall undergo an inspection with respect of the use facility, etc. under the provisions of Article 85 (1) shall submit to the Commission an application for the inspection, together with documents as prescribed by the Ordinance of the Prime minister.

Article 88 (Periodic Inspection)

(1) The permitted user shall undergo a periodic inspection on installation and operation of the use facility, etc. by the Commission under the provisions of Article 56 (1) of the Act as prescribed by the Ordinance of the Prime minister.
(2) Every business agent shall undergo a periodic inspection on the operation and contents of his agency business by the Commission under the main sentence of Article 56 (1) of the Act as prescribed by the Ordinance of the Prime minister.
(3) If a permitted user who meets all of the following requirements performs a self-check of the installation and operation of use facility, etc. as prescribed by the Ordinance of the Prime minister and passes a documentary deliberation thereof by the Commission, such self-check shall substitute for a periodic inspection as provided in the foregoing Paragraph (1). Provided, that this shall not apply to the initial periodic inspection:
1. That the user installs and operates use facility, etc. of which the periodic inspection interval is three or five years as prescribed by the Ordinance of the Prime minister:
2. That the user was not subject to a corrective or complementary 
   order in the immediate former periodic inspection;
3. That a report under Article 98 (1) of the Act has not been omitted for 
   the last three years starting from January 1 of the year in which a 
   periodic inspection is to be conducted (only to a report of the installation 
   and operation of the use facility, etc.);
4. That there was no person with abnormal dosimeter reading results for 
   the last three years starting from January 1 of the year in which a 
   periodic inspection is to be conducted;
5. That there was no theft, loss, fire, or other accidents involving a 
   radiation generating device or radioactive material, etc. under Article 
   97 of the Act for the last five years starting from January 1 of the 
   year in which a periodic inspection is to be conducted.

(4) When the facility is found to have been maintained in conformity 
   with the standards under Article 55 of the Act and Article 59 (1) of 
   the Act as a result of the inspection under Paragraphs (1) and (2) or 
   the documentary deliberation of the self-check report under Paragraph 
   (3), the facility shall be deemed to have passed the inspection.

(5) With regard to the installation and operation of use facility, etc. of 
   which the self-check findings submitted in accordance with the 
   foregoing Paragraph (3) failed to pass a documentary deliberation, the 
   Commission shall conduct an inspection as provided for in the foregoing 
   Paragraph (1).

**Article 89 (Exemption from Periodic Inspection)**

(1) If the result of the inspection under the provisions of Article 88 and 
   98 (2) of the Act, or the level of self-safety control of permitted user 
   or business agent is recognized by the Commission to be excellent, such 
   permitted user or business agent, shall be exempted from the periodic 
   inspection pursuant to the proviso to Article 56 (1) of the Act.

(2) The standards for exempting the inspection under Paragraph (1) and 
   matters necessary for exempting the inspection shall be prescribed and 
   publicly notified by the Commission.

**Article 90 (Application for Periodic Inspection)**

A person who shall undergo an inspection under Article 88 (1) and (2) 
shall submit to the Commission an application for the inspection. Provided, 
that this shall not apply when the Commission has established an inspection 
plan of the competent year for the permitted user and business agent, and 
notified them thereof.
**Article 91** (Production Inspection)

(1) A person who has been granted permit for the production of radioisotope shall get the production of radioisotope falling under each of the following Subparagraphs inspected by radionuclide and radioactivity as prescribed by the Commission in accordance with Article 56 (1) of the Act:
1. Sealed radioisotope;
2. Unsealed radioisotope;
3. Special form radioactive material.
(2) In the event that the performance of radioisotope and the content of the quality assurance program are in conformity with the permit standard set in accordance with Article 55 (1) 3 of the Act as a result of the inspection, they shall be deemed to pass such inspection.

**Article 92** (Period of Commencement of Business)

For the purpose of Article 57 (1) 2 of the Act, the term “period as prescribed by the Presidential Decree” means the period of one year after a permit is obtained.

**Article 92–2** (Work Resumption by the Orderer, etc.)

(1) For the resumption of the work in Article 59–2 (5) of the Act by the owner stated in Article 59–2 (1) of the Act(hereinafter referred to as “Owner”), permitted user, or notified user, a document proving the end of the situation that caused the stoppage of the work due to the installation of a safety facility shall be submitted to the Committee.
(2) When the order for installation or improvement of the safety facility is judged to have been followed properly under Article 59–2 (2) of the Act, and based on the review of the evidentiary document stated in Paragraph (1), the Committee shall immediately advise the owner, permitted user, or notified user that it can resume the work.

**Article 93** (Design Approval for Radiation Equipment)

(1) The standards for design approval for each type of radiation generating devices or equipment containing radioisotopes(hereinafter referred to as “radiation equipment”) referred to in Article 60 (1) of the Act are as follows:
1. The radiation equipment shall not be feared that the radiation source is easily released or the radiation injury occurs by the failure and the wear, etc.;
2. The design and structure of the radiation equipment shall conform with the standards set and publicly notified by the Commission. (2) “In case of being prescribed by Presidential Decree” in Article 60 (2) 4 of the Act refers to any of the following:
1. Receiving a manufacturing permission or certification or filing a manufacture report according to the item type in accordance with Article 6 (2) 2 of the Medical Devices Act;
2. Receiving an import approval or certification according to the item or filing an import report according to the item type in accordance with Article 15 (2) 2 of the Medical Devices Act.

Article 94
Deleted.

Article 95
Deleted.

Chapter VI  Disposal and Transportation

Article 96 (Application for Permit for Construction and Operation of Disposal Facility, etc.)
A person, who intends to obtain a permit for construction and operation of storage, treatment and disposal facility of radioactive waste and their accessory facility(hereinafter referred to as the "disposal facility, etc.") under the provisions of the former part of Article 63 (1) of the Act, shall prepare an application for the permit and submit it to the Commission as prescribed by the Ordinance of the Prime minister. In such cases, a person who desires to obtain a construction permit for and an operation license of radioactive waste disposal facilities shall evaluate the safety of the disposal by taking the following matters into account, set the post-shutdown management period of the radioactive waste disposal facilities pursuant to Subparagraph 5 of Article 64 of the Act within the applicable period as provided in Items of Article 99 (2) to report it to the Commission:
1. Methods of disposal;
2. Depth of disposal;
3. Distinct features of the designs of the disposal facilities;
4. Types and quantities of wastes to be disposed of;
5. Characteristics of the site;
6. Social characteristics of the surroundings;
7. Management activities after the shutdown of the disposal facilities.

**Article 97 (Accessory Facility)**

For the purpose of the former part of the main sentence of Article 63 (1) of the Act, the term “accessory facility” means facility which is related to radiation safety, such as takeover facility and inspection facility of radioactive waste.

**Article 98 (Application for Change Permit)**

When a person, who has obtained a permit for construction and operation of the disposal facility, etc.(hereinafter referred to as the “installer of disposal facility, etc.”) under the provisions of the former part of Article 63 (1) of the Act, intends to obtain a change permit for the permitted matter under the latter part of the same Paragraph, he shall file an application for a change permit with the Commission as prescribed by the Ordinance of the Prime minister.

**Article 99 (Standard for Permit)**

(1) The equipment and manpower required to be secured in accordance with Subparagraph 4 of Article 64 of the Act shall be as follows:
   1. Equipment:
      (a) Not less than 3 radiation survey meters;
      (b) Not less than 3 radioactivity survey meters;
      (c) Not less than one equipment used for handling and transporting radioactive waste;
   2. Manpower:
      Not less than one holder of the license for supervisor for radiation handling or not less than one professional engineer for radiation control as prescribed in Article 84 (2) 7 of the Act.
(2) “Period prescribed by Presidential Decree” in Subparagraph 5 of Article 64 of the Act shall mean the post-shutdown management period of radioactive waste disposal facilities as provided in the following Item. To operate two or more radioactive waste disposal facilities within the same site in such cases, the post-shutdown management period of a disposal facility which requires the longest period among such radioactive waste disposal facilities shall apply to all radioactive waste disposal facilities within the relevant site:
1. Radioactive waste disposal facilities using the mined cavity disposal method: Up to 200 years.
2. Radioactive waste disposal facilities using the near-surface disposal method other than the mined cavity disposal method: Up to 300 years.

Article 100 (Notification of Review Plan)

If the Commission has received the application as referred to in Article 96, he shall notify the applicant of whether the application documents are appropriate and of the review plan of such application for the permit within 45 days from the application date.

Article 101 (Pre-operational Inspection)

(1) The installer of disposal facility, etc. shall undergo an inspection by the Commission on the construction and performance of disposal facility, etc. under the provisions of Article 65 (1) of the Act.
(2) In the case of an inspection as referred to in Paragraph (1), the disposal facility, etc. shall be deemed to have passed the inspection when it conforms to the following cases:
   1. When the construction work has been progressed according to the content of a permit given under Article 63 of the Act;
   2. When the structure, equipment and performance of the disposal facility, etc. is in conformity with the technical standard set by the Ordinance of the Prime minister.
(3) A person who wishes to undergo an inspection under the provisions of Paragraph (1) shall submit to the Commission an application for an inspection as prescribed by the Ordinance of the Prime minister.

Article 102 (Time of Pre-operational Inspection)

In conducting the pre-operational inspection as referred to in Article 101 (1), the time of inspection for each object to be inspected shall fall under any of the following Subparagraphs:
1. For the civil works or the structure of construction, when the work has commenced and when it is possible to confirm the strength or to conduct the test related to the leakage by process:
2. For the material or parts requiring radiation shielding, airtightness, watertightness or anti-corrosion, when the airtight test, watertight test, strength test, chemical test or nondestructive test can be conducted:
3. For the radiation control equipment, ventilation equipment, waste disposal equipment or measurement and control equipment, when the performance
test can be conducted:
4. When the whole construction work has been completed according to the work plan.

**Article 103 (Periodic Inspection)**

(1) The installer of disposal facility, etc. shall undergo a periodic inspection by the Commission as prescribed by the Ordinance of the Prime minister with respect to the installation and operation of the disposal facility, etc., and the storage, treatment and disposal of radioactive waste, under the provisions of Article 65 (1) of the Act.
(2) A person who wishes to undergo a periodic inspection as referred to in Paragraph (1) shall submit to the Commission an application, together with document as prescribed by the Ordinance of the Prime minister.
(3) In conducting the inspection under the provisions of Paragraph (1), if the disposal facility, etc. meets the standard falling under all of the following Subparagraphs, it shall be deemed to have passed the inspection:
   1. When the structure, equipment and performance are in conformity with the technical level referred to in Subparagraph 2 of Article 64 of the Act and Article 68 (1) 1 of the Act:
   2. When the storage, treatment and disposal of radioactive waste are in conformity with the technical level referred to in Article 68 (1) 2 of the Act.

**Article 104 (Disposal Inspection)**

(1) The installer of the disposal facility, etc., when he intends to dispose of radioactive waste under the provisions of Article 65 of the Act, shall undergo a disposal inspection as determined by the Commission.
(2) A person, who intends to undergo a disposal inspection referred to in Paragraph (1), shall file to the Commission an application for the disposal inspection, attached with document prepared in conformity with the Ordinance of the Prime minister.
(3) When the disposal of radioactive waste is found to be in conformity with the technical standard under Article 68 (1) 2 of the Act as a result of the inspection under Paragraph (1), the disposal shall be deemed to be passed.

**Article 105 (Period for Commencement of Business)**

The term “period prescribed by the Presidential Decree” in Article 66
(1) 2 of the Act means the period of two years from the date the permit is obtained.

Article 106 (Provision Applicable Mutatis Mutandis)

The provisions of Articles 25, 26 and 31 shall apply mutatis mutandis to the installer of disposal facility, etc. In this case, the “installer of nuclear power reactor” shall be deemed the “installer of disposal facility, etc.”.

Article 107 (Procedure and Method of Self-disposal of Radioactive Waste)

(1) A nuclear enterpriser under Article 71 of the Act (hereinafter referred to as a “nuclear enterpriser”) may dispose of, by means of incineration, landfill, or recycling, in accordance with Article 70 (3) of the Act, radioactive waste falling under any of the followings, which was confirmed by the Commission that the concentration by radionuclide is less than the value as determined by the Commission (hereinafter referred to as “self-disposal”):
   1. Radioactive waste produced by nuclear enterpriser;
   2. Radioactive waste of which disposal and control are entrusted by nuclear enterpriser (excluding installer of disposal facility).

(2) A nuclear enterpriser, who intends to conduct self-disposal of radioactive waste under Paragraph (1), shall file a self-disposal plan for every self-disposal, attached with related document, to the Commission as prescribed by the Ordinance of the Prime minister. The same shall apply to the case when he intends to change the self-disposal plan.

(3) Notwithstanding the former part of Paragraph (2), a nuclear enterpriser who intends to self-disposal of radioactive waste falling all item of the followings may file a self-disposal plan referred to in Paragraph (2) every five 5 years:
   1. radioactive waste which contains only single sort of radionuclide whose half-life is shorter than five 5 days;
   2. radioactive waste which meets the permissible self-disposal criteria determined and notified publicly by the Commission.

(4) The Commission shall review if the self-disposal plan filed in accordance with Paragraph (2) or (3) meet the method and procedures determined and notified publicly by the Commission and inform the nuclear enterpriser of the result thereof.

(5) The nuclear enterpriser who is informed that the self-disposal plan is acceptable under Paragraph (4) may self-dispose of radioactive waste concerned.
(6) A person, who has conducted self-disposal of radioactive waste under Paragraph (5), shall keep the record pertaining to the self-disposal of the radioactive waste for 5 years from the date of the self-disposal of radioactive waste.

**Article 108 (Report on Transport)**

(1) A nuclear enterpriser, who intends to report the transport of radioactive material, etc. under the provisions of Article 71 (1) of the Act, shall file to the Commission a report on their transport, attached with document prepared in conformity with the Ordinance of the Prime minister, whenever he transports them. Provided, that a person, who has obtained a permit for production, mobile use or sale of radioisotope, etc. under the provisions of the main sentence of Article 53 (1) of the Act, may file the report for a fixed period as prescribed by the Ordinance of the Prime minister.

(2) When the Commission, upon receiving the report under Paragraph (1), recognizes that content of the reported matter is imperfect or the transport of radioactive material is feared to be harmful to human body, object and public safety, he may ask the reporter to take corrective and supplementary measure.

(3) In a case when a person who has made a report under the provisions of Paragraph (1) wishes to change any reported matter, he shall submit to the Commission a report on change without delay.

(4) The report as referred to in Paragraph (1) shall be submitted five days before the date the transport is scheduled to commence.

**Article 109 (Report on Transport by Foreign Vessel, etc.)**

(1) Any person who intends to get any vessel or aircraft laden with radioactive material, etc. to enter into any port or airport of the Republic of Korea or to sail or fly through territorial waters or sky of the Republic of Korea under the provisions of Article 71 (2) of the Act shall file a report to the Commission thereof, together with document prescribed by the Ordinance of the Prime minister, 7 days before he intends to do so.

(2) When the Commission, upon receiving the report under Paragraph (1), recognizes that content of the reported matter is imperfect or the transport of radioactive material is feared to be harmful to human body, object and public safety, he may ask the reporter to take corrective and supplementary measure.

(3) In the event the person who has filed the report under Paragraph (1) intends to change reported matters, he shall report the change of such matter in advance to the Commission.
Article 110 (Measure, etc. in Case of Accident)

(1) “The case of leakage of radioactive material, etc., fire, or other accidents” as provided in Article 74 (2) of the Act shall mean any of the following event:
1. When the environment is likely to be contaminated or the safety of radiation worker is threatened due to a leakage or diversion of radioactive material;
2. When radioactive material is likely to be leaked due to fire on vehicle or radioactive material, etc.;
3. When radiation worker and person with frequent access are exposed to radiation beyond the radiation dose limit;
4. When the packing material brought from a foreign country fail to meet the criteria for transport as prescribed in the Act and this Decree;
5. When radioactive material is stolen or lost;
6. When the neighboring inhabitant is in need of emergency evacuation due to the leakage of radioactive material.
(2) With respect to the safety measure to be taken by a nuclear enterpriser or any person who has been entrusted with the transport of radioactive material, etc. in the event of an accident as referred to in Paragraph (1), the provisions of Article 136 shall apply mutatis mutandis.
(3) In a case when an accident as referred to in Paragraph (1) 5 or 6 occurs, it shall be reported without delay to the police agency having jurisdiction over the area.

Article 111 (Inspection of Packaging and Transport)

(1) Nuclear enterpriser or person who is entrusted thereby with packaging or transport of radioactive material, etc. as prescribed by the Ordinance of the Prime minister shall undergo a periodic inspection under Article 75 (1) of the Act as prescribed by the Ordinance of the Prime minister.
(2) Nuclear enterpriser or person who is entrusted thereby with packaging or transport of radioactive material, etc. shall undergo an inspection as provided in Article 75 (1) of the Act with respect to and upon the packaging or transport of radioactive material, etc. as prescribed by the Ordinance of the Prime minister.
(3) The Commission shall determine and publicly announce the methods, procedures, etc. for inspections of packaging or transport under Paragraph (1) or (2), and other necessary matters.
(4) A person who intends to undergo an inspection of packaging or transport under Paragraph (1) or (2) shall file an application for
inspection with the Commission, as prescribed by Ordinance of the Prime Minister. Provided, That the same shall not apply where the Commission has formulated a regular inspection plan for the pertinent year and notified the relevant business operator of the regular inspection plan. <Amended by Presidential Decree No. 24431, Mar. 23, 2013>

(5) If a nuclear enterpriser that meets all of the following requirement conducts a self-check as prescribed by the Ordinance of the Prime minister regarding matters subject to inspection as prescribed by the Ordinance of the Prime minister and the findings of such self-check pass a documentary deliberation by the Commission, such self-check shall be deemed a periodic inspection as provided in the foregoing Paragraph (1). Provided, that this shall not apply to the initial periodic inspection:

1. That the level of radioactivity of radioisotope produced or sold is less than that as prescribed by the Ordinance of the Prime minister;
2. That the enterpriser was not subject to a corrective or complementary order in the immediate former periodic inspection;
3. That a report under Article 98 (1) of the Act has not been omitted for the last three years starting from January 1 of the year in which a periodic inspection is to be conducted (only to a report concerning the inspection as prescribed by Article 75 (1) of the Act);
4. That there was no theft, loss, fire, or other accidents involving a radiation generating device or radioactive material, etc. under Article 97 of the Act for the last five years starting from January 1 of the year in which a periodic inspection is to be conducted.

(6) When the packaging and transport are found to conform to the details of a transport report submitted under Article 71 of the Act and the technical criteria provided for in Article 72 of the Act as a result of a documentary examination on the findings of the inspection under Paragraphs (1) and (2) or self-inspection under Paragraph (5), they shall be deemed to have passed the inspection.

(7) With regard to the matters subject to inspection of which the self-check findings submitted in accordance with the foregoing Paragraph (5) failed to pass a documentary deliberation, the Commission shall conduct an inspection as provided for in the foregoing Paragraph (1).

Article 112 (Design Approval of Transport Container)

(1) A nuclear enterpriser, who intends to manufacture or import container for packaging and transport of radioactive material, etc. under the former part of the main sentence in provisions of Article 76 (1) of
the Act (hereinafter referred to as the “transport container”), shall obtain approval on the design of the transport container by type (hereinafter referred to as the “design approval” in this Section) as prescribed by the Ordinance of the Prime minister. Provided, that the same shall not apply to a case where a person intends to repeatedly manufacture the transport container for which he has obtained the design approval.

(2) The term “Design Standard as provided by Presidential Decree” in the former part of the main sentence of Article 76 (1) of the Act means the design standard as each of the following Subparagraphs:

1. The radiation source or contaminated material shall not be easily leaked due to any breakage and abrasion, etc. of the transport container or any radiation injury shall not be feared to occur;

2. The design, material and structure of the transport container shall conform with the standards set and publicly notified by the Commission.

(3) The Commission, when the design of the transport container conforms with the standard referred to in Paragraph (2), shall issue a certificate of design approval to the applicant for approval as prescribed by the Ordinance of the Prime minister.

Article 113 (Inspection of Transport Container)

(1) When a nuclear enterpriser manufactures the transport container with the design approval under the main sentence of Article 77 (1) of the Act or imports the transport container manufactured abroad, he shall undergo the inspection of manufacture.

(2) A nuclear enterpriser wishing to continue using transportation containers shall undergo use-related inspection for the following every 5 years under the main sentence of Article 77 (1) of the Act. In this case, the necessary matters such as timing of use-related inspection shall be announced via public notice by the Commission:

1. B(U)-type/B(M)-type/C-type transportation container;

2. Transportation container for nuclear fissionable materials.

(3) Where a person, who intends to undergo the inspection of use, has filed a self-check report as prescribed by the Ordinance of the Prime minister, passes the documentary deliberation by the Commission, the self-check report submitted shall be deemed the inspection of use under Paragraph (2).

(4) Matter necessary for the standard for the inspection of manufacture and the inspection of use under Paragraphs (1) and (2), and the standard for documentary deliberation on the self-check report shall be prescribed
by the Ordinance of the Prime minister.
(5) When the transport container is found to be in conformity with the inspection and deliberation standard under Paragraph (4) as a result of the inspection of manufacture, the inspection of use and the documentary deliberation under Paragraphs (1) through (3), the inspection and the documentary deliberation shall be deemed to be passed.

**Article 114 (Exemption from Inspection of Transport Container)**

(1) The inspection of manufacture or the inspection of use, when it falls under any case of the following Subparagraphs, shall be exempted under the provisions of the proviso to Article 77 (1) of the Act:
1. The case where document showing the design approval as prescribed by the Ordinance of the Prime minister and the passing of the inspection of manufacture for foreign-made transport container has been submitted to, and passed the documentary deliberation by the Commission;
2. The case where document, as prescribed by the Ordinance of the Prime minister, showing the passing of the foreign inspection for use of transport container, has been submitted to, and passed documentary deliberation by the Commission.
(2) Matters necessary for exempting the inspection of manufacture or the inspection of use under Paragraph (1) shall be prescribed by the Ordinance of the Prime minister.

**Chapter VII Dosimeter Reading, Etc.**

**Article 115 (Inspection of Dosimeter Reading)**

(1) A person, who has registered his dosimeter reading service (hereinafter referred to as the “dosimeter reading service provider”) under the provisions of Article 78 (1) of the Act, shall undergo the inspection of the installation, operation and performance of his reading facility by the Commission as prescribed by the Ordinance of the Prime minister under the provisions of Article 80 (1) of the Act.
(2) The inspection referred to in Paragraph (1) shall be classified into an inspection conducted prior-to-service inspection and another inspection conducted regularly every year.
(3) Any person, who intends to undergo the inspection referred to in Paragraph (1), shall file an application, attached with document prepared
in conformity with the Ordinance of the Prime minister, to the Commission. Provided, that the application for the inspection conducted regularly every year may not be filed when the Commission works out an inspection plan for the year concerned and notifies the dosimeter reading service provider of the plan.

(4) Matter necessary for the standard, method and procedure for the inspection referred to in Paragraph (1) shall be determined and publicly notified by the Commission.

(5) When the result of the inspection under Paragraph (1) is found to be in conformity with the standard under Paragraph (4), the inspection shall be deemed to be passed.

**Article 116 (Period of Commencement of Business)**

The term “period as prescribed by the Presidential Decree” in Article 81 (1) 2 of the Act means the period of one year from the date the registration is made.

**Chapter VIII  License and Education for Nuclear–related Worker**

**Article 117 (Effect of License)**

From among the persons who have obtained licenses referred to in each Subparagraph of Article 84 (2) of the Act, person, who has obtained licenses referred to in Subparagraphs 1 and 2 of the same Paragraph, may be engaged in the operation of nuclear reactor, person, who has obtained licenses referred to in Subparagraphs 3 and 4 of the same Paragraph, may be engaged in the handling of nuclear material, and person, who has obtained licenses referred to in Subparagraphs 5 through 7 of the same Paragraph and professional engineer of radiation control who has been qualified under the National Technical Qualifications Act may be engaged in the handling of radioisotope, respectively.

**Article 118 (Qualification for Examination)**

(1) Qualification for examination of each license as referred to in Article 84 (2) of the Act shall be divided into qualification based on academic career and work experience(including the education and training of employee).

(2) Academic career and work experience as referred to in Paragraph
(1) are as shown in attached Table 5.
(3) The details and the computation method of work experience as referred to in Paragraphs (1) and (2) shall be determined and publicly notified by the Commission.

**Article 119 (Method of Examination)**

(1) The examination under the provisions of Article 87 (1) and (4) of the Act for the license referred to in Article 84 (2) 1 and 2 of the Act shall be conducted for every nuclear reactor supply, type of nuclear reactor, classification of its capacity and steam generator suppliers as specified by the Commission. The test shall be divided into written examination and practical examination. But no person shall apply for the practical examination unless he has passed written examination or is exempted from written examination.

(2) The examination for license as referred to in Article 84 (2) 3 through 7 of the Act shall be conducted by written examination.

**Article 120 (Subjects of Examination)**

Subjects of examination for each license as referred to in Article 84 (2) of the Act are as shown in attached Table 6.

**Article 121 (Exemption from Examination, etc.)**

(1) The scope of exemption from a written examination under Article 87 (2) of the Act shall be as follows:

1. A person who has obtained the license stated in Article 84 (2) 1 of the Act and who applies for a license for senior reactor operator test for the same nuclear reactor suppliers, with different types, capacities, and nuclear steam supply systems as specified by the Commission shall be exempted from subjects other than what is stated in Table 6, No.1, Item A [2) structure, materials, and design of reactor and 3) reactor operation and control];

2. A person who has obtained the license stated in Article 84 (2) 2 of the Act and who applies for a license for reactor operator test for the same nuclear reactor suppliers, with different types, capacities, and nuclear steam supply systems as specified by the Commission shall be exempted from subjects other than what is stated in Schedule 6, No.2, Item A [2) reactor facility structure and 3) reactor operation and control];

3. A person who has passed the written license test stated in Article 84
(2) 1 and 2 of the Act but failed a skills test and who applies for a senior reactor operator or reactor operator test for a license whose a nuclear reactor type, capacity grade, and nuclear steam supply system supplier are the same shall be exempted from a written test only once.

(2) In a case when any person who holds a license of medical doctor or dentist as well as a license as referred to in Article 84 (2) 7 of the Act applies for the examination for the license as referred to in Subparagraph 6 of the same Article of the Act, he shall be exempted from the subjects as referred to in sub-items 1, 2, and 4 among the subjects of examination for the special licence for the radioisotope handling as shown in attached Table 6, item 6.

(3) In a case when an applicant has obtained a license abroad which is recognized by the Commission to be equivalent to or higher than a license as prescribed in this Decree, he shall be exempted from the subjects of examination as shown in attached Table 6, except for atomic energy laws.

Article 122 (Conducting Examination)
(1) Unless there exists any special reason, the Commission shall conduct the license examination not less than once every year.
(2) When the license examination is conducted under the provisions of Paragraph (1), the date and place of examination shall be publicly notified at least thirty days before the date of the examination.

Article 123 (Criteria for Passing)
(1) Criteria for passing written examination shall be 40 marks or more obtained for each subject and average 60 marks or more for the entire subjects based on the full marks of 100 per each subject.
(2) Criteria for passing the practical examination shall be 60 marks or more based on the full marks of 100.

Article 124 (Application for License Examination)

A person who wishes to apply for the license examination as referred to in Article 87 (1) of the Act shall submit to the Commission an application containing the following matters, together with documents as prescribed by the Ordinance of the Prime minister:
1. Name, resident registration number and address;
2. Type of license to apply for;
3. Matter concerning qualification for applying;
4. Matter concerning the exemption from examination.
Article 125 (Notification, etc. of Successful Applicant)

The Commission shall under the provisions of Article 87 (4) of the Act publicly notify a list of successful applicants in the bulletin board of the agency which has conducted the examination, and notify a successful applicant individually to the effect that he has passed the examination.

Article 126 (Reissuance of Certificate of License)

Among those who have certificate of license issued pursuant to Article 88 (1) of the Act, any person who desires to have a new certificate of license issued for replacement of a certificate damaged or lost, or who desires to have a new certificate of license issued due to any change in entries shall submit to the Commission an application for reissuance which contains the following matters:

1. Name and address;
2. Date of issuance of the certificate of license and its number;
3. Reason for requesting the reissuance.

Article 127 (Member of Examination Committee)

(1) The Commission shall appoint or commission members of the examination committee each time of the examination, so that they may take charge of preparing and editing examination question, giving marks to answers, conducting, and evaluating the practical examination. Provided, that if the examination is based on an item pool, he shall appoint or commission evaluators for the selection of question and evaluation of the degree of difficulty of question.

(2) Members of the examination committee as referred to in Paragraph (1) shall be two persons or more for each subject of the written examination and for the practical examination, respectively, who shall be selected from among persons with abundant knowledge and experience in the relevant subjects.

Article 128 (Allowance)

Allowance shall be paid to members of the examination committee and evaluators as referred to in Article 127 (1) within the limit of the budget.

Chapter IX  Regulation and Supervision
Article 129 (Scope, etc. of Establishment of Exclusion Area)

(1) The scope of an exclusion area as referred to in Article 89 (3) of the Act shall be established by the Commission after consulting with the head of the relevant agency, in consideration of the topographical and other natural conditions of the land. Provided, that with respect to nuclear research reactor, facility, etc. with thermal output of not more than 10 megawatt, it is permissible not to establish an exclusion area.

(2) The site as referred to in Article 89 (5) of the Act shall be secured by the method of acquisition of ownership or creation of superficies rights. Provided, that with respect to national and public road, rail road, ditch, river, sea, forest and park shall be deemed to have been secured where any person who wishes to install and operate nuclear reactors and related facility, nuclear fuel cycle facility or disposal facility, etc. may exercise the control over access and traffic to them and where the Commission deems that there is no hazard to safety in the operation of the relevant facility.

Article 130 (Limit of Restricting Installation of Harmful Facility and Facility Subject to Restriction)

(1) The term "limit prescribed by the Presidential Decree" in Article 90 (1) of the Act means the scope of up to 8Km radius from the center of nuclear reactor and related facility, nuclear fuel cycle facility or disposal facility, etc.. Provided, that in case of facility referred to in Subparagraph 1 of Paragraph (2), it means the scope of up to 16Km radius.

(2) In accordance with the provisions of Article 90 (2) of the Act, the head of an administrative agency concerned, when he intends to permit, authorize or approve the installation each of the following facility, shall consult with the Commission:
1. Airports as provided under Subparagraph 3 of Article 2 of the Aviation Act;
2. Artillery firing range and missile base under the Protection of Military Bases and Installations Act(limited to the business pursuant to Subparagraph 2 (a) of Article 2 of the Act on National Defense and Military Installations Projects);

<Amended by Act No. 23529, Jan. 25, 2012>
3. Dam and estuary dyke from among facility attached to river under the provisions of Subparagraph 3 of Article 2 of the River Act;
4. Other facilities which are deemed to be feared to cause a serious trouble to the safety of nuclear reactor and related facility, nuclear fuel cycle facility or disposal facility, etc. by means of explosion, vibration and the discharge of poisonous material, and are publicly notified by the Commission after consulting with heads of administrative agency concerned.

**Article 131 (Measurement)**

(1) A nuclear enterpriser (excluding notified users; hereinafter the same shall apply in this Article, Articles 132, 133, 148, and 148–3) shall conduct the measurement of radiation dose and contamination by radioactive material, etc. under the provisions of Article 91 (1) 1. of the Act with respect to place as prescribed by the Ordinance of the Prime minister where radiation injury is likely to occur.

(2) Under the provisions of Article 91 (1) 1 of the Act, a nuclear enterpriser shall conduct the measurement of personal dose and contamination by radioactive material in respect of person who has accessed to nuclear power utilization facility in accordance with the Ordinance of the Prime minister. <Amended by Act No. 24689, Aug. 16, 2013>

(3) A nuclear enterpriser shall make record, keep such record in respect of the result of the measurement as referred to in Paragraphs (1) and (2), and take other actions as prescribed by the Ordinance of the Prime minister.

**Article 132 (Medical Checkup)**

(1) Nuclear energy–related business operators shall ensure that its radiation workers undergo regular health examinations, as prescribed by the Prime Minister’s Decree, pursuant to Article 91 (1) 2 of the Act.

(2) A nuclear enterpriser shall make record and keep such record in respect of the result of medical checkup under Paragraph (1) and take other actions as prescribed by the Ordinance of the Prime minister.

**Article 133 (Exposure Control)**

(1) Any nuclear enterpriser shall assess the exposed dose and control the exposure for radiation worker and other persons with frequent access in order to keep the personal dose from exceeding the dose limit as prescribed by the Ordinance of the Prime minister under Article 91 (1) 3 of the Act and Article 91 (2) of the Act.

(2) The term “person with frequent access prescribed by the
President Decree” in Article 91 (2) of the Act means the person with frequent access referred to in Subparagraph 8 of Article 2 and the “dose limit as prescribed by the Presidential Decree” means the dose limit referred to in Subparagraph 4 of Article 2, respectively.

Article 134 (Measure for Reduction of Exposure)

Under the Article 91 (1) 4 of the Act, any nuclear enterpriser shall take measure falling under each of the following Subparagraphs as prescribed by the Commission in order to minimize the personal dose to be suffered by radiation worker in nuclear power utilization facility, person with frequent access and resident in the vicinity of the facility under the state of normal operation of nuclear power utilization facility as well as the abnormal state (excluding any accidents) of the operation of them:
1. Protective measure in conformity with the characteristic of the radiation work;
2. The proper layout of radiation shield and other facilities;
3. The use of material and apparatus which have the effect of reducing the dose;
4. The maintenance of sufficient work space.

Article 135 (Measure for Victims to Radiation Injury)

Any nuclear enterpriser shall take measure falling under each of the following Subparagraphs under the provisions of Article 91 (3) of the Act:
1. When radiation worker and other persons with frequent access suffer radiation injury or are likely to suffer it, any nuclear enterpriser shall promptly take necessary health measure for them, including having them diagnosed by doctors. He shall also take necessary measure, including reducing the access hours, declaring off-limits to the radiation control area or transferring his employee to another work which is less feared to have them exposed to the radiation according to the degree of the radiation injury;
2. When person, who has temporary access to radiation control area, suffers radiation injury or is expected to suffer it, any nuclear enterpriser shall promptly take necessary health measure including having them diagnosed by doctors.

Article 136 (Protective Measure Against Radiation Injury and Report)

(1) Safety measure to be taken by a nuclear enterpriser under
provisions of Article 92 (1) of the Act shall be as follows:

1. When the safety of nuclear power utilization facility is threatened or radiation worker is exposed to danger when he carry out his duty related to the safety of operation, due to disaster including but not limited to earthquake, fire, flood, hurricane and leakage of harmful gas, the cause shall be removed and measure to prevent the damage from being increased shall be taken;

2. When the safety of nuclear power utilization facility is threatened by the breakdown, etc. of the nuclear power utilization facility, the cause of the breakdown shall be removed to put the facility back to normal operation. Provided, that in the case where it is impossible to put the facility back to the normal operation, measure shall be taken to prevent the breakdown from spreading;

3. When radioactive material is abnormally leaked, raising the concentration of air and water in the facility boundary (meaning the exclusion area boundary if the boundary is established) beyond the limit of the discharge standard set by the Commission or radiation worker or person with frequent access is exposed to the radiation in excess of the dose limit, measures falling under each of the following item shall be taken:
   (a) Person inside the nuclear power utilization facility and the exclusion area or person near them shall be warned to evacuate;
   (b) For any person who has sustained or is likely to sustain any radiation injury, such emergency measure as its rescue or evacuation shall be taken;
   (c) In a case where contamination due to radioactive material has occurred, the spreading of contamination shall be prevented and the contamination shall be removed;
   (d) In a case where there is sufficient time to move radioactive material to other places, they shall be moved to a safe area, and mark as determined by the Ordinance of the Prime minister shall be posted, and people other than the authorized person concerned shall be prohibited from having access thereto or nearing it;
   (e) In case of the emergency radiation work, the radiation dose of employee engaged in the emergency work shall be prevented from exceeding the standard limit of personal dose as determined by the Commission by using proper protective gear and reducing radiation exposure time, etc.;

(2) When a nuclear power enterpriser has taken the safety measure as referred to in Paragraph (1), he shall report the matter falling under all of the following Subparagraphs to the Commission as determined by the Commission:
1. Date, location and cause related to the occurrence of the situation as referred to in Article 92 (1) of the Act;
2. Status of radiation injury which has occurred or is likely to occur;
3. Content of and plan for the safety measure.
(3) The Commission may conduct a professional education and training in radiation emergency rescue for person concerned with such radiation emergency rescue who perform emergency measure in accordance with Subparagraph 3 (b) of Paragraph (1) according to what is prescribed and notified by the Commission.

Article 137 (Action after Revocation of Permit, etc. or Discontinuation of Business)

(1) Action that a nuclear enterpriser shall take after revocation of the permit, etc. as referred to in Article 95 (1) of the Act shall be as follows:
1. Radioactive material or radiation generating device held by a nuclear enterpriser shall be transferred to other nuclear enterpriser;
2. Contamination caused by radioactive material shall be removed;
3. Materials contaminated by radioactive material shall be transferred to the installer of disposal facility, etc.;
4. Records prescribed by the Prime Minister’s Decree shall be delivered to the Safety Foundation.
(2) A nuclear enterpriser whose permit or designation has been revoked or who has discontinued the business or the use (including discontinuation due to death or dissolution) under the provisions of Article 95 (1) of the Act shall submit the report to the Commission as prescribed by the Ordinance of the Prime minister.

Article 138 (Person Subject to Report and Submission of Document)

The term “person prescribed by the Presidential Decree” in Article 98 (1) of the Act means the person falling under each of the following Subparagraph:
1. Person who deals in goods designated by the Commission from the internationally controlled materials under Subparagraph 17 of Article 2 of the Act;
2. Person who carries out research and development activities related to the process of nuclear fuel cycle or the development of systems prescribed by the Commission.

Article 139 (Qualification of Inspector)
A public official who performs the inspection under the provisions of Article 98 of the Act shall have considerable knowledge and experience in the structure and performance of nuclear power utilization facility, etc., the security, and prevention of radiation injury.

**Article 140** (Certificate of Collection)

In a case when a public official who performs the inspection under the provisions of Article 98 (2) of the Act has received samples, he shall deliver the certificate of collection to a nuclear enterpriser.

**Article 141** (Installation, etc. of Monitoring Device)

Under the provisions of Article 98 (6) of the Act, the Commission may install device necessary to monitor any movement of internationally controlled material inside the related facility of any nuclear power reactor operator or may request him to submit other necessary material. Provided, that in a case where the International Atomic Energy Agency has installed monitoring device to monitor any movement of internationally controlled materials, such device may not be installed.

**Article 142** (Identification Card of Inspector)

A public official who performs the inspection under the Article 98 (7) of the Act shall show an identification card indicating his authority to the person concerned as prescribed by the Ordinance of the Prime minister.

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**Chapter X Supplementary Provisions**

**Article 143** (Submission of Draft Radiation Environmental Report, Public Announcement and Public Inspection, etc.)

(1) Where an enterpriser intends to collect residents' opinions pursuant to Article 103 (1), (2) and (4) of the Act, he shall submit a draft of radiation environmental assessment report (hereinafter referred to as the "Draft of Assessment Report") to the head of administrative agency falling under each of the following Subparagraphs under the provisions of Article 103 (3) of the Act:
1. The Chairman of the Commission;
2. The Governor of a Special Self-Governing Province, of the head of a Si, Gun or Gu (referred to as the “head of autonomous district” hereinafter the same shall apply) who has jurisdiction over the area prescribed by the Commission (hereinafter referred to as the “opinions collection area”). Provided, however, that where the opinions collection area spans the administrative area of not less than 2 Special Self-Governing Provinces, Sis, Guns or Gus (hereinafter referred to as the “autonomous district”) who has jurisdiction over an area which covers the largest opinions collection area;

3. The Governors of the Special Self-Governing Provinces, or the head of the Sis, Guns or Gus other than those who have jurisdiction over the opinions collection area under Subparagraph 2;
4. Other heads of administrative agencies who are related to the execution of the target business.

(2) The Governor of a Special Self-Governing Province, of the head of a Si, Gun or Gu referred to in Paragraph (1) 2 (hereinafter referred to as the “competent head of Si, Gun or Gu”) shall, unless there exists any special cause, announce publicly an outline of business, inspection period and place, etc. in not less than one national daily newspaper and one local daily newspaper at least once, respectively, within 10 days from the date of receipt of a draft radiation environmental report pursuant to Paragraph (1) and shall offer the draft report to the public inspection by inhabitants within the opinions collection area for a period of at least 20 to 60 days.

(3) Where the competent head of Si, Gun or Gu desires to make a public announcement referred to in Paragraph (2), he shall seek opinions in advance from the Governors of the Special Self-Governing Provinces, or the head of the Sis, Guns or Gus referred to in Paragraph (1) 3 (hereinafter referred to as “head of the relevant Si, Gun or Gu”) and determine the contents. Provided, that he shall ensure that the inspection place from among matters to be publicly announced contains not less than a place in the jurisdiction of the head of the relevant Si, Gun or Gu.

(4) Where the competent head of Si, Gun or Gu makes a public announcement referred to in Paragraph (2), he shall announce publicly the time and method of presenting opinions by inhabitants about whether or not a public hearing will be held.

Article 144 (Presentation, etc. of Opinions on Draft Radiation Environmental Report or Draft Decommissioning Plans)

(1) Any head of the administrative agency referred to in Article 143 (1) 1, 3 and 4, to the competent head of Si, Gun or Gu within 30 days from
the date of receipt of a draft radiation environmental report or draft decommissioning plans, and any inhabitant, to the competent head of Si, Gun or Gu or the relevant Si, Gun or Gu within 7 days from the date of expiry of public inspection, may notify or present the following opinions. In this case, the relevant head of Si, Gun or Gu who has received the inhabitants' opinions shall notify them to the competent head of Si, Gun or Gu within 10 days after the expiry of public inspection:
1. Where a draft assessment report is submitted: Opinions on the potential radiological environmental impacts from the implementation of the relevant project, measures for reduction thereof, etc. (where opinions are submitted by a resident, including an opinion on whether a public hearing is to be held);
2. Where a draft decommissioning plan is submitted: Opinions on the potential radiological impacts from decommissioning, measures for reduction thereof, etc. (where opinions are submitted by a resident, including an opinion on whether a public hearing is to be held).

(2) The competent head of Si, Gun or Gu shall notify the enterpriser of the opinions notified or presented pursuant to Paragraph (1) and whether a public hearing will be held within 14 days after the expiry of public inspection. In this case, the competent head of Si, Gun or Gu may notify them together with his opinion on the draft radiation environmental report or draft decommissioning plans, if any.

Article 145 (Holding, etc. of Public Hearings)

(1) For the purpose of the latter part of Article 103 (1) of the Act or the latter part of Paragraph (2) of the same Article, the public hearing shall be held by falling under each of the following Subparagraphs:
1. When there are no less than 30 inhabitants who have presented opinions that a public hearing needs to be held pursuant to Article 144 (1);
2. When the number of inhabitants who have presented opinions that a public hearing needs to be held pursuant to Article 144 (1) is not less than 5 and less than 30, and is not less than 50/100 of the number of total inhabitants who have presented draft radiation environmental report or draft decommissioning plans.
(2) Any enterpriser who meets any of requirements listed in Paragraph (1) and has received the notification of holding a public hearing from the competent head of Si, Gun or Gu under Article 144 (2) shall announce publicly an outline of business, the date and place, etc. of public hearing in not less than one national daily newspaper and one local daily newspaper at least once, respectively, 14 days in advance of the
scheduled date of holding a public hearing. In this case, he shall consult in advance with the competent head of Si, Gun or Gu about the date and place of the public hearing to be held.

(3) Any inhabitant who desires to attend a public hearing and state his opinion shall submit an application for statement to the enterpriser or the competent head of Si, Gun or Gu 5 days in advance of the scheduled date of holding a public hearing. In this case, the competent head of Si, Gun or Gu who receives the application for statement shall notify it without delay to the enterpriser.

(4) The enterpriser shall, in consultation with the competent head of Si, Gun or Gu, select a representative and have him make a statement en bloc at a public hearing about the similar matters from among the contents stated in the application presented pursuant to Paragraph (3), or shall have any expert recommended by inhabitants state opinion.

(5) An enterpriser may forego a public hearing, for an unavoidable reason for which the enterpriser cannot hold accountable, if a public hearing publicly announced in accordance with the foregoing Paragraph (2) is cancelled twice or if the public hearing cannot be proceeded normally twice. In this case, the enterpriser shall make a public announcement of the reason for failure to hold such public hearing as well as the due date and means of submission of opinions that were to be expressed during the public hearing, by applying Paragraph (2) mutatis mutandis. The enterpriser shall also endeavor to hear public opinions by other means.

(6) The enterpriser shall notify the result of holding a public hearing to the competent head of Si, Gun or Gu or the relevant head of Si, Gun or Gu within 7 days after the completion of a public hearing under the conditions as determined by the Ordinance of the Prime minister.

(7) In case where the requirements for holding a public hearing listed in any of Paragraph (1) are not met, if it is necessary to collect experts' and inhabitants' opinions about radiation environmental impact due to the execution of the business or radiological impacts from decommissioning, enterpriser may hold a hearing referred to in the former part of Article 103 (1) of the Act or the former part of Paragraph (2) of the same Article in consultation with the competent head of Si, Gun or Gu after the expiry of inspection period referred to in Article 143 (2). In this case, the public hearing shall be deemed a public hearing held pursuant to the latter part of Article 103 (1) of the Act or the latter part of Paragraph (2) of the same Article, and the provisions of Paragraphs (2) through (4) and Paragraph (6) shall apply mutatis mutandis to the methods and procedures of holding it, respectively.

**Article 146** (Bearing of Expense)
(1) For the purpose of Article 103 (5) of the Act, the term “cost prescribed by the Presidential Decree” means any of the following expense:
1. Expense for public notification in newspapers referred to in Articles 143 (2) and 145 (2);
2. Expense required for holding public hearings, etc. to collect inhabitants’ opinions.
(2) The competent head of city/county/district shall consult in advance with the enterpriser about the details of required expense referred to in Paragraph (1).

**Article 146–2** (Information Subject to Positive Disclosure and Methods of Disclosure)

(1) “Information prescribed by Presidential Decree, such as the results of evaluation concerning construction permits for and operating licenses of nuclear energy utilization facilities and the inspection findings of nuclear safety management” in the main sentence of Article 103–2 (1) of the Act shall mean the following:
1. Documents submitted when filing an application for a construction permit for a nuclear power reactor and other relevant facilities pursuant to Article 10 (2) of the Act;
2. Documents submitted when filing an application for an operation license of a nuclear power reactor and other relevant facilities pursuant to Article 20 (2) of the Act;
3. Periodic safety review reports submitted where continuous operation is intended pursuant to Article 23 (1) of the Act and Article 36 (4) of this Decree, and matters concerning the assessments as provided in Article 37 (2) of this Decree;
4. Examination reports concerning the construction permits for and operation licenses of reactor facilities under Articles 20 and 33 (3);
5. Results of pre-service inspections of the construction and performance of nuclear reactor facilities conducted pursuant to Article 27;
6. Results of inspections of suppliers and performance testing institutes conducted pursuant to Article 31–2;
7. Results of regular inspections of the performance of reactor facilities conducted pursuant to Article 35 (1);
8. Other nuclear safety–related information that is determined and publicly announced by the Commission as requiring full disclosure.
(2) Where the information provided in Paragraph (1) contains any information provided under any of the Subparagraphs of Article 9 (1) of
the Official Information Disclosure Act, the Commission shall exclude such information from disclosure as provided under Article 103-2 (1) of the Act, as prescribed in Article 14 of the same Act.
(3) The Commission shall disclose the information provided in the Subparagraphs of paragraph (1) by posting it on its website.
(4) The Commission shall determine and publicly announce the methods and time of disclosing information pursuant to Paragraphs (1) through (3) and other related matters.

**Article 147 (Monitoring of Nationwide Environmental Radioactivity)**

The Commission shall perform the affair falling under each of the following Subparagraphs to monitor and assess the nationwide environmental radiation and radioactivity under the provisions of Article 105 (1) of the Act:
1. The survey and assessment of nationwide environmental radioactivity;
2. The survey and assessment of the maritime environmental radioactivity;
3. The operation of a nationwide automatic monitoring network for environmental radiation.

**Article 148 (Training of Radiation Workers and Persons with Frequent Access)**

(1) A nuclear energy-related business operator shall implement introductory training and regular training for radiation workers as prescribed in Article 106 (1) of the Act. In such cases, the introductory training shall be implemented before the radiation workers set to work.
(2) The training provided in Paragraph (1) shall be implemented as basic training and in-house training. In such cases, the in-house training shall be provided for radiation workers other than radiation safety managers.
(3) A nuclear energy-related business operator may implement basic training or in-house training for persons with frequent access.
(4) The basic training provided in Paragraphs (2) and (3) shall be provided at the Safety Foundation, and the in-house training shall be autonomously implemented by each nuclear energy-related business operator, but it may be outsourced to an institution determined and announced by the Commission.
(5) Courses and hours of training provided in Paragraphs (1) through (3) and other necessary matters shall be prescribed by Ordinance of the Prime Minister.
(6) A person who has undergone the refresher training provided for in Article 149 (1) shall be deemed to have undergone the regular training.
provided in Paragraph (1) in the relevant year.

**Article 148-2 (Submission of Education Plan)**

(1) The Safety Foundation shall submit a basic training plan for the following year, including the following matters, to the Commission no later than November 30 of each year, and obtain approval from the Commission:
   1. Information on the annual education schedule, education courses, educational targets and subjects, and the duration of each course;
   2. Information on budgets and balancing account (for education and training courses only);
   3. Status and expansion plan of the lecturers, and education facilities and equipment;
   4. Information on the cost of the education and educational materials;
   5. Methods of assessing the education, and actions pursuant to the assessment results.

(2) Where the Safety Foundation fails to properly implement the training plan approved pursuant to Paragraph (1), the Commission may require the Safety Foundation to make an improvement or supplementation.

(3) The Safety Foundation shall report the outcomes of the conduct of the training to the Commission by no later than January 31 of the following year.

(4) Deleted.

[This Article Newly Inserted by Act No. 24689, Aug. 16, 2013]

**Article 148-3 (Education of Workers Accessing Radiation Control Zone)**

Every nuclear energy–related business operator shall provide the necessary training for persons who are required to enter a radiation controlled area pursuant to Article 106 (1) of the Act by informing them of the safety rules on the prevention of radiation hazards whenever they access the radiation controlled area. Provided, however, that radiation workers or persons with frequent access who have undergone the training provided in Article 148 may be excluded from such.

**Article 149 (Refresher Education and Training)**

(1) Any licence holders for operation of nuclear power reactor or a research reactor with not less than 10 megawatt thermal output from among licenses referred to in Article 84 (2) 1 and 2 of the Act and other license holders under the provisions of Article 84 (2) 3 through 7
of the Act who are engaged in the handling of nuclear fuel material or radioisotope, etc. shall receive the refresher education and training every three years (It refers to a period between January 1 and December 31 of the third year from the date of acquiring the license or the day immediately before receiving continuing education.) in accordance with the Ordinance of the Prime Ministerial under the provisions of Article 106 (2) of the Act.
(2) Deleted.
(3) Deleted.
(4) A nuclear enterpriser shall provide any assistance and convenience which his employee who has obtained a license as referred to in Article 84 (2) of the Act need to undergo the retraining as referred to in Paragraphs (1) among his employees and shall not lower their wages or take measures unfavorable to them for this reason.
(5) The Commission shall confirm in the license pocketbook for any person who has completed the refresher education and training course as referred to in Paragraph (1) to the effect that he has duly completed the refresher education.
(6) A person who needs to receive refresher education referred to in paragraph (1) shall be deemed to have received the refresher education specified respectively if he/she falls under any of the following:
1. A person who has received all the licenses referred to in Article 84 (2) 1 and 2 of the Act in relation to the nuclear reactor types and capacity and the nuclear reactors for which the supplier of the nuclear steam supply systems is identical receives the refresher education in relation to the license prescribed in Article 84 (2) 1 of the Act: Refresher education in relation to the license prescribed in Article 84 (2) 2 of the Act;
2. A person who has received all the licenses prescribed in Article 84 (2) 3 and 4 of the Act receives refresher education in relation to the license referred to in Article 84 (2) 3 of the Act: Refresher education in relation to the license prescribed in Article 84 (2) 4 of the Act;
3. A person who has received two or more different licenses among the licenses prescribed in Article 84 (2) 5 through 7 of the Act receives refresher education in relation to the license prescribed in Article 84 (2) 6 or 7 of the Act: Refresher education in relation to all other licenses.

**Article 150** (Nuclear Control Trainee)

The term “persons prescribed by the Presidential Decree” in Article 106 (3) of the Act shall mean any of the following persons:
1. Employee of any of the following nuclear enterpriser, who performs accounting and control of specific nuclear material:
   (a) Installer of a nuclear power reactor;
   (b) Operator of a nuclear power reactor;
   (c) Installer of a nuclear research reactor, etc. and operator of a nuclear research reactor, etc;
   (d) Nuclear fuel cycle enterpriser;
   (e) Nuclear fuel material user;
2. Project manager of the research and development related with nuclear fuel cycle processes or system development as determined by the Commission.

**Article 151** (Procedure for Export and Import)

(1) Any person who intends to export and import internationally controlled material or technology among persons who intend to export and import nuclear reactor and related facility, nuclear material and radioisotope, etc. shall follow procedure and mandatory matter provided for in international convention, agreement, treaty and protocol, etc. that are concerned with atomic energy in accordance with Article 107 of the Act.

(2) Matters necessary to implement the procedure and mandatory matter referred to in Paragraph (1) may be prescribed separately by that the Commission consults with the Minister of Ministry of Trade, Industry and Energy.

**Article 151-2** (Designation etc. of Institutions Specializing in International Cooperation)

The Commission shall designate the Safety Foundation as an institution with the remit of providing specialized support for policies on international cooperation pursuant to Article 107-2 (2) of the Act.

**Article 152** (Compensation)

Under the provisions of Article 110 of the Act, compensation as classified in the following shall be paid to person who has suffered personal injury or damage to the property caused by the radiation during utilization of nuclear energy or safety control:

1. Compensation for the damage to a nuclear enterpriser and his employee caused during the performance of his duty shall be based upon the compensation standard established by each nuclear enterpriser and approved by the Commission:
2. Compensation for the damage public official has sustained during the performance of his duty related to nuclear energy shall be based upon the Act on Accident Compensation for Public Officials;
3. With respect to persons other than those as referred to in Subparagraphs 1 and 2, the provisions of the Nuclear Liability Act shall apply.

Article 152-2 (Payment of Monetary Reward)

(1) The monetary reward stated in Article 110-2 (1) of the Act shall be set and announced via public notice by the Committee as up to 1 billion won per person per year considering the level of contribution to nuclear energy safety.
(2) The Committee may operate a monetary reward deliberation subcommittee for the deliberation of matters concerning the payment of prize money.
(3) The monetary reward may be reduced or may not be paid in any of the following cases:
1. A previously reported matter;
2. A matter already disclosed through the Internet or mass media or which is being investigated by the police or which is pending in the court;
3. A matter concerning which prize money has already been paid, or a step for payment is being taken under another law or regulation;
4. A matter wherein the person reporting or providing information is directly involved in a violation or has the obligation to report or provide information;
5. A matter concerning which the prize money deliberation subcommittee has decided to reduce or not to pay the prize money.
(4) The Committee shall determine and announce via public notice matters concerning the payment of monetary reward other than what is stated in Paragraph (1) through (3) above.

Article 153 (Classification, etc. of Institution Delegated with Authority)

(1) The institution to which the Commission may delegate his authority under the provisions of Article 111 (1) of the Act shall be as follows:
1. The Korea Institute of Nuclear Safety established under the Korea Institute of Nuclear Safety Act (hereinafter referred to as "Korea Institute of Nuclear Safety");
2. The Korea Atomic Energy Research Institute established in accordance with the Act on Establishment, Operation and Fosterage of the
Government-sponsored Research Institute, etc. in the Field of Science and Technology (hereinafter referred to as “Korea Atomic Energy Research Institute”);

3. The Korea Institute of Nuclear Nonproliferation and Control established in accordance with the Article 6 of the Act (hereinafter referred to as “Korea Institute of Nuclear Nonproliferation and Control”);

4. The Safety Foundation;

5. the Commission designates the agency as prediscribed under each of following:
   (a) Administrative agencies;
   (b) National and public research institutions;
   (c) Specific research institutions under Article 2 of the Specific Research Institutes Support Act;
   (d) Nondestructive Test Association established under Article 18 of the Act on the Promotion and Management of Non-Destructive Testing Technology;
   (e) Association established under Article 14 of the Radiation and Radioisotope Use Promotion Act;
   (f) Relevant specialized institutions established under Article 32 of the Civil Act;

6. Deleted.

(2) The provisions of Articles 159 through 163, 165 and 166 shall not apply to administrative agencies designated by the Commission under Subparagraph 5 (a) of Paragraph (1).

Article 154 (Business that may be Entrusted)

(1) The term “affairs prescribed by the Presidential Decree” in Article 111 (1) 15 of the Act means the business falling under each of the following Subparagraphs:
1. Survey and analysis of technological trend related with formulation of a research and development project plan and forecast of technological demand in accordance with Article 9 (1) of the Act;
2. Matters related with receipt, review and assessment of research task on selection of annual research task as provided in Article 9 (1) of the Act;
3. Matters related with conclusion of agreement, progress management, result assessment, and post-management of a research task related with implementation of research and development project as provided in Article 9 (1) of the Act;
4. Affairs related with management and operation of the fund in accordance with Article 9 (2) of the Act;
4–2. Safety inspection associated with the permit for operation of a nuclear reactor for research and relevant facilities stipulated in the former and latter parts of Article 30–2 (1) of the Act;

4–3. Business of reporting the daily work volume stipulated in Article 59–2 (6) of the Act;

5. Affairs related with safety management of the disposal of radioactive waste except for the radioactive waste prescribed as Article 70 (2) of the Act;

6. Affairs related with measure for dealing with any accident occurring in the course of transport under Article 74 of the Act;

7. Affairs related with safety review of installation of hazardous facility under Article 90 of the Act;

8. Affairs related with report of the progress of the transport of radioactive material, etc. by any nuclear enterpriser(excluding any notified user) or by any other person entrusted by him under Article 98 (1) of the Act;

9. Affairs related with inspection and collection of sample under Article 98 (2) and (4) of the Act;

10. Installation of equipment to monitor the movement of internationally controlled material in accordance with Article 98 (6) of the Act;

11. Affairs related with export and import in accordance with Article 107 of the Act;

12. Affairs related with research and development of the standard necessary for performing affairs prescribed by this Act except for the standards under Article 111 (1) 3 of the Act.

13. Duties concerning the imposition and collection of the nuclear safety management dues provided in Article 111–2 (1) of the Act(thereinafter referred to as “dues”):


(2) Affairs to be entrusted to the Korea Institute of Nuclear Safety under the provisions of Article 153 (1) 1 are as shown in the attached Table 7.

(3) Affairs to be entrusted to the Korea Atomic Energy Research Institute under Article 153 (1) 2 are as shown in the attached Table 8.

(4) Affairs to be entrusted to the Korea Institute of Nuclear Nonproliferation and Control of Article 153 (1) 3 are as shown in the attached Table 9.

(5) Duties that can be entrusted to the Safety Foundation referred to in Article 153 (1) 4 are as specified in attached Table 9–2.

(6) Affairs to be entrusted to the administrative agency, national and public research institute, specific research institute, Nondestructive Test Association, Association and specialized institution designated by the Commission under Article 153 (1) 5 are as shown in the attached Table
10.

**Article 155** (Approval, etc. of Guidelines for Performing Entrusted Duty)

(1) The entrusted institution shall establish the guidelines for performing entrusted duty in accordance with Article 111 (1) of the Act (hereinafter referred to as the “entrusted institution”) containing matter falling under each of the following Subparagraphs, and obtain the approval from the Commission. The same shall also apply to the case where it wishes to change such guidelines:
   1. Kind of entrusted duty to be handled;
   2. Working hours when entrusted duty is performed and holiday;
   3. Location where entrusted duty is handled;
   4. Appointment, dismissal and assignment of person performing entrusted duty;
   5. The method of performing entrusted duty;
   6. Activity for entrusted duty and the method thereof;
   7. Deleted;
   8. The preservation of records in connection with the entrusted duty;
   9. Other necessary matters concerning the performing of entrusted duty.

(2) In a case when the entrusted institution changes the guidelines for performing entrusted duty as referred to in the latter part of Paragraph (1), it shall submit to the Commission an application for the change containing a statement of matter falling under all of the following Subparagraphs:
   1. Matter to be change;
   2. Expected date of change;
   3. Reason for change.

**Article 155–2** (Handling Sensitive Information and Unique Identification Information)

The Commission (including the party entrusted with the Commission’s rights under Article 111 of the Act, dosimeter reading service provider, and institution designated and publicly notified by the Commission under Article 148) or nuclear enterpriser may handle health data (only in relation to the duties provided in Subparagraph 3) as provided in Article 23 of the Personal Information Protection Act, information that corresponds to the criminal history record as provided in Subparagraph 2 of Article 18 of the Enforcement Decree of the same Act (only in relation to the duties provided in Subparagraphs 1, 2 and 4), or data that contain resident registration numbers, passport numbers or alien registration numbers as provided in
Subparagraphs 1, 2, or 4 of Article 19 of the same Enforcement Decree, if inevitable to perform the following duties:

1. Duties concerning cancellation of authorization, permits, designation, registration and licenses, and orders to prohibit the use under Subparagraph 4 of Article 13, Articles 17 (1) 5, 24 (1) 4, 32 (1) 4, 38 (1) 4, 48 (1) 3, 52 (6) 3, 57 (1) 4, 66 (1) 4, 81 (1) 5, and 86 (1) 2 of the Act:

2. Duties concerning inquiries about the causes for disqualification under Article 14 of the Act (including where such provisions shall apply mutatis mutandis under Articles 12 (8), 20 (3), 30 (3), 30-2 (3), 35 (5), 45 (3), 52 (5), 53 (4), 54 (4), 63 (3), and 78 (4) of the Act) and Article 85 of the Act:

2-2. Business concerning reporting the succession of position in accordance with Article 19 of the Act (including cases to which articles 29, 34, 44, 51, 61, 69 and 83 of the Act apply mutatis mutandis);

3. Business concerning measure taken to prevent radiation damage under Article 91 of the Act;

4. Duties to confirm whether applicable under the proviso to Subparagraph 6 of Article 94 of the Act;


**Article 156 (Standards for Calculation of Dues)**

(1) The standards for the calculation of dues to be imposed on each nuclear energy-related business operator etc. (hereinafter referred to as “nuclear energy-related business operator etc.”) under Article 111-2 (1) of the Act shall be as specified in attached Table 10-2.

(2) Notwithstanding paragraph (1), the amount of dues imposed in relation to the following affairs shall be as specified in attached Table 10-3:

1. Affairs related to managing records and reports on radiation exposure read by dosimeter reading service providers under Article 98 (1) of the Act;

2. Affairs related to the implementation of refresher training under Article 106 (2) of the Act;

3. Affairs related to importation and exportation under Article 107 of the Act.

(3) The Commission shall publicly announce the amount of charges for the relevant year calculated pursuant to Paragraph (1) and the details of calculation by no later than January 31 of the following year.

(4) The Commission shall consult with the Minister of Trade, Industry and Energy prior to revising the standards for calculation of charges
provided for in Paragraph (1).

**Article 156-2** (Methods, Time, etc. of Payment of Dues)

(1) To collect dues, the Commission shall issue each nuclear energy–related business operator etc. with a payment notice that states the amount, details of calculation, payment deadline, and locations at which to make the payment.

(2) Every nuclear energy–related business operator, etc. shall pay dues by the specified payment deadline, choosing any of the following methods:

1. Payment in 12 equal installments: By the end of each month of the following year;

2. Payment in 4 equal installments: By January 31, April 30, July 31, and October 31 of the following year.

(3) Notwithstanding Paragraph (2), charges imposed in relation to the following affairs shall be paid at the due time or by the date specified in each Item:

1. Dues imposed in relation to a safety examination conducted for the licensing and modification of licensed matters under the former and the latter part of Article 53 (1) of the Act, and the receipt of reports on the modification of licensed matters under the proviso to paragraph (1) of the same Article and the receipt of reports under paragraph (2) of the same Article: At the time of filing an application for a license or a report;

2. Dues imposed in relation to the affairs provided for in Article 156 (2) 1: By no later than April 30 of the following year;

3. Dues imposed in relation to the affairs provided in Article 156 (2) 2: As selected by the nuclear energy–related business operator etc. between the following:

   (a) At the time of filing an application for education; or

   (b) By no later than June 30 of the year in which refresher training is conducted (or by no later than December 31 of the relevant year where the refresher training starts on or after July 1);

4. Dues imposed in relation to the affairs provided in Article 156 (2) 3: At the time of filing an import or export declaration: Provided, however, that where the average number of import and export declarations filed in one month as of the end of the previous year is not less than five, the dues may be paid in a lump sum by no later than the fifth day of the following month, by aggregating them on a monthly basis.

(4) Charges may be paid by cash, credit card, or debit card, etc.
(5) Where any discrepancy occurs in relation to the amount of charges paid by a nuclear energy-related business operator, etc. due to a change or revocation, etc. of the relevant affairs, the Commission shall calculate the charges as determined and publicly announced by the Commission and collect them additionally or refund them.

**Article 157 (Designation, etc. of Entrusted Institution)**

(1) The entrustment of authority to the entrusted institution as referred to in Article 153 (1) 5 shall become effective on the date on which it is publicly notified in the Official Gazette under Article 170.

(2) A person who wishes to be designated as the entrusted institution under Article 153 (1) 5 shall submit to the Commission an application containing a statement of matters falling under each of the following Subparagraphs, together with document as prescribed by the Ordinance of the Prime minister:

1. Title, address and name of representative;
2. Title of the office where entrusted duties are performed and location of the office;
3. Title of duty to be entrusted and location of the office;
4. Expected date of the commencement of entrusted duty;
5. Business plan and budget of revenue and expenditure for the year of commencement of the project and the following year in connection with the entrusted duty;
6. Name and brief personal record of executive officer (limited to the case when the person who wishes to be entrusted is the excepted one of the administrative agency);
7. List of names of persons performing entrusted duty (name, brief personal records and license, or qualification shall be clearly stated);
8. Kind and quantity of machines, tools and other equipment used for the performance of entrusted duty;
9. In a case when duties other than those entrusted duties are performed, kind and outline of such duties.

**Article 158 (Standard for Designation)**

The person who wishes to designate under Article 157 (2) shall be equipped with technical capability and other conditions falling under each of the following Subparagraphs:

1. The composition of executive officers and key personnel shall be such that a fair and accurate performance of entrusted duty and their operation are not hindered;
2. Persons performing entrusted duty shall satisfy the qualification standard
determined and publicly notified by the Commission;
3. The number of persons performing entrusted duty shall be not less than the number necessary to perform such duties;
4. Kind and quantity of machines, tools and other equipment necessary for the performance of entrusted duty on the application shall be available;
5. They shall have fundamental financial capability necessary for an accurate and smooth performance of entrusted duty;
6. When duties other than entrusted duties are performed, entrusted duties shall be unlikely to be performed in an unfair way due to the performance of such duties.

Article 159 (Change of Title, etc. of Entrusted Institution)

(1) Any entrusted institution referred to in Article 153 (1) 5 which wishes to change the title or address of the entrusted institution or change the title or address of the office where entrusted duties are performed shall obtain the approval of the Commission by submitting an application containing a statement of matters falling under any of the following Subparagraphs:
1. Changed title or address of entrusted institution or changed title or address of office where entrusted duties are performed;
2. Date on which the change is to be made;
3. Reason for the change.
(2) In a case when the entrusted institution wishes to establish a new office or close down an office(including regional branch) which performs entrusted duties, it shall obtain the approval of the Commission by submitting an application containing a statement of matters falling under each of the following Subparagraphs:
1. Title and address of office to be newly established or closed down;
2. Expected date of commencement or closure of the office to be newly established or to be closed down;
3. Reason for new establishment or closure of office.

Article 160 (Restriction on Designation of Entrusted Institution)

The Commission shall not entrust his authority in a case where, among any officers of institutions to which he wishes to entrust his authority, there is any person falling under any of the following Subparagraphs:
1. Any person who has not been reinstated from a sentence of adult guardianship, limited guardianship;
2. Any person who has been declared bankrupt and whose rights have
not yet been reinstated;
3. A person who has been sentenced to imprisonment without prison labor of heavier punishment and for whom two years have not yet elapsed since execution of such punishment was completed or non-execution thereof was finally decided, or who is now under a suspended execution after such suspended execution was decided;
4. Any person who was an officer of the entrusted institution at the time of revocation of designation as the entrusted institution in accordance with this Decree and for whom two years have not passed since the date of such revocation;
5. Any person who held the license as referred to in Article 84 (2) of the Act and for whom two years have not passed since the date of revocation of the license.

Article 161 (Application for Approval concerning Suspension or Discontinuation of Entrusted Duty)

Any entrusted institution which wishes to suspend or discontinue all or part of the entrusted duties as referred to in the approved guidelines for performing entrusted duties under Article 155, shall obtain the approval of the Commission by submitting an application containing a statement of matters falling under each of the following Subparagraphs:
1. Kind and scope of entrusted duties to be suspended or discontinued;
2. Expected date of suspension or discontinuation;
3. In the case of suspension, the period of suspension;
4. Reason for suspension or discontinuation.

Article 162 (Report of Person Performing Entrusted Duty)

(1) In a case where the entrusted institution has appointed persons performing the entrusted duty, it shall notify the Commission thereof within thirty days from the date of such appointment. The same shall also apply in the case of dismissal.
(2) Name, brief personal record, and license or qualification, performing entrusted duty, the kind of duty to be performed of the appointed person and his department, etc. in the office to which such person is assigned shall be stated in the notification as referred to in Paragraph (1).

Article 163 (Request for Dismissal of Person Performing Entrusted Duty)

The Commission may request the entrusted institution to dismiss person performing entrusted duty in a case where he deems that the person performing entrusted duty has violated the act and subordinate statute or
the regulation on the handling of entrusted duty, or he deems that the person performing entrusted duty is not suitable for such duty.

**Article 164 (Report)**

When the entrusted institution has performed the entrusted duty, it shall report the result to the Commission within 30 days from the date on which the entrusted duty was performed as prescribed by the Ordinance of the Prime minister.

**Article 165 (Obligation of Entrusted Institution)**

1. The entrusted institution shall perform the entrusted duty fairly and promptly.
2. The entrusted institution shall not suspend or discontinue all or part of the entrusted duty without the permit of the Commission.
3. Executive officer, person performing entrusted duty, or employees of the entrusted institution shall not divulge or make a fraudulent use of any secret information concerning the entrusted duty, he has obtained in the course of performing the entrusted duty.

**Article 166 (Approval, etc. on Business Plan)**

1. The designated entrusted institution shall prepare the business plan and the budget of revenue and expenditure for each business year and obtain the approval of the Commission before commencing the business for the year (immediately after the designation for the business year in which date of the designation is included). The same shall also apply in the case of any change.
2. The designated entrusted institution shall prepare the business report and the settlement of account of revenue and expenditure and submit them to the Commission within a period of three months after the end of each business year.

**Article 167 (Revocation, etc. of Designation)**

The Commission may revoke the designation of entrusted institution or may order suspension of all or part of the entrusted duties by specifying a period of time in a case where the entrusted institution falls under any of the following Subparagraphs. In this case, if it is necessary for the national economy and for the nuclear safety, it is possible to entrust the performance of suspended duty to other institutions deemed capable of
performing such duty for the period of suspension:
1. In a case when the provisions of Articles 155, 165 and 166 are violated;
2. In a case when it is deemed that the standard for designation as referred to in Article 158 is not satisfied;
3. In a case when the condition of designation as referred to in Article 171 is violated;
4. In a case when it is deemed that the entrusted institution cannot perform the entrusted duty normally.

Article 168 (Supervision Order, etc.)

The Commission may, if it is deemed necessary for the supervision of the entrusted institution, issue an order necessary for the management of the entrusted institution and the performing of entrusted duty, or may order public official under his control to inspect ledger, document, and facility, etc.

Article 169 (Transfer of Entrusted Duty)

Record concerning the entrusted duty and other matters deemed necessary by the Commission shall be transferred to Commission or the person designated by the Commission, in a case where the entrusted institute is approved for discontinuation of entrusted duty under the provisions of Article 161 or when the designation of entrusted institution is revoked under the provisions of Article 167.

Article 170 (Public Announcement, etc.)

The Commission shall announce publicly in the Official Gazette the matter concerning the entrusted institution under the condition falling under each of the following Subparagraphs:
1. At the time of designation of entrusted institution under Article 153 (1) 5:
   (a) Title and address of entrusted institution or title and address of its office;
   (b) Date of designation;
   (c) Kind and scope of entrusted duty.
2. Deleted;
3. At the time when suspension or discontinuation of all or part of the entrusted duties is approved under Article 161:
   (a) Title and address of entrusted institution which all or part of the entrusted duties is suspended or discontinued:
(b) Title and address of the office whose entrusted duty is suspended or discontinuation;
(c) Date of suspension or discontinuation;
(d) Kind and scope of suspension or discontinuation of entrusted duty;
(e) Period of suspension of entrusted duty;
4. At the time of revocation of designation of entrusted institution under Article 167:
(a) Title and address of entrusted institution or title and address of its office;
(b) Date of revocation;
5. At the times when suspension of all or part of the entrusted duties is ordered under Article 167:
(a) Title and address of entrusted institution;
(b) Title and address of the office whose entrusted duties are suspended;
(c) Date of suspension;
(d) Kind, scope and suspension interval of entrusted duty to be suspended.

Article 171 (Condition for Designation, etc.)

(1) The Commission may attach condition or order change in matter if it is deemed necessary in case of the designation as referred to in Article 153 (1) 5, the approval as referred to in Article 155, 159, 161 and 166.
(2) The condition attached and the change in matter as referred to in Paragraph (1) shall be limited to the minimum necessary for a fair management of matter concerning the designation and the approval, and they shall not be used to impose unreasonable obligation on person who has obtained the designation or the approval.

Article 172 (Request, etc. for Submission of Information)

The entrusted institution may, if it is deemed necessary for the performing of entrusted duty, request a nuclear enterpriser who has applied for affair relevant to such duty to submit supplementary document or other information necessary for the performing of entrusted duty, may have its employee to investigate the matter concerning the affair of the office of the nuclear enterpriser, may ask the person concerned pertinent question or may collect the minimum amount of samples necessary for the test and evaluation.

Article 173 (Identification Card, etc.)
In a case where the entrusted institution carries out the investigation, etc. by its employee at the relevant office under the provisions of Article 172, it shall have its employees carry document issued by the Commission proving that they are duly visiting or investigating and produce such document to the persons concerned.

Article 173–2 (Accounting Agency in Charge of Nuclear Safety Regulation Account)

The Commission shall appoint a fund revenue collection officer, a fund financing officer, a fund disbursing officer and a fund accounting official from among its public officials to take charge of the affairs related to the revenue and expenditure of the nuclear safety regulation account referred to in Article 17 (2) of the Nuclear Energy Promotion Act (hereinafter referred to as the “nuclear safety regulation account”), and which consists of the Nuclear Energy Fund established under paragraph (1) of the same Article.

Article 173–3 (Opening of Nuclear Safety Regulation Account at the Bank of Korea)

The Commission shall open the nuclear safety regulation account at the Bank of Korea to ensure clear management of the revenue and expenditure of the nuclear safety regulation account.

Article 173–4 (Fiscal Year of Nuclear Safety Regulation Account)

The fiscal year of the nuclear safety regulation account shall follow the fiscal year of the Government.

Article 173–5 (Delegation, etc. of Duties Related to Nuclear Safety Regulation Account)

(1) The Commission shall delegate the following duties related to the nuclear safety regulation account to The Safety Foundation pursuant to the proviso to Article 18 (1) of the Nuclear Energy Promotion Act:

1. Duties related to accounting concerning the management and operation of the nuclear safety regulation account;
2. Duties related to the revenue and expenditure of the nuclear safety regulation account;
3. Duties related to the management of any surplus funds in the nuclear safety regulation account;
4. Other duties determined and publicly announced by the Commission
concerning the management and operation of the nuclear safety regulation account.

(2) The Safety Foundation to which the duties related to the nuclear safety regulation account are delegated under Paragraph (1) shall report matters determined by the Commission to the Commission.

(3) The Commission shall appoint a director responsible for fund revenue and a director responsible for causative acts of fund expenditure from among the directors of the Safety Foundation, and a fund disbursing staff and a fund accounting staff from among the employees thereof, respectively, in consultation with the Safety Foundation to which the duties related to the revenue and expenditure of the nuclear safety regulation account are delegated under Paragraph (1). In such cases, the director responsible for fund revenue shall perform the duties of a fund revenue collection officer; the director responsible for causative acts of fund expenditure shall perform the duties of a fund financing official; the fund disbursing staff shall perform the duties of a fund disbursing officer; and the fund accounting staff shall perform the duties of a fund accounting official, respectively, within the scope of their delegated duties.

Article 173-6 (Provisions on Operation of Nuclear Safety Regulation Account)

Except as otherwise expressly provided in this Decree, matters necessary for the management and operation of the nuclear safety regulation account shall be determined by the Commission.

Article 174 (Prevention of Hazard to Environment)

The standard for the prevention of any hazard to national health and the environment as referred to in Subparagraph 3 of Article 11 and Article 12 (5) 2, Article 21 (1) 3, Article 36 (1) 3, Subparagraph 3 of Article 46 and Subparagraph 3 of Article 64 of the Act shall fall under each of the following Subparagraphs:
1. The concentration of radioactive material in a gaseous and liquid state discharged from the facility shall meet the standard determined by the Commission;
2. Other standards as determined by the Commission for the prevention of any radioactive hazard shall be met.

Article 175 (Criteria for Suspension of Business or Prohibition of Use and Imposition of Penalty Surcharge)
The criteria for suspension of business or prohibition of use and imposition of penalty surcharge under Article 17 (2) of the Act (including the mutatis mutandis application in Articles 24 (2), 32 (2), 38 (2), and 66 (2) of the Act), Article 48 (2) of the Act (including the mutatis mutandis application in Article 52 (7) of the Act), and Article 57 (2) of the Act (including the mutatis mutandis application in Article 81 (2) of the Act) shall be as stated in Table 11 attached hereto.

**Article 175-2 (Imposition and Payment of Penalty Surcharge)**

(1) The Committee shall notify the relevant person of the content of the violation along with the penalty surcharge amount when intending to impose a penalty surcharge under Article 17 (2) of the Act (including the mutatis mutandis application in Articles 24 (2), 32 (2), 38 (2), and 66 (2) of the Act), Article 48 (2) of the Act (including the mutatis mutandis application in Article 52 (7) of the Act), Article 57 (2) of the Act (including the mutatis mutandis application in Article 81 (2) of the Act).

(2) The party receiving the notice from the Committee as stated in Paragraph (1) above shall pay the penalty surcharge to the institution designated by the Committee within 20 days or within 7 days of the termination of the situation that prevents it from paying the penalty surcharge if such is the case due to any act of God or inevitable situation.

(3) The institution stated in Paragraph (2) above shall issue a receipt for the penalty surcharge paid and immediately inform the Committee of the penalty surcharge paid.

**Article 176 (Fees)**

"Institutions prescribed by Presidential Decree" in the proviso to Article 112 of the Act refers to the Korea Institute of Nuclear Safety, the Korea Atomic Energy Research Institute, the Korea Institute of Nuclear Non-proliferation and Control, and the Safety Foundation.

**Article 177 (Review of Regulation)**

The Commission shall take the relevant measures, such as improvement, concerning the following by reviewing their reasonableness every 3 years from January 1, 2015:

1. Criteria for the suspension of business or prohibition of use and imposition of penalty surcharge as stated in Table 11 attached hereto;
2. Deleted.
Chapter XI  Penal Provisions

Article 178 (Criteria for the Imposition of Fine for Negligence, etc.)

The criteria for the imposition of fine for negligence under Article 119 (2) of the Act shall be as stated in Table 12 attached hereto.
ADDENDA <Presidential Decree No. 23248, Oct. 25, 2011>

Article 1 (Enforcement Date)

This Decree shall enter into force on October 26, 2011.

Article 2 (Transitional Measures concerning Previous Dispositions, etc.)

Any disposition, procedure or other actions concerning nuclear energy safety taken in accordance with the former Enforcement Decree of the Atomic Energy Act at the time this Decree enters into force shall be deemed taken in accordance with this Decree.

Article 3 (Revision of other Acts and Subordinate Statutes) Omitted.

Article 4 (Relationship to other Acts and Subordinate Statutes)

A citation of the Enforcement Decree of the Atomic Energy Act or a provision thereof by any other Act or a subordinate statute at the time this Decree enters into force shall be deemed a citation of this Decree or a corresponding provision of this Decree, if such corresponding provision exists within this Decree.

ADDENDA <Presidential Decree No. 23529, Jan. 15, 2012>
(Enforcement Decree of the Act on National Defense and Military Installations Projects)

Article 1 (Enforcement Date)

This Decree shall enter into force on January 26, 2012.

Article 2 (Amendments to Other Acts)

① through ⑤ omitted.
⑥ The Enforcement Decree of the Nuclear Safety Act shall be partially amended as follows:
“Projects subject to approval of implementation plan as prescribed in Article 4 of the Act on National Defense and Military Installations Projects” in Article 130 (2) 2 shall be amended as “projects defined in subparagraph 2 (a) of Article 2 of the Act on National Defense and Military Installations Projects.”
⑦ through ⑭ Omitted.
Article 3 Omitted.

ADDENDA <Presidential Decree No. 23759, May. 1, 2012>
(Partially amended decrees incl. the Enforcement Decree of the Act on Security Services for Providing Convenience to Examinees and Granting Sufficient Examination Preparation Time, etc.)

Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation. <proviso Omitted.>

Article 2 (Application Concerning the Notice of Examination)

The matters amending the notice period for examinations, etc. in this Decree shall be applied to the examinations administered as of January 1, 2013.

ADDENDA <Presidential Decree No. 24245, Dec. 20, 2012>

Article 1 (Enforcement Date)

This decree shall enter into force on the date of its public notification.

Article 2 (Transitional Measures for Change of Entrusted Institute)

The settlements or other behaviors entrusted by the Human Resources Development Service of Korea or behaviors of the applicants towards Human Resources Development Service of Korea for examination pursuant to Article 154, Paragraph 5 prior to the enforcement of this decree shall be considered as the settlements or behaviors performed by the Korea Institute of Nuclear Safety, or the behaviors towards the Korea Institute of Nuclear Safety pursuant to the revised provisions in Attached Table 7, Subparagraph 5.

ADDENDA <Presidential Decree No. 24431, Mar. 23, 2013> (Organization of the Nuclear Safety and Security Commission)

Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

Article 2 Omitted.
Article 3 (Amendments to Other Acts)

① and ② Omitted.
③ The Enforcement Decree of the Nuclear Safety Act shall be amended as follows:

“Rules of the Nuclear Safety and Security Commission (hereinafter referred to as “rules of the Commission”)” in the main sentence of Article 17 shall be amended as “Ordinance of the Prime Minister.”

“Rules of the Commission” in pats other than the subparagraphs of Article 41 shall be amended as “Rules of the Nuclear Safety and Security Commission (hereinafter referred to as “rules of the Commission”).”

“Minister of Knowledge Economy” in Article 151 (2) shall be amended as “Minister of Trade, Industry and Energy.”

“Rules of the Commission” in Article 21, Article 22 (1), Article 23, Article 28, the main sentence of Article 33 (1), Article 34, Article 35 (1), Article 37 (3), the main sentence of Article 43 (1), Article 44, Article 45 (1), Article 48, Article 49, Article 50, Article 53 91), Article 54, Article 55 (2), the main sentence of Article 58 (1), Article 61 (1), Article 62, Article 63 (2), Article 65 (1), Article 69, Article 70, Article 73 (2) and (3), Article 75, Article 77, Article 78, Article 79 (1) and (2), Articles 80 through 82, Article 83 (3), the main sentences of Article 85 (2) other than the subparagraphs, Article 83 (3) 1, the main sentence of Article 93 (1), Article 93 (3), Article 94 (1), Article 96, Article 98, Article 101 (3), Article 103 (1) and (2), Article 104 (2), the paragraph preceding Article 107 (2), the main sentence of and proviso to Article 108 (1), Article 109 (1), Article 111 (1) and (2), the main sentence of Article 111 (4), the main sentences of Article 111 (5) other than the subparagraphs, Article 111 (5) 1, the main sentence of Article 112 (1), Article 112 (3), Article 113 (3) and (4), Article 114 (1) 1 and 2, Article 114 (2), Article 115 91), the main sentence of Article 115 (3), parts of Article 124 (5) other than the subparagraphs, Article 131 (1) through (3), Article 132 (1) and (2), Article 133 (1), Article 137 (1) 4 and (2), Article 142, Article 145 (6), Article 148 (1) and (2), parts of Article 157 (2) other than the subparagraphs, and Article 164 shall be amended as “Ordinance of the Prime Minister.”

“Minister of Education, Science and Technology” in subparagraph 1 Item A, subparagraph 2 items A through C, subparagraph 3 Item A, subparagraph 4 items A through C, subparagraph 5 items A and B, and subparagraph 7 Item A in attached Table 5 shall be amended as “Minister of Education.”

ADDENDA <Presidential Decree No. 24689, Aug. 16, 2013>

Article 1 (Enforcement Date)
This decree shall enter into force on the date of its public notification. However, the revised provisions stipulated in the following shall be effective as of January 1, 2014: Articles 148, 148–2, 148–3, 149 and Article 154 (1) 13.; and Attached Tables 7 and 10.

**Article 2 (Preparations for the Provision of Education)**

1. The Commission shall designate and notify the Basic Education Institutes and institutes eligible for entrustment of on-the-job education pursuant to the revised provisions at the latter of Article 148, Paragraph 2 no later than the effective date pursuant to the Proviso in Article 1 of the Addendum. The Commission is also entitled to designate and notify entrusted institutes for works pursuant to the revised provisions in Article 154, Paragraph 1, Subparagraph 13; and the Attached Table, Subparagraph 6, Item f.

2. The Basic Education Institute designated pursuant to Paragraph 1 shall submit the basic education plan for 2014 pursuant to the revised provisions in Article 148–2, Paragraph 1 to the Commission by no later than November 30, 2013.

3. The nuclear power-related business operator shall submit the on-the-job education plan for 2014 pursuant to the revised provisions of Article 148–2, Paragraph 4 to the Commission by no later than December 31, 2013.

**Article 3 (Transitional Measures Relevant to Permit Criteria for the Production of Radioisotopes, etc.)**

A party that is permitted to produce or engage in the mobile use of radioisotopes pursuant to the provisions stipulated prior to the enforcement date of this decree, but that fails to meet the equipment criteria stipulated pursuant to the revised provisions in Attached Table 2, shall provide equipment that meets the equipment criteria provided in the same table by no later than December 31, 2013.

**ADDENDUM** <Presidential Decree No. 25532, Aug. 6, 2014>

(Partially amended decrees such as the Enforcement Decree of the Act on the Operation of Public Institutions for preparing the basis for processing sensitive information and unique identification information)

This Decree shall enter into force on August 7, 2014.

**ADDENDA** <Presidential Decree No. 25604, Sep. 11, 2014>
**Article 1** (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

**Article 2** (Application Concerning Self-dispositions)

The amended provisions of Article 107 (4) and (5) shall be applicable to the self-dispositions plan submitted in accordance with Article 107 (2) prior to the enforcement of this Decree.

**ADDENDA <Presidential Decree No. 25747, Nov. 19, 2014>**

**Article 1** (Enforcement Date)

This Enforcement Decree shall be implemented from November 22, 2014; note, however, that the amended regulation of Article 148 (2) shall be implemented from January 1, 2015, and the amended regulation of Article 121 (1) 1 and 2, from November 22, 2015.

**Article 2** (Interim Measures Regarding Periodic Safety Review)

Concerning nuclear reactor facilities whose date of review was reached prior to the implementation of this Enforcement Decree under Article 36 (2) and (4) hereof, the previous regulation shall apply, notwithstanding the amendment of Article 37.

**Article 3** (Interim Measures Regarding Periodic Safety Review Concerning Nuclear Reactor Facilities for Research, etc.)

A party that has obtained permit for the operation of a nuclear reactor facility for research, etc., prior to the implementation of this Enforcement Decree shall finish the first periodic safety review stipulated in the amended regulation of Article 47 by December 31, 2018 for nuclear reactor facilities for research, etc., for which 10 years or more have lapsed from the date of said permit.

**Article 4** (Interim Measures Regarding the Designation of Radiation Safety Officers)

A party that had obtained permit for production, sale, use, or use-in-transit of radioisotopes and the like under Article 53 (1) of the Act and a party that had submitted a report on the use or
use-in-transit of radioisotopes and the like under Article 53 (2) of the Act shall report their designated radiation safety officer to the Committee within 3 months and 6 months, respectively, of the implementation of this Enforcement Decree under the amended regulation in Article 82-2 hereof.

**Article 5** (Interim Measures Regarding the Grounds for Disqualification of an Incompetent Person)

Notwithstanding the amended regulation in Article 160. 1, the previous regulation shall apply to a person for whom the court’s declaration of incompetency or quasi-incompetency stays effective under Article 2 of the Additional Rules of Act No. 10429 (Partial Amendment to the Civil Act), among the persons declared incompetent or quasi-incompetent by the court by the implementation of said amended regulation.

**Article 6** (Interim Measures Regarding the Criteria for Administrative Measures)

Administrative dispositions and dispositions concerning the imposition of fine with regard to violations that occurred prior to the implementation of this Enforcement Decree shall not be included in the calculation of the number of violations stipulated under the amended regulation in Tables 11 and 12 hereto.

**ADDENDUM** <Presidential Decree No. 26426, Jul. 20, 2015>

This Decree shall enter into force on Jul. 21, 2015.

**ADDENDUM** <Presidential Decree No. 26760, Dec. 22, 2015>

This Decree shall enter into force on Jan. 1, 2016.

**ADDENDUM** <Presidential Decree No. 27095, Apr. 12, 2016>

This Decree shall enter into force on the day it is promulgated. However, the amended provisions under Article 132 (1) shall enter into force six months after their promulgation, and the amended provisions of Attached Table 1 shall enter into force on Jan. 1, 2017.

**ADDENDA** <Presidential Decree No. 27207, May 31, 2016>

(Enforcement Decree of the Nuclear Liability Act)
Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation. <Proviso Omitted.>

Article 2 (Amendments to Other Acts)

① Omitted.
② The Enforcement Decree of the Nuclear Safety Act shall be partially amended as follows:
“Nuclear Liability Act” in Article 152 subparagraph 3 shall be amended as “Nuclear Liability Act.”

ADDENDUM <Presidential Decree No. 27248, Jun. 21, 2016>

This Decree shall enter into force on the day it is promulgated. However, the amended provisions of Article 35 (2) 1, Article 47, and Article 146-2 shall enter into force on 23 June 2016.

ADDENDUM <Presidential Decree No. 27678, Dec. 22, 2016>

This Decree shall enter into force on 23 December 2016.

ADDENDUM <Presidential Decree No. 27947, Mar. 20, 2017>

This Decree shall enter into force on the day it is promulgated.

ADDENDA <Presidential Decree No. 27972, Mar. 29, 2017>
(Enforcement Decree of the Airport Facilities Act)

Article 1 (Enforcement Date)

This Decree shall enter into force on March 30, 2017.

Article 2 through Article 8 Omitted.

Article 9 (Amendments to Other Acts)

① through ③ Omitted.
③ The Enforcement Decree of the Nuclear Safety Act shall be partially amended as follows:
“Article 2 subparagraph 7 of the Aviation Act” in Article 130 (2) 1 shall be amended as “Article 2 subparagraph 3 of the Airport Facilities Act.”
⑤ through ⑥ Omitted.
Enforcement Decree of the Nuclear Safety Act

Article 10 Omitted.

ADDENDA <Presidential Decree No. 28471, Dec. 12, 2017>
(Decrees partially amended by 33 presidential decrees incl. the
Enforcement Decree of the Act on Fair Transactions in Franchise
Business for setting the period for re-examinations of regulations, etc.)

Article 1 (Enforcement Date)

This Decree shall enter into force on January 1, 2018.

Article 2 Omitted.

ADDENDUM <Presidential Decree No. 28987, Jun. 19, 2018>

This Decree shall enter into force on June 20, 2018. Provided, That the
amended provisions of Article 149 (6) shall enter into force on the date of
its promulgation.

ADDENDA <Presidential Decree No. 29180, Sep. 18, 2018>
(Enforcement Decree of the Act on Accident Compensation for Public
Officials)

Article 1 (Enforcement Date)

This Decree shall enter into force on September 21, 2018.

Article 2 through Article 17 Omitted.

Article 18 (Amendments to Other Acts)

① through ③ Omitted.
② The Enforcement Decree of the Nuclear Safety Act shall be partially
amended as follows:
“Public Officials Pension Act” in Article 152 subparagraph 2 shall be amended
as “Act on Accident Compensation for Public Officials.”
③ through ④ Omitted.

Article 19 Omitted.

ADDENDUM <Presidential Decree No. 29218, Oct. 2, 2018>
This Decree shall enter into force on the date of its promulgation.

**ADDENDUM** <Presidential Decree No. 29521, Feb. 8, 2019>

This Decree shall enter into force on February 15, 2019.
[Table 1]

**Dose limit**

[related to Subparagraph 4 of Article 2]

(Unit: mSv)

<table>
<thead>
<tr>
<th>Classification</th>
<th>Effective dose limit</th>
<th>Equivalent dose limit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Crystalline lens</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hands, feet and skin</td>
</tr>
<tr>
<td>1. Radiation workers</td>
<td>100 over a period of five years provided that the dose does not exceed 50 in any given year</td>
<td>150 per year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>500 per year</td>
</tr>
<tr>
<td>2. Frequent visitors, transport workers, and persons under 18 years of age who are recognized by the Commission for education, training or other purposes under the proviso to Article 96</td>
<td>6 per year</td>
<td>15 per year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 per year</td>
</tr>
<tr>
<td>3. Persons other than those under Items 1 and 2</td>
<td>1 per year</td>
<td>15 per year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 per year</td>
</tr>
</tbody>
</table>

**Remarks**

1. “Dose limit” refers to the radiation dose exposure in one calendar year from January 1 to December 31 of each year.
2. Notwithstanding the above table, the Commission shall determine and announce the dose limit for those whose pregnancy is confirmed among those falling under Item 1 or 2 and those who use radioactive isotopes etc. in a limited and temporary manner pursuant to Article 79 (1) among those falling under Item 3.
3. “Transport workers” under Item 2 shall refer to persons who are not radiation workers among those who transport radioactive materials under Article 2 Item 12 outside a radiation control zone.
4. In cases that are admitted by the Commission among those where a person falling under Item 3 has been exposed to 1mSv or more per year, the effective dose limit shall be the value that exceeds 1mSv within the extent that the annual average exposure over five years does not exceed 1mSv per year, notwithstanding the effective dose limit value provided in Item 3 of the above-mentioned Table.
5. “... in 5 years ...” under the effective dose limit column of Item 1 and the remarks column of Item 4 shall refer to the succession of five-year periods computed starting from 1 January 1998.
### Table 2

**Equipment Criteria for a Permit for the Production of Radioisotopes, etc.**

[Related to Article 83 (2)]

<table>
<thead>
<tr>
<th>Item</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Production</td>
<td></td>
</tr>
<tr>
<td>a. Production of radioisotopes</td>
<td>Two or more sets of radiation detection equipment and radioactivity detection equipment, respectively, and one or more radiation source transportation vehicles</td>
</tr>
<tr>
<td>b. Production of radiation generating devices</td>
<td>Two or more sets of radiation detection equipment</td>
</tr>
<tr>
<td>2. Sales</td>
<td></td>
</tr>
<tr>
<td>a. Sales of sealed radioisotopes</td>
<td>Two or more sets of radiation detection equipment, and one or more radiation source transportation vehicles</td>
</tr>
<tr>
<td>b. Sales of unsealed radioisotopes</td>
<td>Two or more sets of radiation detection equipment and radioactivity detection equipment, respectively, and one or more radiation source transportation vehicles</td>
</tr>
<tr>
<td>c. Sales of radiation generating devices</td>
<td>Two or more sets of radiation detection equipment</td>
</tr>
<tr>
<td>3. Use</td>
<td></td>
</tr>
<tr>
<td>a. Use of sealed radioisotope, or radiation generating devices</td>
<td>One or more sets of radiation detection equipment</td>
</tr>
<tr>
<td>b. Use of unsealed radioisotopes</td>
<td>One or more sets of radiation detection equipment and radioactivity detection equipment, respectively, at each facility</td>
</tr>
<tr>
<td>4. Mobile use</td>
<td></td>
</tr>
<tr>
<td>Item</td>
<td>Criteria</td>
</tr>
<tr>
<td>------</td>
<td>----------</td>
</tr>
</tbody>
</table>
| a. Mobile use for the purpose of radiographic examination inspection | 1) Radiographic examination equipment: 5 or more sets  
2) Radiation detection equipment  
   a) Radiation detection equipment: One or more sets per each item of radiographic examination equipment  
   b) Radiation monitor: One or more sets per each radiation worker  
   c) Direct-reading personal dosimeter: One or more sets per each radiation worker (in the case of radiation dosimeters that are not equipped with an alarm dosimeter)  
3) Radiation protection equipment  
   a) Collimator (10 milliliters or more): One or more sets per each item of radiographic examination equipment, except radiation generating devices  
   b) Alarm light: Four or more sets per each item of radiographic examination equipment  
4) Radiation source transportation vehicle: Two or more sets (except passenger cars) |
| b. Other cases other than Item a | One or more sets of radiation detection equipment |
**[Table 3]**

**Manpower Criteria for a Permit for the Production of Radioisotopes, etc.**  
[Related to Article 83 (2)]

<table>
<thead>
<tr>
<th>Item</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Production</td>
<td>One or more person who has obtained a license for supervisor of radiation handling or a professional engineer of radiation control (one or more person who has obtained a general license for the radioisotope handling, a license for supervisor of radiation handling, a professional engineer of radiation control when acquiring a permit for the production of in-house radiation generating devices by holders having a permit to produce medical equipments pursuant to Article 6 of Medical Equipment Act)</td>
</tr>
<tr>
<td>2. Sales</td>
<td></td>
</tr>
<tr>
<td>a. Sales of radioisotopes</td>
<td>One or more person who has obtained a license for supervisor of radiation handling or professional engineer of radiation control</td>
</tr>
<tr>
<td>b. Sales of radiation generating devices</td>
<td>One or more person who has obtained a general license for the radioisotope handling, a license for supervisor of radiation handling, a professional engineer of radiation control</td>
</tr>
<tr>
<td>3. Use</td>
<td></td>
</tr>
<tr>
<td>a. Use on the human body</td>
<td>One or more person who has obtained a special license for the radioisotope handling and one or more person who has obtained a general license for the radioisotope handling, a license for supervisor of radiation handling, a professional engineer of radiation control</td>
</tr>
<tr>
<td>b. Use in areas other than the human body</td>
<td></td>
</tr>
<tr>
<td>1) Sealed radioisotopes</td>
<td></td>
</tr>
<tr>
<td>a) Radioisotopes not mounted on equipment whose annual usage consumption is 1.85 TBq or higher</td>
<td>One or more person who has obtained a license for supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>b) Radioisotopes not mounted on equipment whose annual usage is less than 1.85 TBq</td>
<td>One or more person who has obtained a general license for the radioisotope handling, a license for supervisor of radiation handling, a professional engineer of radiation control</td>
</tr>
<tr>
<td>Item</td>
<td>Criteria</td>
</tr>
<tr>
<td>------</td>
<td>----------</td>
</tr>
<tr>
<td>c) Radioisotopes mounted on equipment whose annual usage is 3.7 TBq or higher</td>
<td>One or more person who has obtained a license for supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>d) Radioisotopes mounted on equipment whose annual usage is less than 3.7 TBq</td>
<td>One or more person who has obtained a general license for the radioisotope handling, a license for supervisor of radiation handling, a professional engineer of radiation control</td>
</tr>
<tr>
<td>2) Unsealed radioisotopes</td>
<td></td>
</tr>
<tr>
<td>a) Annual usage of 1.85 GBq or higher</td>
<td>One or more person who has obtained a special license for the radioisotope handling, a license for supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>b) Annual usage of less than 1.85 GBq</td>
<td>One or more person who has obtained a general license for radioisotope handling, a special license for the radioisotope handling, a license for supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>3) Radiation generating devices</td>
<td></td>
</tr>
<tr>
<td>a) 1 MeV or higher</td>
<td>One or more person who has obtained a license for supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>b) One or more sets of equipment with max. voltage usage of 350 KV or higher, and capacity of 350 KV and 5 mA</td>
<td>One or more person who has obtained a license for supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>c) Two or more sets of equipment with max. voltage usage of less than 350 KV and capacity of 250 KV and 5 mA</td>
<td>One or more person who has obtained a license for supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>d) Cases not stipulated in Items a to c</td>
<td>One or more person who has obtained a general license for radioisotope handling, a license for supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>4. Mobile use</td>
<td></td>
</tr>
<tr>
<td>a. Mobile use for the purpose of radiographic examination</td>
<td>Two or more persons who have obtained a license for supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>b. Other cases other than Item a</td>
<td>One or more person who has obtained a general license for radioisotope handling, a license for supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
</tbody>
</table>

[Table 4]
## Manpower Criteria for Business Agent

[Related to Subparagraph 2 of Article 84]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Business agent as provided in Subparagraphs 1 through 3 and 6 of Article 54 (1) of the Act</td>
<td>○ No less than one person who has obtained a license for supervisor of radiation handling or a professional engineer of radiation control with no less than five years’ experience in radiation safety control or radiation safety regulations  &lt;br&gt; ○ No less than one person who has obtained a general license for radioisotope handling with no less than three years’ experience in radiation safety control or radiation safety regulation</td>
</tr>
<tr>
<td>2. Business agent as provided in Subparagraph 4 of Article 54 (1) of the Act</td>
<td>○ No less than one person who has obtained a license for a supervisor of radiation handling or a professional engineer of radiation control with no less than three years experience in installation of use facility, etc. or radiation safety regulation  &lt;br&gt; ○ No less than one person who has obtained a general license for radioisotope handling with no less than three years experience in radiation safety control or radiation safety regulation</td>
</tr>
<tr>
<td>3. Business agent as provided in Subparagraph 5 of Article 54 (1) of the Act</td>
<td>○ No less than a person who has obtained a license for supervisor of radiation handling or a professional engineer of radiation control with no less than five years experience in radiation safety control without having been subject to any punishment due to violation of the Atomic Energy Act for the past five years or with no less than five years’ experience in radiation safety regulation  &lt;br&gt; ○ No less than two persons who have obtained a license for supervisor of radiation handling or a professional engineer of radiation control with no less than three years experience in radiation safety control without having been subject to any punishment due to violation of the Atomic Energy Act for the past three years or with no less than three years experience in radiation safety regulation  &lt;br&gt; ○ No less than two persons who have obtained a general license for radioisotope handling with no less than three years experience in radiation safety control without having been subject to any punishment due to violation of the Atomic Energy Act for the past three years or with no less than three years experience in radiation safety regulation for each place of business in cases where there exist places of business other than a primary office.</td>
</tr>
</tbody>
</table>
### Qualification for a License Examination by Type of License

[Related to Article 118 (2)]

<table>
<thead>
<tr>
<th>Type of License</th>
<th>Qualification for a License Examination</th>
</tr>
</thead>
</table>
| 1. License for supervisor of nuclear reactor operation | (a) A university graduate with a degree in science and technology or a person acknowledged as having equivalent or higher educational qualifications by the Minister of Education or a person with qualifications as an engineer or higher under the National Technical Qualifications Act with no less than three years practical experience in nuclear reactor operation (two years in the case of those who majored in nuclear engineering)  
(b) A person who has engaged in practical nuclear reactor operations for no less than two years after obtaining a license for an operator of nuclear reactor  
(c) A person who has obtained a license for supervisor of nuclear reactor operation abroad for the same type of reactor or has qualifications equivalent thereto |
| 2. License for operator of nuclear reactor | (a) A university graduate with a degree in science and technology or a person acknowledged as having equivalent or higher educational qualifications by the Minister of Education or a person with qualifications as an industrial engineer or higher under the National Technical Qualifications Act with no less than one year's practical experience in nuclear reactor operation (six months in the case of those who majored in nuclear engineering)  
(b) A person who finished the two-year course at a science and engineering college or a person acknowledged as having equivalent or higher educational qualifications by the Minister of Education or a person with qualifications as a technician or higher under the National Technical Qualifications Act with no less than two years practical experience in nuclear reactor operation (one year and six months in the case of those who majored in nuclear engineering)  
(c) A high school graduate or a person acknowledged as having equivalent or higher educational qualifications by the Minister of Education or a person with qualifications as a technician or higher under the National Technical Qualifications Act with no less than three years practical experience in nuclear reactor operation  
(d) A person who has obtained a license for an operator of nuclear reactor abroad for the same type of reactor or has qualifications equivalent thereto |
<table>
<thead>
<tr>
<th>Type of License</th>
<th>Qualification for a License Examination</th>
</tr>
</thead>
</table>
| 3. License for the supervisor of nuclear fuel material handling | (a) A university graduate with a degree in science and technology or a person acknowledged as having equivalent or higher educational qualifications by the Minister of Education or a person with qualifications as an engineer or higher under the National Technical Qualifications Act with no less than two years practical experience in nuclear material and nuclear fuel handling (one year in the case of those who majored in nuclear engineering)  
(b) A person who has engaged in practical nuclear material and nuclear fuel handling for no less than two years after obtaining a license for nuclear fuel material handling  
(c) A person who has obtained a license for supervisor of nuclear fuel material handling abroad or has qualifications equivalent thereto |
| 4. License for nuclear fuel material handling         | (a) A university graduate with a degree in science and technology or a person acknowledged as having equivalent or higher educational qualifications by the Minister of Education or a person with qualifications as an engineer or higher under the National Technical Qualifications Act  
(b) A person who finished the two-year course at a science and engineering college or a person acknowledged as having equivalent or higher educational qualifications by the Minister of Education or a person with qualifications as an industrial engineer or higher under the National Technical Qualifications Act with no less than one year's practical experience in nuclear material and nuclear fuel handling (six months in the case of those who majored in nuclear engineering)  
(c) A high school graduate or a person acknowledged as having equivalent or higher educational qualifications by the Minister of Education or a person with qualifications as a technician or higher under the National Technical Qualifications Act with no less than two years practical experience in nuclear material and nuclear fuel handling  
(d) A person who has obtained a license for nuclear fuel material handling abroad or has qualifications equivalent thereto |
| 5. General license for the radioisotope handling      | (a) A person who finished the two-year course at a science and engineering college or a person acknowledged as having equivalent or higher educational qualifications by the Minister of Education or a person with qualifications as an industrial engineer or higher under the National Technical Qualifications Act with no less than one year's practical experience in handling radioisotopes, etc.  
(b) A high school graduate or a person acknowledged as having equivalent or higher educational qualifications by the Minister of Education or a person with qualifications as a technician or higher under the National Technical Qualifications Act with no less than two years practical experience in handling radioisotopes, etc.  
(c) A person who has obtained a general license for radioisotope handling abroad or has qualifications equivalent thereto as acknowledged by the Commission |
<table>
<thead>
<tr>
<th>Type of License</th>
<th>Qualification for a License Examination</th>
</tr>
</thead>
<tbody>
<tr>
<td>6. Special license for radioisotope</td>
<td>(a) A person with a license as a doctor or dentist who falls under any of the following:</td>
</tr>
<tr>
<td>handling</td>
<td>1) A person with no less than one year's practical experience in medical application of radioisotope, etc. on a human body; and</td>
</tr>
<tr>
<td></td>
<td>2) A person with a license for a supervisor of radiation handling.</td>
</tr>
<tr>
<td></td>
<td>(b) A person who has obtained a special license for radioisotope handling abroad or has qualifications equivalent thereto as acknowledged by the Commission.</td>
</tr>
<tr>
<td>7. License for supervisor of</td>
<td>(a) A university graduate with a degree in science and technology or a person acknowledged as having equivalent or higher educational qualifications by the Minister of Education or a person with qualifications as an engineer or higher under the National Technical Qualifications Act with no less than two years practical experience in providing protection against radiation hazards</td>
</tr>
<tr>
<td>radiation handling</td>
<td>(b) A person who has engaged in practical protection against radiation hazards for no less than two years after obtaining a general license for radioisotope handling</td>
</tr>
<tr>
<td></td>
<td>(c) A person with a special license for radioisotope handling</td>
</tr>
<tr>
<td></td>
<td>(d) A person who has obtained a license for supervisor of radiation handling abroad or has qualifications equivalent thereto as acknowledged by the Commission</td>
</tr>
</tbody>
</table>
### Subjects of License Examination by Type of License

[Related to Article 120]

<table>
<thead>
<tr>
<th>Type of License</th>
<th>Examination Method</th>
<th>Subjects of Examination</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. License for supervisor of nuclear reactor operation</td>
<td>1. Written test</td>
<td>To test the following as regards professional knowledge and the ability to apply such knowledge necessary for the performance of duty as a supervisor of nuclear reactor operation by type and capacity of nuclear reactors and nuclear steam supply system. 1. Nuclear reactor theory 2. Structure, materials and design of reactor facility 3. Nuclear reactor operation control 4. Handling and management of nuclear fuel material, etc. 5. Radiation safety control 6. Nuclear energy-related laws</td>
</tr>
<tr>
<td></td>
<td>2. Practical Test</td>
<td>To test the following as regards practical ability, necessary for the performance of duty as a supervisor of nuclear reactor operation, at a simulator of the relevant nuclear reactor according to the type, capacity and supplier of the nuclear steam supply system. Provided, that in the case of a nuclear reactor without any installed simulator, such test shall be conducted at the main control room of the relevant power plant: 1. Procedure of nuclear reactor preliminary/commission operation and manipulation for such operation 2. Discernment of directing signal and relevant measure 3. Use of instrumentation facility and reading method 4. Characteristic and operation of reactor facility 5. Function and usage of radiation monitoring facility 6. Protection against radiation hazard 7. Emergency preparedness</td>
</tr>
<tr>
<td>2. License for operator of nuclear reactor</td>
<td>1. Written Text</td>
<td>To test the following as regards general knowledge and the ability to apply such knowledge necessary for the performance of duty as an operator of a nuclear reactor by type and capacity of nuclear reactor: 1. Nuclear reactor theory 2. Structure of reactor facility 3. Nuclear reactor operation control 4. Radiation safety control 5. Nuclear energy-related laws (excluding laws related with the nuclear fuel cycle facility and the use of nuclear material)</td>
</tr>
<tr>
<td>Type of License</td>
<td>Examination Method</td>
<td>Subjects of Examination</td>
</tr>
<tr>
<td>-----------------</td>
<td>--------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>2. Practical Test</td>
<td>To test the following as regards practical ability, necessary for the performance of duty as a supervisor of nuclear reactor operation, at a simulator of the relevant nuclear reactor according to the type, capacity and supplier of the nuclear steam supply system. Provided, that in the case of a nuclear reactor without any installed simulator, such test shall be conducted at the main control room of the relevant power plant:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1. Procedure of nuclear reactor preliminary/commission operation and manipulation for such operation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Discernment of directing signal and relevant measure</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. Use of instrumentation facility and reading method</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4. Characteristic and operation of reactor facility</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5. Function and usage of radiation monitoring facility</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6. Protection against radiation hazard</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7. Emergency preparedness</td>
<td></td>
</tr>
<tr>
<td>3. License for the supervisor of nuclear fuel material handling</td>
<td>Written test</td>
<td>To test the following as regards professional knowledge and techniques necessary for performance of duties as a supervisor of nuclear fuel material handling:</td>
</tr>
<tr>
<td></td>
<td>1. Chemical and physical property of nuclear fuel material</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Nuclear fuel material handling techniques</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. Techniques related to radiation measurement and radiation protection</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4. Nuclear energy-related laws (excluding laws related with nuclear reactor control, etc.)</td>
<td></td>
</tr>
<tr>
<td>4. License for nuclear fuel material handling</td>
<td>Written test</td>
<td>To test the following as regards general knowledge and techniques necessary for the performance of duties as an operator of nuclear fuel material handling:</td>
</tr>
<tr>
<td></td>
<td>1. Basic knowledge of chemical/physical properties of nuclear fuel materials</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Basic knowledge of nuclear fuel material handling techniques</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. Basic knowledge of radiation measurement and radiation protection</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4. Nuclear energy-related Laws (excluding laws related with nuclear reactor control, etc.)</td>
<td></td>
</tr>
<tr>
<td>5. General license for radioisotope handling</td>
<td>Written test</td>
<td>To test the following as regards general knowledge and techniques necessary for the performance of duties as an operator of radioisotope handling:</td>
</tr>
<tr>
<td></td>
<td>1. Basic nuclear energy theory</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Basic knowledge of radioisotope and radiation handling techniques</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. Basic knowledge of radiation protection</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4. Nuclear energy-related laws (limited to the Atomic Energy Act and laws related to radiation protection)</td>
<td></td>
</tr>
<tr>
<td>Type of License</td>
<td>Examination Method</td>
<td>Subjects of Examination</td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>--------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>6. Special license for radioisotope handling</td>
<td>Written test</td>
<td>To test the following as regards professional knowledge and techniques necessary for performance of duties as an operator of radioisotope handling on a human body:&lt;br&gt;1. Radiation hazard and radiation protection&lt;br&gt;2. Matters related with radioisotope and radiation regarding one of medical science or dentistry-related subjects as selected by the applicant&lt;br&gt;3. Techniques to medically apply radioisotope, etc. on a human body&lt;br&gt;4. Nuclear energy-related laws (limited to the Atomic Energy Act and laws related to radiation protection)</td>
</tr>
<tr>
<td>7. License for supervisor of radiation handling</td>
<td>Written test</td>
<td>To test the following as regards professional knowledge and techniques necessary for performance of duties as a supervisor of radiation handling:&lt;br&gt;1. Radiation hazard and radiation protection&lt;br&gt;2. Nuclear energy theory (limited to those related to radiation among physics, chemistry and biology)&lt;br&gt;3. Techniques for radioisotope and radiation handling and measurement&lt;br&gt;4. Nuclear energy-related laws (limited to the Atomic Energy Act and laws related to radiation protection)</td>
</tr>
</tbody>
</table>
Matter to Be Entrusted to the Korea Institute of Nuclear Safety

[Related to Article 154 (2) of the Decree]

1. Matters set forth in the following as regards safety review related to the approval, permit or designation as set forth in Subparagraph 1 of Article 111 (1) of the Act:
   (a) Safety review related to the construction permit of nuclear power reactor and related facilities as provided in the former and latter parts of Article 10 (1) of the Act;
   (b) Safety review related to standard design approval as provided in the former and latter parts of Article 12 (1) of the Act;
   (c) Safety review related to the operating license of nuclear power reactor and related facilities as provided in the former and latter parts of Article 20 (1) of the Act;
   (d) Safety review related to the construction permit of nuclear research reactor and related facilities, etc. as provided in the former and latter parts of Article 30 (1) of the Act;
   (e) Safety review related to the permit or designation of a nuclear fuel cycle business as provided in the former and latter parts of Article 35 (1) of the Act and the former part of Article 35 (2) of the Act;
   (f) Safety review related to the permit for the use or possession of nuclear fuel material as provided in the former and latter parts of Article 45 (1) of the Act;
   (g) Safety review related to the permit for the production, use, mobile use and sale of radioisotope, etc. as provided in the former and latter parts of Article 53 (1) of the Act; and
   (h) Safety review related to the construction/operation permit of disposal facility, etc. as provided in the former and latter parts of Article 63 (1) of the Act.

2. Matter set forth in the following as regards safety review concerning approval as provided in Subparagraph 2 of Article 111 (1) of the Act:
   (a) Safety review related to a prior approval for a construction site as provided in Article 10 (3) of the Act (including those cases to which said provision applies mutatis mutandis according to Article 69 of the Act);
   (b) Safety review related to approval of the decommissioning of
Enforcement Decree of the Nuclear Safety Act

nuclear power reactor and related facilities as provided in the former and latter parts of Article 28 (1) of the Act (including those cases to which said provision applies mutatis mutandis according to Article 34 of the Act);
(c) Safety review related to approval of change of a spent nuclear fuel processing business as provided in the latter part of Article 35 (2) of the Act;
(d) Safety review related to approval of the decommissioning of nuclear fuel cycle facility as provided in the former and latter parts of Article 42 (1) of the Act;
(e) Safety review related to design approval of radiation equipment as provided in the former and latter parts of Article 60 (1) of the Act;
(f) Safety review related to design approval of the containers for packaging or transporting radioactive material according to the former and latter parts of Article 76 (1) of the Act; and
(g) Safety review related to the approval of a topical report as provided in Article 100 (1) of the Act.
3. Matters related to research and development of standards (including technical standards) as provided in Subparagraph 3 of Article 111 (1) of the Act
4. Matters set forth in the following as regards inspection, confirmation and checkup as provided in Subparagraph 4 of Article 111 (1) of the Act:
(a) Inspection of the construction of nuclear power reactor and related facilities as provided in Article 16 (1) of the Act (including those cases to which said provision applies mutatis mutandis according to Article 34 of the Act);
(b) Inspection of the operations of nuclear power reactor and related facilities as provided in Article 22 (1) of the Act (including those cases to which said provision applies mutatis mutandis according to Article 34 of the Act);
(c) Confirmation and checkup of the decommissioning of nuclear power reactor and related facilities as provided in Article 28 (3) of the Act (including those cases to which said provision applies mutatis mutandis according to Article 34 of the Act);
(d) Inspection of the installation/operation of nuclear fuel cycle facility as provided in Article 37 (1) of the Act;
(e) Confirmation and checkup of the status of the decommissioning of nuclear fuel cycle facility as provided in Article 42 (3) of the Act;
(f) Inspection of the use or possession of nuclear fuel material as
provided in Article 47 (1) of the Act:

(g) Inspection of the production, use, mobile use and sale of radioactive isotope, etc. (excluding those inspections regarding the use/mobile use of radioactive isotope, etc. for military purpose) as provided in the main text of Article 56 (1) of the Act;

(h) Inspection of radiation equipment as provided in the main text of Article 61 (1) of the Act;

(i) Inspection of the installation/operation of disposal facility, etc. and the storage, processing and disposal of radioactive wastes as provided in Article 65 (1) of the Act;

(j) Inspection of the packaging or transport of radioactive material, etc. (excluding those inspections regarding the packaging or transport of radioactive material, etc. for military purpose) as provided in Article 75 (1) of the Act;

(k) Inspection of the transport container, etc. being produced or used as provided in the main text of Article 77 (1) of the Act; and

(l) Inspection of dosimeter reading services, etc. as provided in Article 80 (1) of the Act.

5. Execution of license examination as provided in Article 87 referred to in Subparagraph 5 of Article 111 (1) of the Act.

6. Management of the record and report on personal dose of radiation worker read by dosimeter reading service provider as provided in Article 82 referred to in Subparagraph 7 of Article 111 (1) and Article 98 (1) of the Act.

7. Matter set forth in the following as regards the receipt of report and measure as provided in Subparagraph 8 of Article 111 (1) of the Act:

(a) Report of Change in minor matter as provided in the provisos of Article 10 (1), Article 20 (1), Article 28 (1) (including those cases to which said provision applies mutatis mutandis according to Article 34 of the Act), Article 30 (1), Article 30–2 (1), Article 35 (1), Article 35 (2), Article 42 (1), Article 45 (1), Article 53 (1), Article 60 (1), Article 63 (1) and Article 76 (1) of the Act, respectively;

(b) Report in accordance with Article 15–2 and Report of business suspension/discontinuance, etc. as provided in Article 33 of the Act;

(c) Report of business commencement, etc. as provided in Article 43 of the Act (including those cases to which said provision applies mutatis mutandis according to Article 51, Article 62, Article 69 and Article 83 of the Act);

(d) Report of the use of nuclear source material and report on
change thereof as provided in Article 52 (1) of the Act;
(e) Report of temporary change in the place of use as provided in the proviso to Article 53 (1) of the Act;
(f) Report of the use or mobile use of radioisotope, etc. and report
on change thereof as provided in Article 53 (2) of the Act;
(g) Report of appointment, change and dismissal of a radiation safety
officer in accordance with the Article 53–2 (1) and (3)
(h) Report on change in the registration by business agent as provided
in Article 54 (2) of the Act;
(i) Report of transport of radioactive material, etc. as provided in
Article 71 of the Act;
(j) Report of Change by dosimeter reading service providers as
provided in Article 78 (2) of the Act; and
(k) Transfer, temporary storage, discharge, storage, processing, disposal,
decontamination, delivery of record and other measures for facilitating
protection against radiation hazard as regards radioactive material, etc.
or radiation generating device by nuclear enterpriser whose permit or
designation has been revoked or who has discontinued business or use
as provided in Article 95 (1) of the Act
7–2. Execution of the refresher education and training pursuant to
Article 106, Paragraph 2 of the Act out of works stipulated in Article
111, Paragraph 1, Subparagraph 9 of the Act (limited to any person
who has obtained his/her license as stipulated in Article 84, Paragraph
2, Subparagraphs 1 and 2 of Act).
[Amended by Act No. 24689, Aug. 16, 2013]
8. Matter as set forth in the following among the affairs pertaining to the
provisions of Subparagraph 10 of Article 111 (1) of the Act:
(a) Receipt and deliberation of application for and issuance of license
certificates under Article 88 (1) of the Act;
(b) Matter related to expropriation/transfer of nuclear material, etc. as
provided in Article 93 of the Act; and
(c) Reports according to Article 98 (1) and Article 104 (1) of the Act
9. Matter concerning safety review related to registration as provided in
Subparagraph 12 of Article 111 (1) of the Act
10. Matter related to survey of radiation environment and monitoring/
evaluation of radiation and radioactivity in the environment as provided in
Subparagraph 13 of Article 111 (1) of the Act
11. Matter concerning safety review related to periodic safety assessment as
provided in Subparagraph 14 of Article 111 (1) of the Act
12. Matter set forth in the following as regards matter as provided in
Subparagraph 15 of Article 111 (1) of the Act:
(a) Safety audit related to the operating permit for research reactors and
related facilities in accordance with the Article 30–2 (1) of the front and rear ends.

(b) Business related to thr daily workload according to the report under Article 59–2 (6).

(c) Safety control regarding self disposal of radioactive waste other than the radioactive waste of such kind and quantity as prescribed by the Ordinance of the Prime minister as provided in Article 70 (3) of the Act;

(d) Matter related to measure taken in the case of an accident during transport as provided in Article 74 of the Act;

(e) Safety review regarding installation of harmful facility as provided in Article 90 of the Act;

(f) Matter related to the report on the status of package including radioactive material, etc. by nuclear enterpriser (excluding notified user) or person transporting radioactive material, etc. as entrusted by such enterpriser as provided in Article 98 (1) of the Act;

(g) Manpower and technological support for test and sample collection as provided in Article 98 (2) of the Act. Provided, that those affair as set forth in Subparagraph 6 (a) of the attached Table 9 shall be excluded.

(h) Research and development of the standard (including technical standard) necessary for performance of matter under the Act, other than the standard as provided in Subparagraph 3 of Article 111 (1) of the Act.
[Table 8]

Matter to Be Entrusted to the Korea Atomic Energy Research Institute
[Related to Article 154 (3)]

Regarding refresher education and training under Article 106 (2) of the Act as provided in Subparagraph 9 of Article 111 (1) of the Act, implementation of refresher education of license holders under Subparagraph 3 through Subparagraph 7 of Article 84 (2) of the Act who engage in handling nuclear fuel material or radioisotope, etc.
[Table 9]

**Matter to Be Entrusted to the Korea Institute of Nuclear Nonproliferation and Control**

[Related to Article 154 (4)]

1. Matter as set forth in the following as regards the review as provided in Subparagraph 2 of Article 111 (1) of the Act:
   (a) Review regarding regulation on nuclear material control and accountancy of installer of nuclear power reactor as provided in Article 15 of the Act;
   (b) Review regarding regulation on nuclear material control and accountancy of operator of nuclear power reactor as provided in Article 15 of the Act applied mutatis mutandis under Article 29 of the Act;
   (c) Review regarding regulation on nuclear material control and accountancy of installer of nuclear research reactor, etc. as provided in Article 15 of the Act applied mutatis mutandis under Article 34 of the Act;
   (d) Review regarding regulation on nuclear material control and accountancy of nuclear fuel cycle enterpriser as provided in Article 15 of the Act applied mutatis mutandis under Article 44 of the Act;
   (e) Review regarding regulation on nuclear material control and accountancy of nuclear fuel material user as provided in Article 15 of the Act applied mutatis mutandis under Article 51 of the Act; and
   (f) Review regarding regulation on nuclear material control and accountancy of installer of disposal facility as provided in Article 15 of the Act applied mutatis mutandis under Article 69 of the Act.

2. Matter as set forth in the following as regards the inspection as provided in Subparagraph 4 of Article 111 (1) of the Act:
   (a) Inspection of control and accountancy of specific nuclear material by installer of nuclear power reactor as provided in Article 16 (1) of the Act;
   (b) Inspection of control and accountancy of specific nuclear material by operator of nuclear power reactor as provided in Article 22 (1) of the Act;
   (c) Inspection of control and accountancy of specific nuclear material by installer of nuclear research reactor, etc. as provided in Article 16 (1) and Article 22 (1) of the Act applied mutatis mutandis under Article 34 of the Act;
(d) Inspections of control and accountancy of specific nuclear material by nuclear fuel cycle enterpriser as provided in Article 37 (1) of the Act;
(e) Inspections of control and accountancy of specific nuclear material by nuclear fuel material user as provided in Article 47 (1) of the Act; and
(f) Inspections of control and accountancy of specific nuclear material by installer of disposal facility, etc. as provided in Article 65 (1) of the Act.

3. Management of information on internationally controlled material under Article 98 (6) of the Act as provided in Subparagraph 6 Article 111 (1) of the Act;

4. Education and training on nuclear control under Article 106 (3) of the Act among the affair as provided in Subparagraph 9 of Article 111 (1) of the Act;

5. Matter that pertains to each of the followings among the affairs as provided in Subparagraph 10 of Article 111 (1) of the Act:

(a) Report of internationally controlled material and related research as well as submission of document among the affairs related with report as provided in Article 98 (1) of the Act;

(b) Manpower and technological support for affair related with export and import as provided in Article 107 of the Act. Provided, that any matter set forth in Subparagraph 6 (e) of the attached Table 10 shall be excluded.

6. Matter set forth in any of the following among the affairs as provided in Subparagraph 15 of Article 111 (1) of the Act:

(a) Manpower and technological support for test and sample collection as provided in Article 98 (2) (limited to the supporter for those who handle internationally controlled material or perform research related thereto) and Article 98 (4) of the Act; and

(b) Installation of equipment to monitor the movement of internationally controlled material under Article 98 (6) of the Act.
### Duties entrusted to the Korea Nuclear Safety Foundation  
[related to Article 154 (5)]

1. Refresher education performed for persons whose duties involve the handling of radioactive isotopes etc. among the license holders under Article 84 (2) 5 to 7 of the Act among refresher education performed under Article 106 (2) pursuant to Article 111 (1) 9 of the Act.

2. The below-listed items among the duties provided under Article 111 (1) 10 of the Act:
   (a) Matters concerning the administration of reporting concerning records of the exposure of radiation workers and frequent visitors among matters concerning reporting under Article 98 (1) of the Act;
   (b) Matters concerning the administration of reports of physical checkups of workplace education for radiation workers among matters concerning reporting under Article 98 (1) of the Act.
   (c) Matters concerning the administration of reports on the outcome of workplace education for radiation workers other than radiation safety managers among matters concerning reporting under Article 98 (1) of the Act.

3. The below-listed items among the duties provided under Article 111 (1) 15 of the Act:
   (a) Survey and analysis of technical trends, and prediction of technical demands related to the development of R&D plans for nuclear safety under Article 9 (1) of the Act;
   (b) Matters concerning the receipt, review and assessment of R&D tasks related to the yearly selection of R&D tasks under Article 9 (1) of the Act;
   (c) Matters concerning the signing of agreements, process management, outcome assessment, and follow-up administration of R&D tasks related to the implementation of nuclear safety R&D projects under Article 9 (1) of the Act;
   (d) Matters concerning the management of expenses required for the implementation of nuclear safety R&D projects under Article 9 (2) of the Act.
   (e) Affairs related to importation and exportation under Article 107 of the Act; and
   (f) has been deleted.
[Table 10]

**Matter that May Be Delegated to Administrative Institution, National and Public Research Institute or Related Professional Institution as Designated by the Commission**  
[Related with Article 154 (6)]

1. Matters related to research and development of standards (including technical standards) under Article 111 (1) 3 of the Act.

2. The below-listed items among inspections under Article 111 (1) 4 of the Act:
   (a) Inspection for military use or mobile use of radioactive isotopes as provided under Article 56 of the Act;
   (b) Military-purpose packing and transportation of radioactive isotopes as provided under Article 75 of the Act.

3. Refresher education performed for persons whose duties involve the handling of nuclear materials or radioactive isotopes etc. among the license holders under Article 84 (2) 3 to 7 of the Act among refresher education performed under Article 106 (2) pursuant to Article 111 (1) 9 of the Act.
[Table 10-2]

**Criteria for the calculation of dues**

[related to Article 156 (1)]

1. Calculation criteria for dues

| Volume of work in prior year x base unit price |

2. Volume of work by duty

The value obtained by multiplying the number of persons input by the contractor into the duty by the number of days worked based on the prior year.

3. Base unit price

(a) Any one person’s dues to be imposed among those falling under 1) through 7) below: Value with the unit price of expense items based on the classification of the following Table:

1) One who has submitted an application for a construction permit under Article 17
2) One who has submitted an application for a license under Article 48 or 53
3) One who has submitted an application for a license under Article 96
4) One who has installed a nuclear power reactor
5) One who operates a nuclear power reactor
6) One who provides a nuclear fuel cycling service
7) Those who construct or operate radioactive waste management facilities

<table>
<thead>
<tr>
<th>Expense items</th>
<th>Detail contents</th>
<th>Unit price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Direct wages</td>
<td>Wages the contractor has paid to personnel input to perform the outsourced duties</td>
<td>Average daily remuneration per employee based on the current state of officers and employees managed and wages execution disclosed pursuant to Article 11 of the Act on the Management of Public Institutions</td>
</tr>
<tr>
<td>2. Direct expenses</td>
<td>Expenses the contractor has paid directly for the performance of outsourced duties</td>
<td>Amount equivalent to 84.9% of the direct wages</td>
</tr>
<tr>
<td>3. Various expenses</td>
<td>Expenses the contractor has paid for the performance of outsourced duties other than direct expenses</td>
<td>Amount equivalent to 54.73% of the direct wages</td>
</tr>
</tbody>
</table>

(b) Those from whom dues to be collected other than those falling under a. above: Value determined and published by the Commission within the unit price of direct wages under the Table under a.
[Table 10-3]

**Amount of dues imposed**
[related to Article 156 (2)]

1. Dues related to the management of records and reports on radiation exposure read by dosimeter reading service providers under Article 98 (1) of the Act: 20,000 won per person per year

2. Dues related to the conduct of refresher training under Article 106 (2) of the Act:

<table>
<thead>
<tr>
<th>License</th>
<th>Dues</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Nuclear reactor operator’s license</td>
<td>1) Common courses</td>
</tr>
<tr>
<td></td>
<td>2) Specialized courses</td>
</tr>
<tr>
<td></td>
<td>3) Hands-on training course</td>
</tr>
<tr>
<td>b. Nuclear reactor operation supervisor’s license</td>
<td>1) Common courses</td>
</tr>
<tr>
<td></td>
<td>2) Specialized courses</td>
</tr>
<tr>
<td></td>
<td>3) Hands-on training course</td>
</tr>
<tr>
<td>c. License for the handling of nuclear fuel materials</td>
<td></td>
</tr>
<tr>
<td>d. License for supervisor of nuclear fuel handling</td>
<td></td>
</tr>
<tr>
<td>e. General license for the handling of radioactive isotopes</td>
<td></td>
</tr>
<tr>
<td>f. Special license for the handling of radioactive isotopes</td>
<td></td>
</tr>
<tr>
<td>g. License for supervisor of radiation handling</td>
<td></td>
</tr>
</tbody>
</table>

3. Dues related to importation and exportation under Article 107 of the Act

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classes or Kinds</th>
<th>Dues</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Verification of requirements for import/export declaration</td>
<td>1) Opened radioactive isotopes</td>
<td>a) 3.0 won per dollar of import price</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b) 1.8 won per dollar of export price</td>
</tr>
<tr>
<td></td>
<td>2) Sealed radioactive isotopes or appliances embedded with radioactive isotopes</td>
<td>a) 2.5 won per dollar of import price</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b) 2.0 won per dollar of export price</td>
</tr>
<tr>
<td></td>
<td>3) Devices generating radiation or components constituting radiation generating devices</td>
<td>1.8 won per dollar of import/export price</td>
</tr>
</tbody>
</table>
Enforcement Decree of the Nuclear Safety Act

| b. Exempted from certification of export/import declaration requirements | 1) Radioactive isotopes | 3.0 won per dollar of import/export price |
| 2) Devices generating radiation | 2.0 won per dollar of import/export price |

**Remarks**
1. The trading base rate that KEB posts for foreign currency exchange for the first time on the first day of each quarter is applied.
2. When any items on which dues were imposed at the time of import are included in export items, the dues related to the export of such items shall be calculated by deducting their import price from their export price.
3. The amount of dues shall be 2 million won or less per declaration.
Type of Violation subject to Penalty Surcharge and Amount of Penalty Surcharge

[Related to Article 175]

1. General criteria
   A. Administrative disposition-related criteria associated with the frequency of violations shall apply to similar violations perpetrated over the past two years. In this case, the criteria shall apply based on the period from the date of first administrative disposition until the date of the second perpetration of a similar violation.
   B. The person having disposition authority may expand/increase or reduce the period or amount of fine within half of the period for suspension of business or the amount of fine under Section 2. Individual Criteria considering the motive, content, frequency, and extent of violation. In this case, the expansion/increase of the period or amount of fine shall not exceed the following: the period stated in Article 17 (1), Article 24 (1), Article 32 (1), Article 38 (1), Article 48 (1), Article 52 (6), Article 57 (1), Article 66 (1), Article 81 (1) of the Act, or the amount stated in Article 17 (2) [including the mutatis mutandis application in Article 24 (2), Article 32 (2), Article 38 (2) and Article 66 (2) of the Act], Article 48 (2) [including the mutatis mutandis application in Article 52 (7) of the Act], and Article 57 (2) of the Act [including the mutatis mutandis application in Article 81 (2) of the Act].

1) Factors for reduction
   A) Act of violation deemed to have been caused by carelessness or error rather than by willful misconduct or gross negligence
   B) Act of violation deemed to be trivial and which will consequently have little impact on people’s health and environment
   C) First case of violation, with the party carrying out the relevant business faithfully for more than 2 years

2) Factors for expansion or increase
   A) Act of violation deemed to have been caused by willful misconduct or gross negligence rather than by carelessness or error
   B) Act of violation deemed to be serious and which will consequently have considerable impact on people’s health and environment
   C) Need for aggravated punishment considering the period and frequency of violation
2. Individual Criteria

(1) Installer of a nuclear power reactor

<table>
<thead>
<tr>
<th>Type of Violation</th>
<th>Relevant provision</th>
<th>1st violation</th>
<th>2nd violation</th>
<th>3rd or more violation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>suspension of operation</td>
<td>penalty surcharge</td>
<td>suspension of operation</td>
</tr>
<tr>
<td>A. Failure to commence the construction work within 2 years of obtaining the permit without justifiable reason or stoppage of the work for more than a year on end</td>
<td>Art. 17(1) 2 of the Act</td>
<td>1 month</td>
<td>W 400 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>B. Alteration without obtaining permit under the latter part of Article 10 (1) of the Act</td>
<td>Art. 17 (1) 3 of the Act</td>
<td>3 months</td>
<td>W 1200 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>C. Falling short of the criteria for authorization stipulated in Article 11 of the Act</td>
<td>Art. 17 (1) 4 of the Act</td>
<td>1 month</td>
<td>W 400 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>D. Violation of Article 15 (1) of the Act</td>
<td>Art. 17 (1) 7 of the Act</td>
<td>1 month</td>
<td>W 400 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>E. Violation of an order given under Article 16 (2) or Article 98 (1) and (3) of the Act</td>
<td>Art. 17 (1) 6 of the Act</td>
<td>2 months</td>
<td>W 800 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>F. Violation of Article 94 or Article 96 of the Act</td>
<td>Art. 17 (1) 7 of the Act</td>
<td>3 months</td>
<td>W 1200 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>G. Violation of conditions for permit under Article 99 of the Act</td>
<td>Art. 17 (1) 8 of the Act</td>
<td>2 months</td>
<td>W 800 Mil</td>
<td>4 months</td>
</tr>
</tbody>
</table>
## (2) Operator of Nuclear Power Reactor

<table>
<thead>
<tr>
<th>Type of Violation</th>
<th>Relevant provision</th>
<th>1st violation</th>
<th>2nd violation</th>
<th>3rd or more violation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>suspension of operation</td>
<td>penalty surcharge</td>
<td>suspension of operation</td>
</tr>
<tr>
<td>A. Failure to commence the construction work within 5 years of obtaining the permit without justifiable reason or stoppage of the work for more than a year on end</td>
<td>Art. 24 (1) 2 of the Act</td>
<td>3 months</td>
<td>₩1200 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>B. Alteration without obtaining permit under the latter part of Article 20 (1) of the Act</td>
<td>Art. 24 (1) 3 of the Act</td>
<td>3 months</td>
<td>₩1200 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>C. Falling short of the criteria for authorization stipulated in Article 21 of the Act</td>
<td>Art. 24 (1) 5 of the Act</td>
<td>3 months</td>
<td>₩1200 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>D. Violation of an order given under Article 22 (2), Article 23 (2), or Article 98 (1) and (3) of the Act</td>
<td>Art. 24 (1) 6 of the Act</td>
<td>3 months</td>
<td>₩1200 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>E. Violation of Article 26 of the Act</td>
<td>Art. 24 (1) 8 of the Act</td>
<td>3 months</td>
<td>₩1200 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>F. Violation of an order given under Article 27 or Article 92 (2) of the Act</td>
<td>Art. 24 (1) 6 of the Act</td>
<td>6 months</td>
<td>₩2400 Mil</td>
<td>9 months</td>
</tr>
<tr>
<td>G. Violation of Article 15 (1) of the Act, which applies mutandis mutandis under Article 29 of the Act</td>
<td>Art. 24 (1) 7 of the Act</td>
<td>1 month</td>
<td>₩400 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>H. Violation of Article 70 (1) or (2) of the Act</td>
<td>Art. 24 (1) 8 of the Act</td>
<td>6 months</td>
<td>₩2400 Mil</td>
<td>9 months</td>
</tr>
<tr>
<td>I. Violation of Article 70 (3) or (4) of the Act</td>
<td>Art. 24 (1) 8 of the Act</td>
<td>1 month</td>
<td>₩400 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>J. Violation of Article 89 (5), Article 94, Article 96, or Article 106 (1) of the Act</td>
<td>Art. 24 (1) 8 of the Act</td>
<td>2 months</td>
<td>₩800 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>K. Violation of conditions for authorization under Article 99 of the Act</td>
<td>Art. 24 (1) 9 of the Act</td>
<td>2 months</td>
<td>₩800 Mil</td>
<td>4 months</td>
</tr>
</tbody>
</table>
(3) Installer of a nuclear reactor facility for research, etc.; operator of a nuclear reactor facility for research, etc.

<table>
<thead>
<tr>
<th>Type of Violation</th>
<th>Relevant provision</th>
<th>1st violation</th>
<th>2nd violation</th>
<th>3rd or more violation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>suspension of operation</td>
<td>penalty surcharge</td>
<td>suspension of operation</td>
</tr>
<tr>
<td>A. Failure to commence the construction work within 3 years of obtaining the permit without justifiable reason or stoppage of the work for more than a year on end</td>
<td>Art. 32 (1) 2 of the Act</td>
<td>1 month</td>
<td>W 40 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>B. Alteration without obtaining permit under the latter part of Article 30 (1) and latter part of Article 30-2 (1) of the Act</td>
<td>Art. 32 (1) 5 of the Act</td>
<td>3 months</td>
<td>W 120 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>C. Falling short of the criteria for authorization stipulated in Articles 11 and 21 of the Act, which apply mutatis mutandis under Article 30 (3) and Article 30-2 (3) of the Act</td>
<td>Art. 32 (1) 3 of the Act</td>
<td>1 month</td>
<td>W 40 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>D. Violation of an order given under Article 31 (3) or Article 98 (1) and (3) of the Act</td>
<td>Art. 32 (1) 8 of the Act</td>
<td>3 months</td>
<td>W 120 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>E. Violation of Article 15 (1) or Article 26 of the Act, which applies mutatis mutandis under Article 34 of the Act</td>
<td>Art. 32 (1) 6 of the Act</td>
<td>1 month</td>
<td>W 40 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>F. Violation of an order given under Article 16 (2) or Article 22 (2), which applies mutatis mutandis under Article 34 of the Act</td>
<td>Art. 32 (1) 7 of the Act</td>
<td>3 months</td>
<td>W 120 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>G. Violation of an order given under Article 23 (2) of the Act, which applies mutatis mutandis under Article 34 (1) of the Act</td>
<td>Art. 32 (1) 11 of the Act</td>
<td>3 months</td>
<td>W 120 Mil</td>
<td>6 months</td>
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<tr>
<td>H. Violation of an order given under Article 27, which applies mutatis mutandis under Article 34 of the Act</td>
<td>Art. 32 (1) 7 of the Act</td>
<td>6 months</td>
<td>W 240 Mil</td>
<td>9 months</td>
</tr>
<tr>
<td>I. Violation of an order given under Article 92 (2) of the Act</td>
<td>Art. 32 (1) 8 of the Act</td>
<td>6 months</td>
<td>W 240 Mil</td>
<td>9 months</td>
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</tbody>
</table>
### Enforcement Decree of the Nuclear Safety Act

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<th>Type of Violation</th>
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<td>penalty surcharge</td>
<td>suspension of operation</td>
</tr>
<tr>
<td>J. Violation of Article 70 (1) or Article 70 (2) of the Act</td>
<td>Art. 32 (1) 9 of the Act</td>
<td>6 months</td>
<td>W 240 Mil</td>
<td>9 months</td>
</tr>
<tr>
<td>K. Violation of Article 70 (3) or Article 70 (4) of the Act</td>
<td>Art. 32 (1) 9 of the Act</td>
<td>1 month</td>
<td>W 40 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>L. Violation of Article 89 (5), Article 94, Article 96, or Article 106 (1) of the Act</td>
<td>Art. 32 (1) 9 of the Act</td>
<td>2 months</td>
<td>W 80 Mil</td>
<td>4 months</td>
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<tr>
<td>M. Violation of conditions for authorization under Article 99 of the Act</td>
<td>Art. 32 (1) 10 of the Act</td>
<td>2 months</td>
<td>W 80 Mil</td>
<td>4 months</td>
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### (4) Nuclear fuel cycle business operator

<table>
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<td>suspension of operation</td>
<td>penalty surcharge</td>
<td>suspension of operation</td>
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<tr>
<td>A. Failure to commence the authorized or designated work within 2 years (for a refining business; 10 years for a business concerning used nuclear fuel) of obtaining the permit without justifiable reason or stoppage of the work for more than a year on end</td>
<td>Art. 38 (1) 2 of the Act</td>
<td>3 months</td>
<td>W 1200 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>B. Alteration without obtaining permit or approval under the latter part of Article 35 (1) or latter part of Article 35 (2) of the Act</td>
<td>Art. 38 (1) 3 of the Act</td>
<td>3 months</td>
<td>W 1200 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>C. Falling short of the criteria for authorization or designation stipulated in Article 36 of the Act</td>
<td>Art. 38 (1) 5 of the Act</td>
<td>2 months</td>
<td>W 800 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>D. Violation of an order given under Article 37 (2) or Article 98 (1) and (3) of the Act</td>
<td>Art. 38 (1) 6 of the Act</td>
<td>3 months</td>
<td>W 1200 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>Type of Violation</td>
<td>Relevant provision</td>
<td>1st violation</td>
<td>2nd violation</td>
<td>3rd or more violation</td>
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<td>penalty surcharge</td>
<td>penalty surcharge</td>
<td>penalty surcharge</td>
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<tr>
<td>E. Violation of Article 40 (1) and (2), Article 89 (5), Article 94, Article 96, or Article 100 (1) of the Act</td>
<td>Art. 38 (1) 7 of the Act</td>
<td>3 months W 1200 Mil</td>
<td>6 months W 2400 Mil</td>
<td>9 months W 3600 Mil</td>
</tr>
<tr>
<td>F. Violation of an order given under Article 41 or Article 92 (2) of the Act</td>
<td>Art. 38 (1) 6 of the Act</td>
<td>6 months W 2400 Mil</td>
<td>9 months W 3600 Mil</td>
<td>12 months W 5000 Mil</td>
</tr>
<tr>
<td>G. Violation of Article 15 (1) of the Act, which applies mutatis mutandis under Article 44 of the Act</td>
<td>Art. 38 (1) 8 of the Act</td>
<td>1 month W 400 Mil</td>
<td>2 months W 800 Mil</td>
<td>3 months W 1200 Mil</td>
</tr>
<tr>
<td>H. Violation of Article 70 (1) or (2) of the Act</td>
<td>Art. 38 (1) 7 of the Act</td>
<td>6 months W 2400 Mil</td>
<td>9 months W 3600 Mil</td>
<td>12 months W 5000 Mil</td>
</tr>
<tr>
<td>I. Violation of Article 70 (3) or (4) of the Act</td>
<td>Art. 38 (1) 7 of the Act</td>
<td>1 month W 400 Mil</td>
<td>2 months W 800 Mil</td>
<td>3 months W 1200 Mil</td>
</tr>
<tr>
<td>J. Violation of conditions for authorization or designation under Article 99 of the Act</td>
<td>Art. 38 (1) 9 of the Act</td>
<td>2 months W 800 Mil</td>
<td>4 months W 1600 Mil</td>
<td>8 months W 3200 Mil</td>
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(5) User of nuclear fuel material

<table>
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<th>Type of Violation</th>
<th>Relevant provision</th>
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<tr>
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<td>suspension of operation</td>
<td>penalty surcharge</td>
<td>suspension of operation</td>
</tr>
<tr>
<td>A. Alteration without obtaining a permit under the latter part of Article 45 (1) of the Act</td>
<td>Art. 48 (1) 2 of the Act</td>
<td>3 months</td>
<td>W 60 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>B. Falling short of the criteria for authorization stipulated in Article 46 of the Act</td>
<td>Art. 48 (1) 4 of the Act</td>
<td>2 months</td>
<td>W 40 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>C. Violation of an order given under Article 47 (2) or Article 98 (1) and (3) of the Act</td>
<td>Art. 48 (1) 6 of the Act</td>
<td>2 months</td>
<td>W 40 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>D. Violation of an order given under Article 50 (2) or Article 92 (2) of the Act</td>
<td>Art. 48 (1) 6 of the Act</td>
<td>6 months</td>
<td>W 120 Mil</td>
<td>9 months</td>
</tr>
<tr>
<td>E. Violation of Article 50 (3) of the Act</td>
<td>Art. 48 (1) 5 of the Act</td>
<td>2 months</td>
<td>W 40 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>F. Violation of Article 15 (1) of the Act, which applies mutatis mutandis under Article 51 of the Act</td>
<td>Art. 48 (1) 5 of the Act</td>
<td>1 month</td>
<td>W 20 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>G. Violation of Article 70 (1) or Article 70 (2) of the Act</td>
<td>Art. 48 (1) 7 of the Act</td>
<td>2 months</td>
<td>W 40 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>H. Violation of Article 70 (3) or Article 70 (4) of the Act</td>
<td>Art. 48 (1) 7 of the Act</td>
<td>1 month</td>
<td>W 20 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>I. Violation of Article 94 • Article 96 or Article 106 (1) of the Act</td>
<td>Art. 48 (1) 7 of the Act</td>
<td>2 months</td>
<td>W 40 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>J. Violation of conditions for authorization under Article 99 of the Act</td>
<td>Art. 48 (1) 8 of the Act</td>
<td>1 month</td>
<td>W 20 Mil</td>
<td>2 months</td>
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</tbody>
</table>
(6) User of Nuclear Source Material

<table>
<thead>
<tr>
<th>Type of Violation</th>
<th>Relevant provision</th>
<th>1st violation</th>
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<th>3rd or more violation</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>suspension of operation</td>
<td>penalty surcharge</td>
<td>suspension of operation</td>
</tr>
<tr>
<td>A. Reporting using false or dishonest means</td>
<td>Art. 52 (6) 1 of the Act</td>
<td>3 months</td>
<td>₩ 45 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>B. Alteration of a reported matter without reporting on alteration under the latter part of Article 52 (1) of the Act</td>
<td>Art. 52 (6) 2 of the Act</td>
<td>2 months</td>
<td>₩ 30 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>C. Violation of an order given under Article 52 (3) or Article 98 (1) and (3) of the Act</td>
<td>Art. 52 (6) 4 of the Act</td>
<td>2 months</td>
<td>₩ 30 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>D. Falling under the category of Article 14. 1, 2, and 4 of the Act, which applies mutatis mutandis under Article 52 (5) of the Act (Note, however, that the foregoing shall not apply if the replacement is selected within 3 months of the time the representative of a corporation falls under said category.)</td>
<td>Art. 52 (6) 3 of the Act</td>
<td>3 months</td>
<td>₩ 45 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>E. Violation of an order given under Article 92 (2) of the Act</td>
<td>Art. 52 (6) 4 of the Act</td>
<td>3 months</td>
<td>₩ 45 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>F. Violation of Article 106 (1) of the Act</td>
<td>Art. 52 (6) 5 of the Act</td>
<td>2 months</td>
<td>₩ 30 Mil</td>
<td>4 months</td>
</tr>
</tbody>
</table>
(7) Person who has obtained permit for the production of radioisotopes, etc.

<table>
<thead>
<tr>
<th>Type of Violation</th>
<th>Relevant provision</th>
<th>1st violation</th>
<th>2nd violation</th>
<th>3rd or more violation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>suspension of operation</td>
<td>penalty surcharge</td>
<td>suspension of operation</td>
</tr>
<tr>
<td>A. Failure to commence the authorized work within 1 year of obtaining the permit without justifiable reason or stoppage of the work for more than a year on end</td>
<td>Art. 57 (1) 2 of the Act</td>
<td>2 months</td>
<td>W 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>B. Alteration of an authorized matter without obtaining authorization for alteration under the latter part of Article 53 (1) of the Act</td>
<td>Art. 57 (1) 3 of the Act</td>
<td>3 months</td>
<td>W 75 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>C. Falling short of the criteria for authorization stipulated in Article 55 (1) of the Act</td>
<td>Art. 57 (1) 5 of the Act</td>
<td>2 months</td>
<td>W 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>D. Violation of an order given under Article 56 (2) or Article 98 (1) and (3) of the Act</td>
<td>Art. 57 (1) 6 of the Act</td>
<td>2 months</td>
<td>W 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>E. Violation of an order given under Article 59 (2) or Article 92 (2) of the Act</td>
<td>Art. 57 (1) 6 of the Act</td>
<td>6 months</td>
<td>W 150 Mil</td>
<td>9 months</td>
</tr>
<tr>
<td>F. Violation of Article 59 (3) or Article 106 (1)</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months</td>
<td>W 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>G. Violation of Article 70 (1) or Article 70 (2) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months</td>
<td>W 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>H. Violation of Article 70 (3) or Article 70 (4) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>1 month</td>
<td>W 25 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>I. Violation of Article 94 or Article 96 of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months</td>
<td>W 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>J. Violation of conditions for authorization under Article 99 of the Act</td>
<td>Art. 57 (1) 8 of the Act</td>
<td>1 month</td>
<td>W 25 Mil</td>
<td>2 months</td>
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</table>
(8) Person who has obtained permit for the sale of radioisotopes, etc

<table>
<thead>
<tr>
<th>Type of Violation</th>
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<th>1st violation</th>
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<td>penalty surcharge</td>
<td>suspension of operation</td>
</tr>
<tr>
<td>A. Failure to commence the authorized use or work within 1 year of obtaining the permit without justifiable reason or stoppage of the work for more than a year on end</td>
<td>Art. 57 (1) 2 of the Act</td>
<td>2 months</td>
<td>W 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>B. Alteration of an authorized matter without obtaining authorization for alteration under the latter part of Article 53 (1) of the Act</td>
<td>Art. 57 (1) 3 of the Act</td>
<td>3 months</td>
<td>W 75 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>C. Falling short of the criteria for authorization stipulated in Article 55 (1) of the Act</td>
<td>Art. 57 (1) 5 of the Act</td>
<td>2 months</td>
<td>W 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>D. Violation of an order given under Article 56 (2) or Article 98 (1) and (3) of the Act</td>
<td>Art. 57 (1) 6 of the Act</td>
<td>2 months</td>
<td>W 50 Mil</td>
<td>4 months</td>
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<tr>
<td>E. Violation of an order given under Article 59 (2) or Article 92 (2) of the Act</td>
<td>Art. 57 (1) 6 of the Act</td>
<td>6 months</td>
<td>W 150 Mil</td>
<td>9 months</td>
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<tr>
<td>F. Violation of Article 59 (3) or Article 106 (1) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months</td>
<td>W 50 Mil</td>
<td>4 months</td>
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<tr>
<td>G. Violation of Article 70 (1) or Article 70 (2) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months</td>
<td>W 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>H. Violation of Article 70 (3) or Article 70 (4) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>1 month</td>
<td>W 25 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>I. Violation of Article 94 or Article 96 of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months</td>
<td>W 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>J. Violation of conditions for authorization under Article 99 of the Act</td>
<td>Art. 57 (1) 8 of the Act</td>
<td>1 month</td>
<td>W 25 Mil</td>
<td>2 months</td>
</tr>
</tbody>
</table>
(9) Person who has obtained permit for the use of radioisotopes, etc.

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<tr>
<th>Type of Violation</th>
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</tr>
<tr>
<td>A. Failure to commence the authorized use or work within 1 year of obtaining the permit without justifiable reason or stoppage of the work for more than a year on end</td>
<td>Art. 57 (1) 2 of the Act</td>
<td>2 months</td>
<td>W 40 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>B. Failure to commence the authorized use or work within 2 years of obtaining the permit without justifiable reason or stoppage of the work for more than a year on end</td>
<td>Art. 57 (1) 3 of the Act</td>
<td>3 months</td>
<td>W 60 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>C. Falling short of the criteria for authorization stipulated in Article 55 (1) of the Act</td>
<td>Art. 57 (1) 5 of the Act</td>
<td>2 months</td>
<td>W 40 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>D. Violation of an order given under Article 56 (2) or Article 98 (1) and (3) of the Act</td>
<td>Art. 57 (1) 6 of the Act</td>
<td>2 months</td>
<td>W 40 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>E. Violation of an order given under Article 59 (2) or Article 92 (2) of the Act</td>
<td>Art. 57 (1) 6 of the Act</td>
<td>6 months</td>
<td>W 120 Mil</td>
<td>9 months</td>
</tr>
<tr>
<td>F. Violation of Article 59 (3) or Article 106 (1) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months</td>
<td>W 40 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>G. Violation of Article 70 (1) or (2) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months</td>
<td>W 40 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>H. Violation of Article 70 (3) or (4) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>1 month</td>
<td>W 20 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>I. Violation of Article 94 or Article 96 of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months</td>
<td>W 40 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>J. Violation of Article 94 or Article 96 of the Act</td>
<td>Art. 57 (1) 8 of the Act</td>
<td>1 month</td>
<td>W 20 Mil</td>
<td>2 months</td>
</tr>
</tbody>
</table>
(10) Person who has obtained permit for the mobile use of radioisotopes, etc.

<table>
<thead>
<tr>
<th>Type of Violation</th>
<th>Relevant provision</th>
<th>1st violation</th>
<th>2nd violation</th>
<th>3rd or more violation</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Failure to commence the authorized use or work within 1 year of obtaining the permit without justifiable reason or stoppage of the work for more than a year on end</td>
<td>Art. 57 (1) 2 of the Act</td>
<td>2 months W 80 Mil</td>
<td>4 months W 160 Mil</td>
<td>8 months W 320 Mil</td>
</tr>
<tr>
<td>B. Alteration of an authorized matter without obtaining authorization for alteration under the latter part of Article 53 (1) of the Act</td>
<td>Art. 57 (1) 3 of the Act</td>
<td>3 months W 120 Mil</td>
<td>6 months W 240 Mil</td>
<td>9 months W 360 Mil</td>
</tr>
<tr>
<td>C. Falling short of the criteria for authorization stipulated in Article 55 (1) of the Act</td>
<td>Art. 57 (1) 5 of the Act</td>
<td>2 months W 80 Mil</td>
<td>4 months W 160 Mil</td>
<td>8 months W 320 Mil</td>
</tr>
<tr>
<td>D. Violation of an order given under Article 56 (2) or Article 98 (1) and (3) of the Act</td>
<td>Art. 57 (1) 6 of the Act</td>
<td>2 months W 80 Mil</td>
<td>4 months W 160 Mil</td>
<td>8 months W 320 Mil</td>
</tr>
<tr>
<td>E. Violation of an order given under Article 59 (2) or Article 92 (2) of the Act</td>
<td>Art. 57 (1) 6 of the Act</td>
<td>6 months W 240 Mil</td>
<td>9 months W 360 Mil</td>
<td>12 months W 500 Mil</td>
</tr>
<tr>
<td>F. Violation of Article 59 (3) or Article 106 (1) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months W 80 Mil</td>
<td>4 months W 160 Mil</td>
<td>8 months W 320 Mil</td>
</tr>
<tr>
<td>G. Violation of Article 70 (1) or Article 70 (2) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months W 80 Mil</td>
<td>4 months W 160 Mil</td>
<td>8 months W 320 Mil</td>
</tr>
<tr>
<td>H. Violation of Article 70 (3) or Article 70 (4) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>1 month W 40 Mil</td>
<td>2 months W 80 Mil</td>
<td>3 months W 120 Mil</td>
</tr>
<tr>
<td>I. Violation of Article 94 or Article 96 of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months W 80 Mil</td>
<td>4 months W 160 Mil</td>
<td>8 months W 320 Mil</td>
</tr>
<tr>
<td>J. Violation of conditions for authorization under Article 99 of the Act</td>
<td>Art. 57 (1) 8 of the Act</td>
<td>1 month W 40 Mil</td>
<td>2 months W 80 Mil</td>
<td>3 months W 120 Mil</td>
</tr>
</tbody>
</table>
(11) Notified user of radioisotopes, etc.

<table>
<thead>
<tr>
<th>Type of Violation</th>
<th>Relevant provision</th>
<th>1st violation</th>
<th>2nd violation</th>
<th>3rd or more violation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>suspension of operation</td>
<td>penalty surcharge</td>
<td>suspension of operation</td>
</tr>
<tr>
<td>A. Reporting using false or dishonest means</td>
<td>Art. 57 (1) 1 of the Act</td>
<td>3 months</td>
<td>W 45 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>B. Alteration of a reported matter without reporting on alteration under the latter part of Article 53 (2) of the Act</td>
<td>Art. 57 (1) 3 of the Act</td>
<td>2 months</td>
<td>W 30 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>C. Falling under the category of Article 14, 1, 2, and 4 of the Act, which applies mutatis mutandis under Article 53 (4) of the Act (Note, however, that the foregoing shall not apply if the replacement is selected within 3 months of the time the representative of a corporation falls under said category.)</td>
<td>Art. 57 (1) 4 of the Act</td>
<td>3 months</td>
<td>W 45 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>D. Violation of an order given under Article 59 (2) or Article 92 (2) of the Act</td>
<td>Art. 57 (1) 6 of the Act</td>
<td>3 months</td>
<td>W 45 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>E. Violation of Article 70 (1) or Article 70 (2) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months</td>
<td>W 30 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>F. Violation of Article 70 (3) or Article 70 (4) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>1 month</td>
<td>W 15 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>G. Violation of Article 94 or Article 96 of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months</td>
<td>W 30 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>H. Violation of an order given under Article 98 (1) and (3) of the Act</td>
<td>Art. 57 (1) 6 of the Act</td>
<td>2 months</td>
<td>W 30 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>I. Violation of Article 106 (1) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>1 month</td>
<td>W 15 Mil</td>
<td>2 months</td>
</tr>
</tbody>
</table>
(12) Business agent

<table>
<thead>
<tr>
<th>Type of Violation</th>
<th>Relevant provision</th>
<th>1st violation</th>
<th>2nd violation</th>
<th>3rd or more violation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>suspension of operation</td>
<td>penalty surcharge</td>
<td>suspension of operation</td>
</tr>
<tr>
<td>A. Alteration of a registered matter without reporting on alteration under Article 54 (2) of the Act</td>
<td>Art. 57 (1) 3 of the Act</td>
<td>2 months</td>
<td>₩ 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>B. Falling short of the criteria for registration stipulated in Article 55 (2) of the Act</td>
<td>Art. 57 (1) 5 of the Act</td>
<td>2 months</td>
<td>₩ 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>C. Violation of an order given under Article 56 (2) or Article 98 (1) and (3) of the Act</td>
<td>Art. 57 (1) 6 of the Act</td>
<td>2 months</td>
<td>₩ 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>D. Violation of Article 59 (3) or Article 106 (1) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months</td>
<td>₩ 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>E. Violation of Article 70 (1) or Article 70 (2) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months</td>
<td>₩ 50 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>F. Violation of Article 70 (3) or Article 70 (4) of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>1 month</td>
<td>₩ 25 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>G. Violation of an order under Article 92 (2) of the Act</td>
<td>Art. 57 (1) 6 of the Act</td>
<td>6 months</td>
<td>₩ 150 Mil</td>
<td>9 months</td>
</tr>
<tr>
<td>H. Violation of Article 94 or Article 96 of the Act</td>
<td>Art. 57 (1) 7 of the Act</td>
<td>2 months</td>
<td>₩ 50 Mil</td>
<td>4 months</td>
</tr>
</tbody>
</table>
(13) Constructor/operator of waste facilities, etc.

<table>
<thead>
<tr>
<th>Type of Violation</th>
<th>Relevant provision</th>
<th>1st violation</th>
<th>2nd violation</th>
<th>3rd or more violation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>suspension of operation</td>
<td>penalty surcharge</td>
<td>suspension of operation</td>
</tr>
<tr>
<td>A. Failure to commence the authorized work within 2 years of obtaining the permit without justifiable reason or stoppage of the work for more than a year on end</td>
<td>Art. 66 (1) 2 of the Act</td>
<td>2 months</td>
<td>W 800 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>B. Alteration of an authorized matter without obtaining authorization for alteration under the latter part of Article 63 (1) of the Act</td>
<td>Art. 66 (1) 3 of the Act</td>
<td>3 months</td>
<td>W 1200 Mil</td>
<td>6 months</td>
</tr>
<tr>
<td>C. Falling short of the criteria for authorization stipulated in Article 64 of the Act</td>
<td>Art. 66 (1) 5 of the Act</td>
<td>2 months</td>
<td>W 800 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>D. Violation of an order under Article 65 (2) or Article 98 (1) and (3) of the Act</td>
<td>Art. 66 (1) 7 of the Act</td>
<td>2 months</td>
<td>W 800 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>E. Violation of an order given under Article 68 (2) or Article 92 (2) of the Act</td>
<td>Art. 66 (1) 7 of the Act</td>
<td>6 months</td>
<td>W 2400 Mil</td>
<td>9 months</td>
</tr>
<tr>
<td>F. Violation of Article 68 (3), Article 89 (5), Article 94, Article 96, or Article 106 (1) of the Act</td>
<td>Art. 66 (1) 8 of the Act</td>
<td>2 months</td>
<td>W 800 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td>G. Violation of Article 15 (1) of the Act, which applies mutatis mutandis under Article 69 of the Act</td>
<td>Art. 66 (1) 6 of the Act</td>
<td>1 month</td>
<td>W 400 Mil</td>
<td>2 months</td>
</tr>
<tr>
<td>H. Violation of conditions for authorization under Article 99 of the Act</td>
<td>Art. 66 (1) 9 of the Act</td>
<td>1 month</td>
<td>W 400 Mil</td>
<td>2 months</td>
</tr>
</tbody>
</table>
### (14) Dosimetric service provider

<table>
<thead>
<tr>
<th>Type of Violation</th>
<th>Relevant provision</th>
<th>1st violation</th>
<th>2nd violation</th>
<th>3rd or more violation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>suspension of operation</td>
<td>penalty surcharge</td>
<td>suspension of operation</td>
</tr>
<tr>
<td>A. Failure to commence the registered business within a year of registration without justifiable reason or stoppage of work for more than a year on end</td>
<td>Art. 81 (1) 2 of the Act</td>
<td>2 months</td>
<td>W 70 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td></td>
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<tr>
<td></td>
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</tr>
<tr>
<td>B. Alteration of a registered matter without reporting such under Article 78 (2) of the Act</td>
<td>Art. 81 (1) 3 of the Act</td>
<td>2 months</td>
<td>W 70 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>C. Falling short of the criteria for registration stipulated in Article 79 of the Act</td>
<td>Art. 81 (1) 4 of the Act</td>
<td>1 month</td>
<td>W 35 Mil</td>
<td>2 months</td>
</tr>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>D. Violation of an order under Articles 80 (2) and 98 (1) and (3) of the Act</td>
<td>Art. 81 (1) 6 of the Act</td>
<td>2 months</td>
<td>W 70 Mil</td>
<td>4 months</td>
</tr>
<tr>
<td></td>
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</tr>
</tbody>
</table>
[Table 12]

Criteria for imposition of fine for negligence
[Related to Article 178 of the Decree]

1. General criteria
   A. The standards for additional imposition of an administrative fine according to the frequency of the violation shall apply to cases in which the person has received the disposition of administrative fine imposition for an identical violation in the past 2 years. In this case, the period between the two events shall be calculated as the time between the date on which the disposition of administrative fine imposition was received for the first violation and the date on which the repeat violation was discovered after the disposition.
   B. In case of administering an additional disposition pursuant to Item A., the additional disposition applied shall be based on the administrative fine prescribed for the violation committed following the last violation (i.e. in case there has been two or more instances of disposition of fine imposition within the period referred to in Item A., the last instance of disposition).
   C. The Commission may reduce the amount of the administrative fine by up to half of the amount prescribed in subparagraph 2 in case of any of the following: Provided, That this shall not be the case for violators whose administrative fine is in arrears:
      1) A violator falling under the category stated in the items of Article 2-2 (1) of the Enforcement Decree of the Act on the Regulation of Violations of Public Order
      2) A violation deemed to have been caused by minor carelessness or error
      3) A violator judged to strive to remedy or put an end to his/her status of being in violation of the law
      4) When reducing the fine is deemed necessary considering the level, motive, and result of a violation
   D. The Commission may increase the amount of the administrative fine by up to half of the amount prescribed in subparagraph 2 in case of any of the following: Provided, That it cannot exceed the maximum limit of the administrative fine prescribed in Article 119 (1) of the Act:
      1) When the violation is serious, and its impact on the general public is deemed to be huge
      2) When the violation is designed to conceal or manipulate a more serious violation
      3) When the period of the violation is stretched out for more than 6 months
      4) When increasing the fine is deemed necessary considering the level, motive, and result of a violation
2. Individual Criteria

<table>
<thead>
<tr>
<th>Type of violation</th>
<th>relevant provision</th>
<th>fine for negligence (₩ 10 thousand)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1st violation</td>
</tr>
<tr>
<td>1. Failure to report, or making a false report in violation of Article 10 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>500</td>
</tr>
<tr>
<td>2. Failure to report, or making a false report in violation of Article 15 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>300</td>
</tr>
<tr>
<td>3. Failure to report, or making a false report in violation of Article 15-2 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>600</td>
</tr>
<tr>
<td>4. Forging or fabricating a document concerning the performance verification stipulated in Article 15-2 of the Act</td>
<td>Art. 119 (1) 6 of the Act</td>
<td>600</td>
</tr>
<tr>
<td>5. Failure to record, or making a false record in violation of Article 18 of the Act</td>
<td>Art. 119 (1) 3 of the Act</td>
<td>400</td>
</tr>
<tr>
<td>6. Failure to report or making a false report in violation of Article 19 (3) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>500</td>
</tr>
<tr>
<td>7. Failure to report, or making a false report in violation of Article 20 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>500</td>
</tr>
<tr>
<td>8. Failure to record, or making a false record in violation of Article 25 of the Act</td>
<td>Art. 119 (1) 3 of the Act</td>
<td>400</td>
</tr>
<tr>
<td>9. Alteration of an approved matter without obtaining approval for alteration in violation of the latter part of Article 28 (1) of the Act</td>
<td>Art. 119 (1) 5 of the Act</td>
<td>500</td>
</tr>
<tr>
<td>10. Failure to report, or making a false report in violation of Article 28 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>500</td>
</tr>
<tr>
<td>11. Failure to report, or making a false report in violation of Article 15 (1) of the Act, which applies mutatis mutandis under Article 29 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>300</td>
</tr>
<tr>
<td>12. Failure to report, or making a false report in violation of Article 15-2 of the Act, which applies mutatis mutandis under Article 29 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>600</td>
</tr>
<tr>
<td>13. Failure to report or making a false report in violation of Article 19 (3) of the Act which applies mutatis mutandis under Article 29 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>500</td>
</tr>
<tr>
<td>Type of violation</td>
<td>relevant provision</td>
<td>fine for negligence (₩ 10 thousand)</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>14. Failure to report, or making a false report in violation of Article 30 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>500 1,000 2,000</td>
</tr>
<tr>
<td>15. Failure to report, or making a false report in violation of Article 30-2 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>600 1,200 3,000</td>
</tr>
<tr>
<td>16. Failure to report, or making a false report in violation of Article 31 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>500 1,000 2,000</td>
</tr>
<tr>
<td>17. Failure to report, or making a false report in violation of Article 33 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>500 1,000 2,000</td>
</tr>
<tr>
<td>18. Failure to report, or making a false report in violation of Article 15 (1) of the Act, which applies mutatis mutandis under Article 34 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>300 450 900</td>
</tr>
<tr>
<td>19. Failure to report, or making a false report in violation of Article 15-2 of the Act, which applies mutatis mutandis under Article 34 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>600 1,200 3,000</td>
</tr>
<tr>
<td>20. Failure to report, or making a false report in violation of Article 18 of the Act, which applies mutatis mutandis under Article 34 of the Act</td>
<td>Art. 119 (1) 3 of the Act</td>
<td>400 800 1,600</td>
</tr>
<tr>
<td>21. Failure to report or making a false report in violation of Article 19 (3) of the Act which applies mutatis mutandis under Article 24 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>500 1,000 2,000</td>
</tr>
<tr>
<td>22. Failure to record, or making a false record in violation of Article 25 of the Act, which applies mutatis mutandis under Article 34 of the Act</td>
<td>Art. 119 (1) 3 of the Act</td>
<td>400 800 1,600</td>
</tr>
<tr>
<td>23. Alteration of an approved matter without obtaining approval for alteration in violation of the latter part of Article 28 (1) of the Act, which applies mutatis mutandis under Article 34 of the Act</td>
<td>Art. 119 (1) 5 of the Act</td>
<td>500 1,000 2,000</td>
</tr>
<tr>
<td>24. Failure to report, or making a false report in violation of Article 28 (1) of the Act, which applies mutatis mutandis under Article 34 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>500 1,000 2,000</td>
</tr>
<tr>
<td>25. Failure to report, or making a false report in violation of Article 35 (1) or (2) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>500 1,000 2,000</td>
</tr>
<tr>
<td>Type of violation</td>
<td>relevant provision</td>
<td>fine for negligence (₩ 10 thousand)</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------</td>
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<td>-------------------------------------</td>
</tr>
<tr>
<td>26. Failure to record, or making a false record in violation of Article 39 of the Act</td>
<td>Art. 119 (1) 3 of the Act</td>
<td>400 800 1,600</td>
</tr>
<tr>
<td>27. Violation of Article 40 (2) of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>400 800 1,600</td>
</tr>
<tr>
<td>28. Alteration of an approved matter without obtaining approval for alteration in violation of the latter part of Article 42 (1) of the Act</td>
<td>Art. 119 (1) 5 of the Act</td>
<td>400 800 1,600</td>
</tr>
<tr>
<td>29. Failure to record, or making a false record in violation of Article 42 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>400 800 1,600</td>
</tr>
<tr>
<td>30. Failure to report, or making a false report in violation of Article 43 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>200 300 600</td>
</tr>
<tr>
<td>31. Failure to report, or making a false report in violation of Article 15 (1) of the Act, which applies mutatis mutandis under Article 44 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>300 450 900</td>
</tr>
<tr>
<td>32. Failure to report or making a false report in violation of Article 19 (3) of the Act which applies mutatis mutandis under Article 44 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>500 1,000 2,000</td>
</tr>
<tr>
<td>33. Failure to report, or making a false report in violation of Article 45 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>200 300 600</td>
</tr>
<tr>
<td>34. Failure to record, or making a false record in violation of Article 49 of the Act</td>
<td>Art. 119 (1) 3 of the Act</td>
<td>200 300 600</td>
</tr>
<tr>
<td>35. Violation of Article 50 (1) or (3) of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>200 300 600</td>
</tr>
<tr>
<td>36. Failure to report, or making a false report in violation of Article 15 (1) of the Act, which applies mutatis mutandis under Article 51 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>300 450 900</td>
</tr>
<tr>
<td>37. Failure to report or making a false report in violation of Article 19 (3) of the Act which applies mutatis mutandis under Article 51 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>200 300 600</td>
</tr>
<tr>
<td>38. Failure to report, or making a false report in violation of Article 43 of the Act, which applies mutatis mutandis under Article 51 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>200 300 600</td>
</tr>
<tr>
<td>39. Failure to report, or making a false report in violation of Article 52 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>300 450 900</td>
</tr>
<tr>
<td>Type of violation</td>
<td>relevant provision</td>
<td>fine for negligence (₩ 10 thousand)</td>
</tr>
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<td>----------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>40. Violation of Article 52 (2) of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>1st violation 200 2nd violation 300 3rd or more violation 600</td>
</tr>
<tr>
<td>41. Failure to record, or making a false record in violation of Article 52 (4) of the Act</td>
<td>Art. 119 (1) 3 of the Act</td>
<td>1st violation 200 2nd violation 300 3rd or more violation 600</td>
</tr>
<tr>
<td>42. Failure to report, or making a false report in violation of Article 53 (1) or (2) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>1st violation 300 2nd violation 450 3rd or more violation 900</td>
</tr>
<tr>
<td>43. Failure to report, or making a false report in violation of Article 53-2 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>1st violation 300 2nd violation 450 3rd or more violation 900</td>
</tr>
<tr>
<td>44. Failure to report, or making a false report in violation of Article 53-2 (3) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>1st violation 200 2nd violation 300 3rd or more violation 600</td>
</tr>
<tr>
<td>45. Violation of Article 53-2 (4) of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>1st violation 200 2nd violation 300 3rd or more violation 600</td>
</tr>
<tr>
<td>46. Violation of Article 53-2 (5) of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>1st violation 200 2nd violation 300 3rd or more violation 600</td>
</tr>
<tr>
<td>47. Failure to designate a substitute in violation of Article 53-2 (6) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>1st violation 200 2nd violation 300 3rd or more violation 600</td>
</tr>
<tr>
<td>48. Failure to report, or making a false report in violation of Article 54 (2) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>1st violation 200 2nd violation 300 3rd or more violation 600</td>
</tr>
<tr>
<td>49. Failure to record, or making a false record in violation of Article 58 of the Act</td>
<td>Art. 119 (1) 3 of the Act</td>
<td>1st violation 200 2nd violation 300 3rd or more violation 600</td>
</tr>
<tr>
<td>50. Violation of an order under Article 59 (1) or (3) of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>1st violation 300 2nd violation 450 3rd or more violation 900</td>
</tr>
<tr>
<td>51. Violation of Article 59-2 (7) of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>1st violation 400 2nd violation 800 3rd or more violation 1,600</td>
</tr>
<tr>
<td>52. Alteration of an approved matter without obtaining approval for alteration in violation of the latter part of Article 60 (1) of the Act</td>
<td>Art. 119 (1) 5 of the Act</td>
<td>1st violation 300 2nd violation 450 3rd or more violation 900</td>
</tr>
<tr>
<td>53. Failure to report, or making a false report in violation of Article 60 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>1st violation 200 2nd violation 300 3rd or more violation 600</td>
</tr>
<tr>
<td>54. Violation of Article 61 of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>1st violation 300 2nd violation 450 3rd or more violation 900</td>
</tr>
<tr>
<td>55. Failure to report or making a false report in violation of Article 19 (3) of the Act which applies mutatis mutandis under Article 62 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>1st violation 300 2nd violation 450 3rd or more violation 900</td>
</tr>
<tr>
<td>Type of violation</td>
<td>relevant provision</td>
<td>fine for negligence (₩ 10 thousand)</td>
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</tr>
<tr>
<td>56. Failure to report, or making a false report in violation of Article 43 of the Act, which applies mutatis mutandis under Article 62 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>200 300 600</td>
</tr>
<tr>
<td>57. Failure to report, or making a false report in violation of Article 63 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>300 450 900</td>
</tr>
<tr>
<td>58. Failure to record, or making a false record in violation of Article 67 of the Act</td>
<td>Art. 119 (1) 3 of the Act</td>
<td>300 450 900</td>
</tr>
<tr>
<td>59. Violation of Article 68 (1) or (3) of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>300 450 900</td>
</tr>
<tr>
<td>60. Failure to report, or making a false report in violation of Article 15 (1) of the Act, which applies mutatis mutandis under Article 69 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>300 450 900</td>
</tr>
<tr>
<td>61. Failure to report or making a false report in violation of Article 19 (3) of the Act which applies mutatis mutandis under Article 69 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>300 450 900</td>
</tr>
<tr>
<td>62. Failure to report, or making a false report in violation of Article 43 of the Act, which applies mutatis mutandis under Article 69 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>200 300 600</td>
</tr>
<tr>
<td>63. Violation of Article 70 (3) or (4) of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>300 450 900</td>
</tr>
<tr>
<td>64. Failure to report, or making a false report in violation of Article 71 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>300 450 900</td>
</tr>
<tr>
<td>65. Violation of Article 72 of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>300 450 900</td>
</tr>
<tr>
<td>66. Violation of Article 73 of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>200 300 600</td>
</tr>
<tr>
<td>67. Violation of Article 74 (1) of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>300 450 900</td>
</tr>
<tr>
<td>68. Alteration of an approved matter without obtaining approval for alteration in violation of the latter part of Article 76 (1) of the Act</td>
<td>Art. 119 (1) 5 of the Act</td>
<td>300 450 900</td>
</tr>
<tr>
<td>69. Failure to report, or making a false report in violation of Article 76 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>200 300 600</td>
</tr>
<tr>
<td>Type of violation</td>
<td>relevant provision</td>
<td>1st violation</td>
</tr>
<tr>
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</tr>
<tr>
<td>70. Failure to report, or making a false report in violation of Article 78 (2) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>300</td>
</tr>
<tr>
<td>71. Violation of an order under Article 80 (2) of the Act</td>
<td>Art. 119 (1) 4 of the Act</td>
<td>300</td>
</tr>
<tr>
<td>72. Failure to record, or making a false record in violation of Article 82 of the Act</td>
<td>Art. 119 (1) 3 of the Act</td>
<td>200</td>
</tr>
<tr>
<td>73. Failure to report or making a false report in violation of Article 19 (3) of the Act which applies mutatis mutandis under Article 83 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>200</td>
</tr>
<tr>
<td>74. Failure to report, or making a false report in violation of Article 43 of the Act, which applies mutatis mutandis under Article 83 of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>200</td>
</tr>
<tr>
<td>75. Violation of Article 91 of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>400</td>
</tr>
<tr>
<td>76. Failure to report, or making a false report in violation of Article 95 (1) of the Act</td>
<td>Art. 119 (1) 1 of the Act</td>
<td>300</td>
</tr>
<tr>
<td>77. Violation of Article 106 (1) of the Act</td>
<td>Art. 119 (1) 2 of the Act</td>
<td>200</td>
</tr>
<tr>
<td>78. Failure to receive education in violation of Article 106 (3) of the Act</td>
<td>Art. 119 (1) 8 of the Act</td>
<td>200</td>
</tr>
<tr>
<td>79. Alteration of an approved matter without obtaining approval for alteration in violation of the latter part of Article 111 (5) of the Act</td>
<td>Art. 119 (1) 5 of the Act</td>
<td>200</td>
</tr>
</tbody>
</table>
Enforcement Rule of the Nuclear Safety Act
Enforcement Rule of the Nuclear Safety Act

Chapter I  General Rules

Article 1  (Purpose)

The purpose of this Regulation is to prescribe matters delegated by the Nuclear Safety Act and the Enforcement Decree thereof and other matters necessary to implement the Act and the Decree.

Article 2  (Definitions)
(1) The definitions of terms used in this Regulation shall be as follows:
1. The term "surface radiation dose rate" means the radiation dose rate measured at a distance of ten (10) centimeters from the surface of a radiating object including, but not limited to, radioactive materials, containers or devices containing radioactive materials, radiation generating devices and radiation shielding materials.
2. The term "fissile materials" means uranium 233, uranium 235, plutonium 239, plutonium 241 or a compound thereof with the exception of non-irradiated natural or depleted uranium, or natural or depleted uranium irradiated from a thermal neutron reactor.
3. "Personal dosimeter" means a device that measures radiation dose to which the outer body of a human being is exposed, as determined and publicly notified by the Nuclear Safety and Security Commission (hereinafter referred to as Commission).
4. "Package" refers to containers filled with radioactive material and prepared for transport.
5. "Value A" refers to the radiation value assigned to each radioisotope for the transportation of radioactive material, as published by the Commission.
6. "Type B(U) package" refers to packages used to transport radioactive material that exceeds Value A and which requires the approval of a design or the country of origin pursuant to the IAEA Regulations for the Safe Transport of Radioactive Material ("IAEA transport regulations" hereinafter).
7. "B(M) package" refers to a package of radioactive material that exceeds Value A and which requires the approval of its transit or destination country pursuant to the IAEA transport regulations.
8. "C Package" refers to a package that has been prepared for air transportation but which exceeds the radiation level determined and published by the Commission.
9. "Package of fissile material" refers to a package of fissile material that exceeds the exception standards determined and published by the Commission.

Article 3 (Internationally regulated material)

(1) The "materials as prescribed by the Ordinance of the Prime minister" provided in Subparagraph 17 of Article 2 of the Act mean any of the following:
1. Nuclear materials subject to the safeguard and physical protection by the International Atomic Energy Agency;
2. Nuclear reactors and appurtenance thereof;
3. Non-nuclear materials used in nuclear reactors;
4. Reprocessing plants of nuclear fuels for irradiation and equipment
Enforcement Rule of the Nuclear Safety Act

designed or manufactured therefor:
5. Nuclear fuel fabrication facilities (including conversion facilities; hereinafter the same shall apply);
6. Uranium enrichment facilities and equipment designed or manufactured therefor;
7. Production facilities of heavy water, deuterium or deuterium compound, and equipment designed or manufactured therefor; and
8. Other nuclear commodities or facilities controlled under nuclear-related treaties, agreements, conventions and protocols.
(2) The details of such materials, equipment and facilities as set forth in each Subparagraph of the foregoing Paragraph (1) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Chapter II Construction and operation of nuclear reactors and related facilities

Section 1 Nuclear reactors for power generation and related facilities

Article 4 (Application for Construction Permit)

(1) An application as provided in Article 17 of the Decree shall be made with the attached Form 1.
(2) A radiation environmental report provided in Article 10 (2) of the Act shall, in accordance with the guidelines to be determined and publicly notified by the Nuclear Safety and Security Commission, contain each of the followings:
1. Environmental status in adjoining areas of reactor facilities and the sites thereof;
2. Projected radiation impact on surrounding environment due to construction/operation of reactor facilities;
3. Environmental radiation monitoring programs to be executed during construction/operation of reactor facilities;
4. Environmental impact by radiation in the event of an accident during operation of reactor facilities;
5. Opinions notified according to the provisions of Article 144 (2) of the Decree; and
6. The outcome of the hearing of opinions based on the latter part of Article 145 (5) of the Decree.
(3) The below-listed information shall be indicated on preliminary safety
analysis reports under Article 10 (2) of the Act: However, the reports may not indicate information that is inadequate to apply this clause to the use of a nuclear reactor or difference in its principles, information that is redundant as the details thereof are duplicated in other documents submitted pursuant to Article 10 (2) of the Act, or information that is redundant as the details are duplicated in documents submitted when applying for advance approval pursuant to Article 10 (5) of the Act

1. General information as set forth in each of the following:
   a. Overview of the application for a permit;
   b. Major characteristics of a power reactor and related facilities (hereinafter referred to as “reactor facilities”) and the site thereof;
   c. Details of comparison with other similar reactor facilities;
   d. Parties to the contract for construction of reactor facilities and the scope of their responsibilities thereunder; and
   e. Additional technical data to be submitted.

2. Information on the site of reactor facilities as set forth in each of the following:
   a. Geographic characteristics and status of population distribution;
   b. Nearby industrial, transportation and military facilities;
   c. Meteorology;
   d. Marine characteristics;
   e. Hydrologic engineering; and
   f. Geology, seismology and geotechnical engineering;

3. Information related to installation of structures, components, equipment and systems of reactor facilities as set forth in each of the following:
   a. Compliance with design criteria;
   b. Classification of structures, components, equipment and systems;
   c. Protective measures against natural hazards including, but not limited to, hurricanes, floods and tsunamis, missiles or falling objects, or a postulated pipe rupture and so forth;
   d. Seismic design;
   e. Design of structure of containment and other facilities pertaining to the safety of nuclear reactors;
   f. Design of mechanical structures, facilities and components thereof; and
   g. Seismic and environmental qualification design of safety–related equipment.

4. Information on the nuclear reactor as set forth in each of the following:
   a. Design of nuclear fuel systems;
   b. Design of reactor cores;
   c. Thermohydraulic design;
   d. Materials of nuclear reactors; and
   e. Design of reactivity control systems.
5. Information on the nuclear reactor coolant system as set forth in each of the following:
   a. Overview of the nuclear reactor cooling system and components thereof;
   b. Pressure boundary of the nuclear reactor cooling system;
   c. Reactor vessel;
   d. Component design; and
   e. Subsystem design.
6. Information on engineered safety features of the following systems, etc.:
   a. Engineered safety systems;
   b. Containment systems;
   c. Emergency core cooling systems;
   d. Control room safety guarantee systems;
   e. Fission product elimination and control system;
   f. Isolation valve leakage control systems of the main steam system; and
   g. In-service inspection of the above items.
7. Information related to the instrumentation and control system as set forth in each of the following:
   a. Overview;
   b. Reactor shutdown system;
   c. Actuation systems of engineered safety features;
   d. Information systems important to safety;
   e. Interlock systems important to safety;
   f. Safe shutdown systems;
   g. Control systems;
   h. Diversified instrumentation and control system; and
   i. Data communication systems.
8. Information on the electrical power system as set forth in each of the following:
   a. Overview;
   b. Off-site electrical power systems;
   c. On-site alternating current electrical power systems; and
   d. On-site direct current electrical power systems.
9. Information on auxiliary systems as set forth in each of the following:
   a. Nuclear fuel storage and handling systems;
   b. Water systems;
   c. Process auxiliary system;
   d. Cooling/heating and ventilation systems; and
   e. Fire protection systems (including analysis of the fire risk level)
10. Information on the steam and power conversion system as set forth in each of the following:
    a. Overview:
    b. Turbine generator; and
c. Main steam supply systems

11. Information on radioactive waste management as set forth in each of the following:
   a. Sources of radioactive wastes;
   b. Solid waste control systems;
   c. Liquid waste control systems;
   d. Gaseous waste control systems; and
   e. Monitoring and sampling systems.

12. Information on radiation protection as set forth in each of the following:
   a. Protection program for radiation workers;
   b. Radiation source;
   c. Radiation protection design;
   d. Radiation dose evaluation method; and
   e. Health physics programs.

13. Information related to the organization as set forth in each of the following:
   a. Management system;
   b. Job education and training; and
   c. Management procedures.

14. Information on initial test as set forth in each of the following:
   a. Scope of the initial test program;
   b. Matters pertaining to the initial test organization;
   c. Overview of the initial test program regarding inherent characteristics or special design features of the power plant;
   d. Regulations related to the formulation and execution of a test program and plan to utilize industry codes;
   e. Measures to take advantage of the operational and testing experiences of other similar power plants;
   f. Schedule of a test program;
   g. The outline of pilot application of the power plant operation manual or the accident management program under Article 20 (2) of the Act (“accident management program” hereinafter);
   h. Plan to supplement staff in the course of the execution of a test program.

15. Information on accident analysis

16. Information on technical specifications

17. Information on quality assurance

18. Information on human factors engineering as set forth in each of the following:
   a. Application method and analysis mechanism of a human factors engineering design;
   b. Main control room; and
c. Remote control room.
(4) A quality assurance program as provided in Article 10 (2) of the Act shall contain each of the following:
1. Organization of a quality assurance system;
2. Quality assurance program;
3. Design control;
4. Procurement document control;
5. Instructions, procedures and drawings;
6. Document control;
7. Control of purchased items and services;
8. Identification and control of items;
9. Control of special process;
10. Inspection;
11. Test control;
12. Control of measuring and test equipment;
13. Handling, storage and shipping;
14. Inspection, test and operating status;
15. Control of nonconforming items;
16. Corrective action;
17. Quality assurance records; and
18. Audits
(5) Plans for disassembling nuclear reactor facilities under Article 10 (2) of the Act shall include the below-listed information as determined and announced by the Commission:
1. Organization, personnel, expenses and funds for disassembling the nuclear reactor facilities;
2. Strategy and schedule of the nuclear reactor facilities;
3. Matters reflected at the time of design to facilitate their disassembly or those for which actions are to be taken at the time of construction or operation;
4. Actions for preventing damages by radiation;
5. Methods of decontaminating radioactive materials;
6. Methods of processing, storing or disposing of radioactive wastes;
7. Assessment of and countermeasures to the impact of the radioactive materials environment;
8. Other matters determined by the Commission to prevent damages during the disassembly of nuclear reactor facilities.
(6) “Other documents as prescribed by the Ordinance of the Prime minister” as provided in Article 10 (2) of the Act include:
1. Explanatory statement on the use of nuclear reactor;
2. Explanatory statement on technical capabilities in respect to installation of reactor facilities of which shall be prepared in accordance with
guidelines determined and publicly notified by the Commission; and
3. Plans for the drafting of accident management program to be prepared based on the guidelines determined and published by the Commission.
4. Article of incorporation (applicable to corporations only).

(7) A radiation environmental report provided in Article 10 (2) of the Act may not be required to be submitted if such report has been previously submitted at the time of application for prior approval of a construction site as prescribed in Article 7 hereof.

(8) When receiving an application for permit in accordance with Article 10 (2) of the Act, the Commission shall check a certified copy of the applicant's corporate register (to the extent that the applicant is a juridical person) through the administrative information sharing system under Article 36 (1) of the Act on Electronic Government.

(9) Upon the grant of the construction permit for reactor facilities as provided in Article 10 (1) of the Act, the Nuclear Safety and Security Commission shall issue to the applicant a certificate of construction permit for reactor facilities on the attached Form 2.

Article 5 (Application for Change Permit)

(1) An application for change permit of construction of reactor facilities as provided in Article 21 of the Decree shall be made with the attached Form 3.

(2) The application provided for in paragraph (1) shall be accompanied by the followings:
1. comparative table of the documents originally submitted with those changed.
2. certificate of construction permit

Article 6 (Report of Changes in Minor Matters)

(1) The “minor matters as prescribed by the Ordinance of the Prime minister” provided in the proviso to Article 10 (1) of the Act mean any of the following:
1. Name and address of the holder of permit (in the case of a juridical person, its name, address and the name of its representative);
2. The name of business place (including a factory; hereinafter the same shall apply) where reactor facilities are installed;
3. Construction schedule for reactor facilities;
4. Annual estimated spending volume and procurement plan for nuclear fuel materials to be used as fuel at the nuclear reactor;
5. Particulars pertaining to a change in equipment or facilities pursuant to Item 22, Article 2 of the Act among the details of a preliminary safety
analysis report (limited to those that do not accompany any change to safety-related equipment)
6. Matters concerning general organizational changes other than the organization of the quality assurance system in the preliminary safety analysis report or the quality assurance plan; and
7. Matters whose grounds for revision are evident, including errors in computing, cacography, omission, disagreements between related documents, and other comparable causes
(2) Any person, who intends to make a report according to the proviso to Article 10 (1) of the Act, shall submit to the Commission a report of change in minor matters on the attached Form 4, by attaching the followings:
1. documents evidencing such change
2. relevant certificate of permit.
(3) A report of change as provided in the foregoing Paragraph (2) shall be submitted within:
1. twenty (20) days from the date of such change in the case of any change in the matters as set forth in Subparagraphs 1 through 4 of the foregoing Paragraph (1)
2. within six (6) months from the date of such change in the case of any change in matters as set out in Subparagraphs 5 through 7 of the foregoing Paragraph (1).

Article 7 (Advance approval of site and scope of work)

(1) The "extent as prescribed by the Ordinance of the Prime minister" as provided in Article 10 (4) of the Act means excavation of the area where reactor facilities are to be built and concrete works for the protection and reinforcement of bedrocks at the area. Provided, however, that, if the commission deems it.
(2) The application form under Article 10 para 5 of the Act shall be Attached Form No. 5.
(3) Information to be described in a radiation environmental report as provided in Article 10 (5) of the Act shall be the same as that as set forth in Article 4 (2) hereof.
(4) Information to be described in a site investigation report shall be the same as that as set out in Article 4 (3) 2 hereof.

Article 8 (Technical Capability)

In Subparagraph 1, Article 11 of the Act, the phrase “technical capability required for construction of reactor facilities, as provided for in the
Ordinance of the Prime minister shall be available” means that all of the following requirements are met:
1. An organization and department necessary for construction of reactor facilities shall be formed, and the responsibility and authority required for performance of duties should be specifically assigned;
2. An engineering and technical support organization to review safety-related matters that arise in the process of constructing reactor facilities shall be available;
3. A person engaged in nuclear power plant construction shall possess the qualifications and experience commensurate with the responsibility and authority thereof;
4. There shall be a system whereby the construction cases of reactor facilities can be analyzed for reflection in design and construction; and
5. Test and inspection plans shall be formulated pertaining to safety related—structures, systems, and equipment.

Article 9 (Request for authorization of standard designs)

(1) An application for approval is provided in Article 22 (1) of the Decree shall be made with the attached Form 6.
(2) A specification of the standard design as provided in Article 12 (2) of the Act shall contain each of the following. Provided, that matters not deemed appropriate including those related with the construction or operation of the relevant nuclear reactor may be omitted:
1. General information as set forth in each of the following:
   a. Definition of terms;
   b. Matters to be commonly applied; and
   c. List of drawings, symbols and acronyms.
2. Information on the site characteristics
3. Design criteria and design details of reactor facilities and verification plan of the design, construction and performance thereof (hereinafter referred to as “verification plan”) as regards each of the following:
   a. Structures, components, equipment and systems;
   b. Nuclear reactors;
   c. Nuclear reactor coolant system and connected systems;
   d. Engineered safety features;
   e. Instrumentation and control system;
   f. Electrical power systems;
   g. Auxiliary systems;
   h. Steam and power conversion systems;
   i. Radioactive waste management;
j. Radiation protection;
k. Initial test program;
l. Human factors engineering; and
m. Emergency response facilities.

4. Information on design requirements as set forth in each of the following:
a. Off-site electrical power systems of the power plant;
b. Ultimate heat sink; and
c. Water pump structures and ventilation systems.

(3) “Other documents prescribed by the Regulation of the Nuclear Safety and Security Commission” as provided in Article 12 (2) of the Act mean any of the following:
1. Explanatory statement on the use of the nuclear reactor;
2. Explanatory statement on technical capabilities in respect to the design of the nuclear reactor;
3. Safety analysis report on the standard design;
4. Plans for the drafting of accident management program to be prepared based on the guidelines determined and published by the Commission; and
5. Articles of incorporation (in the case of a juridical person only).

(4) The items listed below shall be indicated in the report on the analysis of standard design safety under paragraph 3 subparagraph 3: However, items that are not suitable for inclusion in the report may not be indicated, including the purpose of the nuclear reactor, differences in principles, or matters related to the construction or operation of the nuclear reactor.
1. Matters falling under Article 4 paragraph 3 (excluding subparagraph 14)
2. The following matters concerning the initial test
   a. Outline of the test plan and purposes
   b. Test organization and personnel
   c. Test procedure and schedule
   d. Test method
   e. Use of operation or test experiences in similar nuclear reactors
   f. Matters concerning the pilot application of the power plant operation manuals or accident management program
   g. Initial charging of nuclear fuel and critical state
   h. Details of test
   i. Details of review or assessment of test results
   j. Test-related records
   k. Technical standards applicable to individual tests

(5) A safety analysis report on the standard design as provided in the foregoing Paragraph (4) shall specify technical information in such details that would allow the verification of the safety of such standard design.

(6) Deleted.

(7) When receiving an application for approval in accordance with Article
12 (2) of the Act, the Nuclear Safety and Security Commission shall check a certified copy of the applicant's corporate register (to the extent that the applicant is a juridical person) through the administrative information sharing system under Article 38 (1) of the Act on Electronic Government.

(8) Upon the approval of the standard design of reactor facilities as provided in the main clause of Article 12 (1) of the Act, the Nuclear Safety and Security Commission shall issue to the applicant a certificate on the attached Form 7.

Article 10 (Performance of verification plans)

(1) Any person, who applies for a construction permit for a nuclear power reactor facilities as provided in Article 11 of the Act and operating license thereof as provided in Article 20 of the Act in accordance with a standard design approved under Article 12 (1) of the Act, shall implement a verification program.

(2) If deemed necessary as regards implementation of such verification plan as provided in the foregoing Paragraph (1), the Commission may confirm such implementation with an pre-operational inspection as provided in Article 27 of the Decree and a quality assurance inspection as provided in Article 31 of the Decree.

Article 11 (Request for modification of standard design authorization)

(1) An application for the approval of change of the approved standard design of reactor facilities as provided in Article 23 of the Decree shall be made with the attached Form 8.

(2) The following documents shall be attached to the request form under paragraph 1:

1. A comparative table of the attached documents requesting authorization of the standard designs before and after their modification
2. A certificate of authorization of the standard designs

Article 12 (Declaration of minor modifications)

(1) “Trivial matters provided under the Prime Minister’s Decree under the proviso of Article 12 (1) of the Act” shall mean the name in full and address of the person whose standards-based design has been authorized (corporate name, address, and representative in the case of a corporation):

1. Name and address of the person who has obtained the approval of a standard design (in the case of a juridical person, the name, address and the name of its representative); and
2. Preparation plan for emergency operating procedures.
(2) Any person, who intends to file a report according to the proviso of Article 12 (1) of the Act, shall submit to the Commission a report of change in minor matters on the attached Form 4 within thirty (30) days from the date when the reason for such report arose, by attaching the documents evidencing such change thereto.

Article 13 (Preparation of Regulation on Nuclear Material Control and Accountancy)
The following items shall be indicated in the measurement management regulations under Article 25 of the Decree pursuant to the guidelines determined and notified by the Commission:
1. Duties and organization;
2. Key measurement points, and measurement methods and equipment;
3. Carry-in/carry-out of, and control and accountancy procedures of, nuclear materials among internationally controlled materials (hereinafter referred to as “specific nuclear materials”);
4. Education and training;
5. Recording and reporting; and
6. Other matters directly related with control and accountancy of specific nuclear materials.

Article 14 (Reporting of Change in Minor Matters)

(1) The “minor matters as prescribed by the Ordinance of the Prime minister” in the proviso of Article 15 (1) of the Act mean any of the following:
   1. Name and address of the person who has obtained a permit for the construction of reactor facilities (in the case of a juridical person, the name, address and the name of its representative); and
   2. Name and location of the place of business.
(2) Any person, who intends to file a report pursuant to the proviso of Article 15 (1) of the Act, shall submit to the Commission a report on the attached Form 4 within thirty (30) days from the date when the reason for such report arose, by attaching documents evidencing such change thereto.

Article 14-2 (Reporting of contracts on safety-related equipment)

(1) The report form under Article 15-2 of the Act shall be as follows:
   1. Information concerning the design or manufacture of safety-related equipment: Attached Form No. 8-2
   2. Information concerning the performance verification of safety-related equipment: Attached Form No. 8-3
(2) The following documents shall be attached to the reporting under
Paragraph (1).
1. Documents evidencing the signed contract
2. Performance verification plan (limited to Paragraph (1) 2.)

Article 14–3 (Reporting of changes in contracts on safety–related equipment)

(1) The form for change reporting under the latter part of the main text of Article 15–2 shall be Attached Form No. 8–4.
(2) Those intending to report changes as set forth under the latter part of the main text of Article 15–2 shall submit to the Commission Attached Form No. 8–4 together with documents evidencing the changes within 30 days of the date the relevant change occurs.

Article 14–4 (Application for designation as Performance Verifier Controlling Agency)

(1) The form for applying for designation as Performance Verifier Controlling Agency under Article 15–4 (1) of the Act (“Performance Verifier Controlling Agency”) shall be Attached Form No. 8–5.
(2) The following documents shall be attached to an application under Paragraph (1):
1. Articles of incorporation
2. Status of the corporation or organization
3. A dedicated entity that can perform the performance verification management service under Article 25–3 (1) 1. of the Decree
4. Documents evidencing expert or specialist personnel under ticle 25–3 (1) 2. of the Decree
5. Service regulation of the performance verification management agency
6. Plan for carrying out the performance verification management services
(3) When an application is received as set forth under Article 15–4 (5) of the Act, the Commission shall check the certificate of corporate registration of the applicant (limited to corporate applicants only) through the system for the shared use of administrative information under Article 36 (1) of the e–Government Act.
(4) The Commission shall issue a designation notice using Attached Form No. 8–6 when designating a performance verification management agency under Article 15–4 (1).

Article 15 (Application for Pre–operational Inspection)

(1) An application for inspection as provided in Article 28 of the Decree
shall be made with the attached Form 9.
(2) Such application as provided in the foregoing Paragraph (1) shall be submitted whenever a reason for inspection as set forth in each Subparagraph of Article 29 (1) of the Decree arises. Provided, that an application for inspection under Subparagraphs 3 and 4 of said Paragraph may be made concurrently.

Article 15–2 (Report of Succession)
(1) The person succeeding the position of the individual who has received an approval for construction of nuclear reactor facilities pursuant to Article 19 (1) of the Act shall submit to the Commission the report form provided in Form 9–2 with the applicable documents specified in the following subparagraphs:
1. In case of succession by transfer of business:
   a. Permit;
   b. Copy of the business transfer contact;
   c. Copy of the resolution of the General Assembly or Board of Directors regarding the business transfer (applicable only to corporate bodies);
2. In case of succession by inheritance:
   a. Permit;
   b. Family Relations Certificate defined in Article 15 (1) 1 of the Act on the Registration, etc. of Family Relationships and a document providing that the person is the inheritor;
3. In case of succession by merger:
   a. Permit;
   b. Copy of the merger contract;
   c. Copy of the resolution of the General Assembly or Board of Directors regarding the merger.
(2) The Commission shall, in case of receiving a report form pursuant to paragraph (1), check the corporate registration certificate (applicable only to corporate bodies) of the person who succeeded the position through the Public Information Sharing System pursuant to Article 36 (1) of the Electronic Government Act: Provided, That if the reporting individual does not agree to the check, he/she shall be required to attach the corresponding document.

Section 2 Operation of nuclear reactors for power generation and related facilities

Article 16 (Application for Operating License, etc.)

(1) An application for operating license of facilities as provided in Article
33 (1) of the Decree shall be made with the attached Form 10.
(2) Technical specifications as provided in Article 20 (2) of the Act (hereinafter referred to as the Technical specifications), as publicly notified by the Commission, shall contain each of the following:
1. Operation of reactor facilities:
   a. Utilization and application;
   b. Safety limit;
   c. Limiting conditions for operations and surveillance requirements; and
   d. Design features.
2. Radiation and environment of reactor facilities:
   a. Radiation protection;
   b. Control of radioactive materials, etc.; and
   c. Environmental conservation from reactor facilities.
3. Operational control of reactor facilities:
   a. Organization and functions;
   b. Surveillance of reactor facilities;
   c. Measures to be taken by an operator in the event of an emergency; and
   d. Programs and guidelines.
(3) A final safety analysis report as provided in Article 20 (2) of the Act shall contain each of the following. Provided, that the matters deemed inappropriate to be stated due to the purpose of, or fundamental difference in, the relevant nuclear reactors and the matters overlapping with the items of attached documents as provided in Article 20 (2) of the Act may be omitted.
(4) The accident management program shall indicate the following matters based on the guidelines determined and published by the Commission:
1. Matters concerning the scope of accident management;
2. Matters concerning the equipment used for accident management;
3. Matters concerning accident management strategies and implementation systems;
4. Matters concerning access to accident management capabilities (including probabilistic safety assessment);
5. Matters concerning the preparation of the emergency operation manual;
6. Matters concerning the management of serious accidents;
7. Matters concerning education/training on accident management;
8. Other matters pertaining to accident management determined by the Commission.
(5) A quality assurance program as provided in Article 20 (2) of the Act shall contain items as set forth in each Subparagraph of Article 4 (4) hereof.
(6) The plan for the discharge of radioactive materials in liquid or gas forms under Article 20 (2) of the Act ("Discharge plan" hereinafter) shall indicate the below-listed based on the guidelines determined and published
by the Commission:
1. Facilities for treatment or equipment for monitoring radioactive materials in liquid or gas forms;
2. Plans for collecting and analyzing samples of radioactive materials in liquid or gas forms;
3. Methods of calculating the total discharged volume of radioactive materials in liquid or gas forms;
4. Total discharge volume calculated pursuant to item 3 by site, period and nuclide group.

(7) The "documents as prescribed by the Ordinance of the Prime minister" provided in Article 20 (2) of the Act mean each of the following:
1. Explanatory statement on technical capabilities as regards the operation of a nuclear reactor;
2. Explanatory statement on a nuclear fuel loading plan;
3. Deleted.

(8) Upon granting of operating license of reactor facilities as provided in Article 20 (1) of the Act, the Commission shall issue to the applicant a certificate as regards the reactor facilities with the attached Form 2.

Article 17 (Application for Change Permit)

(1) An application for change permit as provided in Article 34 of the Decree shall be made with the attached Form 11.
(2) These documents shall be attached to such application as provided in the foregoing Paragraph (1).
1. A comparative table of the attached documents concerning a request for the issuance of an operation permit before and after modification
2. A certificate of operating license

Article 18 (Report of Change in Minor Matters)

(1) The "minor matters as prescribed by the Ordinance of the Prime minister" provided in the proviso of Article 20 (1) of the Act mean any of the following:
1. Name and address of persons who have been permitted to operate (in the case of a juridical person, its name, address and the name of its representative);
2. Name and location of the place of business of operating reactor facilities;
3. Information concerning the modification of equipment or facilities that are not accompanied by any changes in safety-related equipment under Article 2 item 22 of the Act among information of the technical
specifications, final safety analysis report and discharge plan (limited to details falling under Article 16 (6) 1 or 2):

4. Matters concerning general organizational changes other than the organization of the quality assurance system in the technical specifications, final safety analysis report, or quality assurance plan;

5. Matters whose grounds for revision are evident, including errors in computing, cacography, omission, disagreements between related documents, and other comparable causes

6. Deleted.

(2) Anyone who intends to report changes or modifications pursuant to Article 20 (1) proviso of the Act shall submit the application form of attached Form No. 4 together with the following documents:

1. Documentary evidence of the changes
2. Certificate of permit (limited to cases falling under paragraph 1 subparagraph 1 or 2)
3. Deleted.

(3) The reporting form under Paragraph (2) shall be submitted within the period based on the following classification:

1. Information concerning changes under Items 1 to 3, Paragraph (1) :
   Within 30 days of the date of changes (for item 3, changes accompanying the alteration or modification of non-safety-related equipment and which can directly affect the functions performed by safety-related equipment in case of failure: 30 days before the scheduled date of change)
2. Information concerning changes under Items 4 to 5, Paragraph (1) :
   Within 20 days of the end of each half year

Article 19 (Periodic Inspection)

(1) The regular inspection under Article 35 paragraph 1 of the Decree (including those to which Article 47 of the Decree are applicable with necessary modifications, the same hereinafter) shall be performed through a document review, site check, witnessed inspection or interview with the party inspected. The Commission shall determine and publish the inspection targets and the specific method of inspection to be applied at each facility. Provided, that certain reactor facilities may not be subject to such inspection in the event the Nuclear Safety and Security Commission acknowledges, in his reasonable discretion, that such inspection is unnecessary owing to the design features of such reactor facilities:

1. Nuclear reactor (including nuclear fuels);
2. Nuclear reactor coolant system facility;
3. Instrumentation and control system facilities;
4. Nuclear fuel material handling and storage facilities;
5. Facilities for disposing of radioactive materials;
6. Radiation control facilities;
7. Reactor containment facilities;
8. Reactor safety system facilities;
9. Power supply system facilities;
10. Power conversion system facilities; and
11. Other facilities pertaining to the safety of a nuclear reactor as determined and publicly notified by the Nuclear Safety and Security Commission.

(2) The regular inspection under Article 35 paragraph 1 of the Decree shall be performed within 20 months of the start of initial commercial operation or inspection in the case of nuclear reactors for power generation purposes or with 24 months in the case of nuclear reactors for research or education purposes. However, the inspection period separately designated by the Commission shall be followed, in consideration of the operational status or characteristics of the nuclear reactor in question.

(3) Such inspection as provided in Article 35 (1) of the Decree shall be implemented during the period of a regular maintenance or during the period from the date of shutdown of a nuclear reactor for nuclear fuel replacement to the date of resumption of full power operation thereof.

(4) Anyone who desires the regular inspection as provided under Article 35 paragraph 1 of the Decree shall submit a request using Attached Form No. 12 to the Commission no later than 30 days before the day of inspection.

(5) A maintenance and test program containing each of the following shall be attached to such application as provided in the foregoing Paragraph (4):
1. Major details of maintenance for each facility subject to inspection;
2. A test program in accordance with the technical specifications and final safety analysis report;
3. A physics test program of nuclear fuels and reactors in accordance with the reload safety analysis; and
4. Major schedule chart of test and maintenance.

(6) If the results of an inspection conducted up to the time of criticality of a nuclear reactor meet the provisions of Subparagraphs 2 and 3 of Article 21 (1) of the Act, the Commission may permit the criticality of such nuclear reactor for power ascension test thereof.

(7) Upon completion of inspection as prescribed in Article 35 (1) of the Decree, the Commission shall notify the operator of a nuclear reactor, in writing, as to whether the relevant facilities have passed the inspection.

Article 20 (Details of Periodic Safety Review)
(1) The details of a periodic safety review as provided in Article 37 (1) of the Decree are as follows:

1. Matters regarding design of reactor facilities: Particulars confirming whether the currently valid records at the time of review was accurately reflected in the design (including design documents), which includes each of the following:
   a. Lists or grade classification of structures, systems, or appliances essential to safety
   b. Design documents (original and revisions)
   c. Differences between the technical standards applied at the time the nuclear reactor facility was designed and the current technical standards
   d. Impact on safety caused by matters verified to be vulnerable in the aspects of in-depth defense
   e. Characteristics of the areas adjoining reactor facilities including population density, industrial facilities and transportation facilities (airports, roads, railways, and so forth).

2. Information concerning the actual state of structures, systems, or appliances essential to safety: To check if the actual state of structures, systems, or appliances essential to safety satisfies the design requirements at present until the time of the next periodic safety assessment and whether the details have been duly documented; such information shall include information concerning the following items:
   a. Information concerning the soundness or functional performance of structures, systems, or appliances essential to safety
   b. Information concerning the current state, progressing, or anticipated aging of structures, systems, or appliances essential to safety
   c. Outcome of tests conducted to check the functional performance of structures, systems, or appliances essential to safety
   d. Outcome and records of inspection and repair of structures, systems, or appliances essential to safety
   e. Operational history and current state of structures, systems, or appliances essential to safety
   f. Current status of support facilities in and outside of the power plant including maintenance or repair shop

3. Information concerning deterministic safety analysis: To check if the existing deterministic safety analysis maintains viability considering the actual state of structures, systems, or appliances essential to safety, state anticipated at the time of the next periodic safety assessment, current deterministic safety analysis method, and technical standards; such information shall include information concerning the following items:
a. Comparison between the initial event, interpretation method, and computer code assumed for the existing deterministic safety analysis and current technical standards
b. Limit of radiation dose and radiation discharged by radioactive materials in normal and event conditions
c. Guidelines for deterministic safety analysis considering the single failure criteria, redundancy, diversity, or independence
d. Various operational conditions that are anticipated to occur once or more frequently during the life expectancy of the power plant

4. Information concerning probabilistic safety assessment: To check if the existing probabilistic safety assessment maintains viability considering changes in the design and operational conditions of the nuclear power plant, the current probabilistic safety assessment method, operational information, and technologies shall also include the following information:
   a. The information shall reflect the assumptions considered in the existing probabilistic safety assessment, virtual initial event, comparison between the assessment methodology and compute codes with the current technology, and current conditions of the nuclear power plant;
   b. Guidelines for probabilistic safety assessment considering the actions to be taken by the operators, common cause failures, interactive impacts, redundancy, and diversity
   c. Connectivity between the accident management plan and the model and outcome of the probabilistic safety assessment
   d. Assessment or comparison of available alternatives to remove the nuclear power plant’s design or operational vulnerabilities derived as the outcome of the probabilistic safety assessment

5. Information concerning risk assessment: To check the viability of a nuclear reactor facility against internal and external risks considering the attributes of the design and site of the nuclear reactor facility, actual state of the structures, systems, or appliances essential to safety, anticipated state at the time of the next periodic safety assessment, current analysis method and technical standards; shall also include the following information:
   a. Anticipated scale and frequency of occurrence of internal risks (fire, inundation, dynamic movement of piping, missiles, steam emission, water spray, toxic liquids or gases, explosion, etc.) and external risks (floods including tsunami, storm, fire, extreme temperature, earthquake, volcanic eruption, aircraft crash, toxic liquids or gases, explosion, etc.)
   b. Outcome of risk assessment performed considering the current safety standards, environmental impact, and state and aging of the nuclear reactor facility
   c. Procedures for preventing or alleviating internal or external risks,
including actions to be taken by operators

6. Particulars regarding the equipment qualification: Confirmation of whether it has been qualified that major safety-related equipment of reactor facilities can perform the intended safety functions during the 10 years after the review base day, which includes each of the following:
   a. List of equipment and control procedures included in an equipment qualification program;
   b. Equipment qualification method and quality assurance;
   c. Analysis of the effect of equipment failures on equipment qualification and appropriate corrective actions to guarantee equipment qualification;
   d. Protective measures of the qualified equipment from adverse environmental conditions;
   e. Physical conditions and functionality of qualified equipment; and
   f. Records of all qualification measures taken during the installed service life of the equipment.

7. Particulars regarding the degradation due to aging: Confirmation of whether degradation due to aging of the structures, systems and equipment of reactor facilities is being effectively controlled to maintain the required safety margin and whether an adequate aging degradation control program is in place for the safe operation of a nuclear power plant in the future, both of which include each of the following. Provided, that Item (e) shall be subject to a periodic safety review of a nuclear power reactor and related facilities conducted twenty years after the date of operating license thereof.
   a. Classification and selection of structures, systems and equipment subject to review;
   b. Evaluation of degradation due to aging regarding each structures, systems and equipment subject to review;
   c. Functions and safety margin of structures, systems and equipment in connection with degradation due to aging;
   d. Prediction of the timing of under-performance and future physical condition of structures, systems and equipment; and
   e. Measures to mitigate, and programs to manage, degradation due to aging of structures, systems and equipment.

8. Matters related with safety performance:
   Confirmation of new trends in safety performance of reactor facilities through an investigation and analysis of the records on the safety performance and operation experience thereof, which includes each of the following:
   a. Mechanism to classify safety-related events and implement the analytical results of the root cause thereof;
   b. Methods for selecting and recording safety-related operational data, including maintenance, testing and inspection;
c. Trend analyses regarding safety–related operational data and the
degree of any non–functionality of safety systems;
d. Analysis of safety performance indicators; and
e. Records on personal dose to personnel working in the power plant,
data from radiation monitoring inside and outside of the power plant
and the quantity of radioactive effluents.

9. Matters related with use of experience of other nuclear power plants and
research findings: Confirmation of whether the operational experience of
other similar reactor facilities and the results of safety researches have
been properly reflected, which includes each of the following:
a. Adequacy of the programs and mechanisms for the purpose of
reflection of the operational experience of other reactor facilities and
research findings; and
b. Reflection of the operational experience of reactor facilities and
research findings as well as formulation of relevant measures.

10. Matters related to the procedures of operations, maintenance, and etc.: Confirma-
tion of whether the procedures for operation, maintenance, inspection, test and change of, and emergency responses regarding reactor
facilities have been established in accordance with appropriate standards,
which includes each of the following:
a. Mechanism to establish and revise safety–related procedures;
b. Arrangement for regular review and maintenance of procedures;
c. Clarity of procedures in consideration of the principles of human
factors;
d. Compliance of these procedures with the assumptions and findings of
the safety analysis, plant design and operational experience; and
e. The accident management plan for maintaining or recovering essential
safety functions.

11. Matters related with organization, management system and safety culture:
Confirmation of whether the organization and administration are properly
operated for the safe operation of reactor facilities, which includes each
of the following:
a. Safety mechanism including implementation of safety goals and
safety–first principles;
b. Documented roles and responsibilities of individuals and groups;
c. Mechanisms for maintaining configuration of reactor facilities;
d. Formal arrangements for employing external manpower or other
special staffs;
e. Staff training facilities and programs; and
f. Quality assurance program and regular quality assurance audits
involving independent auditors.
g. Systems for performing diagnosis, analysis, and periodic assessment
of the safety culture, promoting a safety culture
12. Matters related to human factors: Confirmation of the management status of various human factors that may affect the safe operation of reactor facilities, which includes each of the following:
   a. Status of personnel management including limitations on shifts and overtime work;
   b. Availability of qualified staff on duty at all times;
   c. Programs for initial training, refresher training and upgrading training, including the use of simulators;
   d. Analysis of human information requirements and workload; and
   e. Analysis of man–mechanic interface.

13. Matters related to emergency planning: Confirmation of whether there exist plans, personnel, facilities and equipment appropriate for responding to an emergency at reactor facilities, whether there exists emergency system which has systematic cooperative relations with local governments and central government agencies and whether training is being conducted on a regular basis, all of which include each of the following:
   a. Strategies, organizations, plans and procedures for emergencies;
   b. On-site equipment for emergency;
   c. Adequacy of emergency response facilities and communication facilities inside and outside the nuclear power plant;
   d. Mechanism for emergency training involving related organizations, reflection of experience, and facilitation of mutual cooperation;
   e. Periodic review programs regarding emergency plans and procedures; and
   f. Estimated time required for evacuation of residents.

14. Matters related to environmental impact: Confirmation of whether an environmental monitoring plan concerning reactor facilities has been properly formulated and implemented, which includes each of the following:
   a. Release limits and records in respect of every release path with the possibility of contamination by radioactivity;
   b. Alarms systems to respond to unplanned release of effluents from on-site facilities;
   c. Personal dose on residents in areas adjoining reactor facilities;
   d. Radiation environmental monitoring of areas outside a nuclear power plant; and
   e. Publication and distribution of environmental monitoring data.

(2) The below-listed shall be the detailed contents of safety assessment under Article 37 (2) of the Decree when operation is to continue pursuant to Article 36 (4) of the Decree:

1. Evaluation of life of major equipment in consideration of the period of
continued operation: In order to ensure that major structures, systems and equipment and function properly during the period of continued operation, the evaluation shall include each of the following:

a. Classification and selection of structures, systems and equipment subject to evaluation of life;
b. Analysis of an impact on the life of structures, systems and equipment; and
c. Evaluation of life of structures, systems and equipment in consideration of the impact from the surroundings during continued operation.

2. Evaluation of change of radiation environmental impact after an operating license: In order to evaluate a radiation environmental impact caused by continuous operation, the evaluation shall include each of the following changed after an operating license:

a. Changes in site characteristics;
b. Changes in the environment of the site surroundings;
c. Major design changes regarding systems related with radioactive wastes processing;
d. Impact on the surrounding environment as a result of continued operation; and
e. Environmental monitoring plan.

Article 21 (Standards for Periodic Safety Reviews)

(1) Articles applicable to the technical standards as provided in Subparagraph 4 of Article 38 (1) of the Decree shall be determined to commission’s rules.

(2) In addition to the Articles of the foregoing Paragraph (1), the safety level and safety measures for reactor facilities resulting from aging shall meet each of the following criteria:

1. Reactor facilities shall sustain safety functions in light of degradation due to aging that may occur with the lapse of time and secure safety margin which guarantees the safety until 10 years after the review base day; and

2. The operator of a nuclear power reactor shall establish and implement management program to deal with degradation due to aging of reactor facilities in order to guarantee the safety functions of structures, systems and equipment and the safety margin thereof.

(3) Among the technical standards and criteria as provided in the foregoing Paragraphs (1) and (2), certain standards or criteria may not apply in cases where such standards or criteria are not directly applicable to the relevant reactor facilities due to the purpose of, fundamental difference in, or the design features of, such facilities, or where it is acknowledged by the
Commission, in his reasonable discretion, that safety is not affected even if such standards or criteria are not applied.

(4) Matters applicable to technical standards as provided in Article 38 (2) of the Decree shall be as follows. Details thereof shall be determined and publicly notified by the Commission:

1. The operator of a nuclear power reactor shall perform a safety review by using the technical standards reflecting the latest operational experience and research findings at home and abroad so as to enhance the safety of structures, systems and equipment and shall consequently ensure the safety of nuclear reactors and related facilities; and

2. The operator of a nuclear power reactor shall perform a radiation environment impact assessment reflecting changes in the natural environment and site characteristics, etc. after obtaining an operating license, and ensure that the assessment findings satisfy the latest technical standards.

Article 22 (Application for Approval of Disassembly of Nuclear Reactor Facilities)

(1) One who desires to obtain approval for the disassembly of nuclear reactor facilities pursuant to the forepart of Article 28 (1) of the Act shall submit the application using Attached Form 13 to the Commission and attaching the below-listed documents.

1. The final plan for the disassembly of nuclear reactor facilities prepared by reflecting all changes after the preparation of the draft disassembly plan (“draft disassembly plan” hereinafter) under Article 103 (3) of the Act.

2. The documents specified under the items of paragraph 3

(2) When a person who desires to revise the details of the approval he or she has obtained for the disassembly of nuclear reactor facilities pursuant to the latter part of Article 28 (1) of the Act, he/she shall attach a comparison table of the documents submitted to the application for disassembly approval based on the items of paragraph 1 between before and after such revision, to his/her application using Attached Form 14 submitted to the Commission.

(3) “Documents provided under the Prime Minister’s Decree” under Article 28 (2) of the Act shall mean the following:

1. Quality warranty plan concerning disassembly.

2. Documents concerning opinions received pursuant to Article 144 (2) of the Decree.

3. Outcome of the hearing of opinions based on the latter part of Article 145 (5) of the Decree.

Article 23 (Report of Change in Minor Matters)
(1) The “minor matters as prescribed by the Ordinance of the Prime minister” provided in the proviso of Article 28 (1) of the Act mean any of the following:
1. Name and address of the approved person (in the case of a juridical person, its name, address and the name of its representative); and
2. Name and location of the place of business of operating reactor facilities.
3. Any misdescription, omission, or other similar reason for which the reason for the change is obvious;

(2) Any person, who intends to make a report according to the proviso of Article 28 (1) of the Act, shall submit to the Commission a report of change in minor matters on the attached Form 4 within thirty (30) days from the date when the reason for such report arose, with documents evidencing such change attached thereto.

Article 23–2 (Report, confirmation and inspection of disassembly status)

(1) Those who report the disassembly status of nuclear reactor facilities pursuant to the forepart of Article 28 (3) of the Act shall report the below—listed to the Commission on a quarterly basis:
1. Disassembly status of nuclear reactor facilities.
2. Removal status of radioactive contamination.
(2) The Commission that has received the report under paragraph 1 shall check and inspect the status of disassembly by document review, site checking, witnessed inspection, or interview with the persons inspected pursuant to the latter part of Article 28 (3) of the Act. In such a case, the Commission shall determine and publish specific methods of checking or inspecting the status of disassembly.

Article 23–3 (Report of completion of disassembly)

When nuclear reactor facilities are fully disassembled pursuant to Article 28 (4), it shall be reported to the Commission with a report on the completion of disassembly of the nuclear reactor facilities using Attached Form 14–2, indicating the below—listed together with the final report on site conditions provided under Article 23–4:
1. Disassembly strategy and history.
2. State of nuclear reactor facilities and site before and after disassembly.
3. Final status of radiation and radioactivity of nuclear reactor facilities and site, and radioactive waste management.
4. Radiation dose to which radiation workers participating in disassembly are exposed.
5. Any abnormal event that takes place during the disassembly process.

**Article 23–4** (Final site status report)

“Documents provided under the Prime Minister’s Decree” under Article 28 (5) of the Act shall mean the final site status report inclusive of the below-listed:
1. Plans, methods and outcome of survey of radiation and radioactive level in the final site state.
2. Plans for reuse of the site.

**Article 23–5** (Inspection of disassembly completed)

The Commission shall inspect the below-listed when nuclear reactor facilities are fully disassembled pursuant to Article 28 (6):
1. Whether the facilities have been disassembled based on the disassembly plans.
2. Whether the details of the disassembly completion report under Article 28 (5) match the completed state of disassembly.
3. Whether the final site status report under Article 23–4 satisfies the criteria for reuse of the site and the remaining buildings as determined and published by the Commission.

**Article 24** (Provisions Applicable Mutatis Mutandis)

Articles 13, 14 and 15–2 shall, with any necessary modifications, apply to those who have obtained an operation permit pursuant to Article 20 of the Act.

**Section 3 Construction and operation of nuclear reactors for research purposes, etc**

**Article 25** (Application for construction or application for operation, etc.)

(1) The application forms for construction or construction under Article 43 (1) of the Decree shall be Attached Form No. 15 or 15–2, respectively.
(2) Article 4 (2) to (5) shall apply with any necessary modifications to the preparation of the report of radiation impact on the environment, the preliminary safety analysis report, the quality warranty plans for construction, and the plans for disassembly of research and educational nuclear reactors and related facilities (“research nuclear reactors” hereinafter). In such cases, “nuclear power reactor and related facilities”
and “nuclear reactor facilities” shall read as “nuclear reactor facilities for research etc.” while “accident management program” shall read as “emergency operation manual”.

(3) Article 16 (2), (3) and (5) shall apply with any necessary modifications to the preparation of the technical specifications, the final safety analysis report and the operation quality warranty plans under Article 30–2 (2). In such cases, “nuclear reactor facilities” shall read as “nuclear reactor facilities for research etc.

(4) “Other documents as prescribed by the Ordinance of the Prime minister” provided in Article 30 (2) of the Act mean any of the following:
1. The written description of the usage or purposes of nuclear reactor facilities for research etc. in the forepart of Article 30 (1).
2. Description of technical capabilities concerning the installation of a research nuclear reactor that has been prepared pursuant to the guidelines determined and published by the Commission
3. Articles of incorporation (in the case of a juridical person only).

(5) “Other documents as prescribed by the Ordinance of the Prime minister” provided in Article 30–2 (2) of the Act mean any of the following:
1. Description of technical competency in operating nuclear reactor facilities for research, etc., prepared pursuant to the guidelines published by the Commission
2. Description of plans for charging nuclear fuel
3. Description of technical grounds and verification methods that apply to the preparation of the emergency operation procedure
4. Articles of incorporation (limited to corporations only)

(6) When receiving an application for permit in accordance with Article 30 (2) or 30–2 (2) of the Act, the Commission shall check a certified copy of the applicant's corporate register (to the extent that the applicant is a juridical person) through the administrative information sharing system under Article 36 (1) of the Act on Electronic Government.

(7) The Commission shall issue to the applicant a permit certificate using Attached Form No. 2 when permitting the construction of a nuclear reactor facility for research, etc., pursuant to the main text of Article 30 (1) of the Act or operation of a nuclear reactor facility for research, etc., pursuant to Article 30–2 (1) of the Act.

Article 26 (Application for Change Permit)

(1) The application form for permit of changes in construction or operation under Article 44 of the Decree shall be Attached Form No. 16 or 16–2, respectively.
(2) The following documents shall be attached to the application form under paragraph 1:
1. A comparative table of the attached documents requesting a permit before and after modification
2. A certificate of permit

Article 27 (Report on Entry or Departure of Foreign Nuclear-Powered Ships)

(1) Report on entry or departure of a foreign nuclear-powered ship as provided in Article 45 (1) of the Decree shall be made with the attached Form 17.
(2) The Commission shall notify the Minister of Oceans and Fisheries of each of the following pursuant to Article 31 (2) of the Act:
1. Thermal output limit of the nuclear reactor;
2. Distance from the place of anchorage to the areas where people reside;
3. In case of an emergency, the time taken from the timing when the emergency occurred to the timing when the nuclear-powered ship is towed by a tug boat; and
4. Other matters that the Nuclear Safety and Security Commission acknowledges as necessary, in his reasonable discretion, to prevent any disaster caused by nuclear fuel materials, other materials contaminated thereby or by a nuclear reactor.

Article 28 (Report on Change of Entry or Departure of Foreign Nuclear-Powered Ships)

Any person, who intends to make a report as prescribed in Article 45 (2) of the Decree, shall submit to the Commission a report on the attached Form 18.

Article 29 (Report on Business Suspension/Discontinuance, etc.)

Any person who wishes to report in accordance with Article 33 of the Act, submit to the Commission a report on the attached Form 19.

Article 30 (Provisions Applicable Mutatis Mutandis)

Article 6, Articles 13, 14, 14–2, 14–3, 15, 15–2, Articles 18 through 23, and Articles 23–2 through 23–5 shall apply with any necessary modifications to those who desire to obtain or have obtained a permit for construction or a license for operation of nuclear reactor facilities for research etc. In such cases, “nuclear reactor facilities” shall read as
Chapter III Nuclear Fuel Cycle Facility

Section 1 Refining Service

Article 31 (Application, etc. for a Permit for Refining Business)

(1) An application for a permit for refining business as provided in Article 48 of the Decree shall be made with the attached Form 20.
(2) Each of the following documents shall be attached to such application as provided in the foregoing Paragraph (1):
1. Business plan containing each of the following:
   a. Planned timing of commencement of the refining business and planned production volume of nuclear materials in each business year during the three-year period following commencement of the refining business;
   b. Amount of required financial resources for construction and a financing plan;
   c. Cash flow plan and business profit/loss projection for each business year during the three-year period following commencement of the refining business; and
   d. Plans for the procurement of materials necessary for refining.
2. Explanatory statement on the technical capabilities containing each of the following:
   a. Patents and other technical proprietary rights to refining;
   b. Overview of refining methods based on special technologies or equivalents thereof;
   c. Brief personal records of key engineer; and
   d. Other matters related to technical capabilities regarding refining.
3. Documents on the location, structure, equipment and process of refining facilities
4. Documents on the construction plan of refining facilities
5. Articles of incorporation (in the case of a juridical person only)
6. Radiation environmental report
7. Quality assurance program on the operation of the refining business
8. Safety control regulations containing each of the following:
   a. Matters related to the organization managing the refining facilities and the functions thereof;
   b. Matters related to patrolling, checking and self-inspection of refining facilities and relevant measures:
c. Matters related to the carry-out, carry-in, transportation, storage and handling of nuclear materials;
d. Matters related to the records of preservation regarding refining facilities; and
e. Matters necessary for ensuring safety in relation to refining facilities.

9. Description of design and construction methods

10. Disassembly plans

(3) Upon receipt of a permit application under Article 48 of the Decree, the Commission shall check the applicant’s certificate of corporate registration (limited to corporations) using the common administrative information system as provided under Article 36 paragraph 1 of the e-Government Act.

(4) Upon the permit for the refining business as provided in the main clause of Article 35 (1) of the Act, the Commission shall deliver to the applicant a permit on the attached Form 21.

**Article 32 (Application for Change Permit)**

(1) An application for change permit as provided in Article 49 of the Decree shall be made with the attached Form 22.

(2) The following documents shall be attached to the application form under paragraph 1:
   1. A comparative table of the attached documents concerning a request for a permit before and after modification
   2. A certificate of permit

**Article 33 (Report of Change in Minor Matters)**

(1) The “minor matters as prescribed by the Ordinance of the Prime minister” provided in the proviso of Article 35 (1) of the Act mean any of the following:
   1. Name and address of the applicant (in the case of a juridical person, its name, address and the name of its representative);
   2. Name of the place of business;
   3. Schedule of construction of the refining facilities;
   4. Type, annual estimated volume and procurement plan of nuclear materials to be handled at refining facilities; and
   5. Matters other than the organization for quality assurance control among the details of the quality assurance program.

(2) Anyone who intends to declare changes or modifications pursuant to Article 35 paragraph 1 proviso shall submit to the Commission the Attached Form No. 4 and the following documents within 30 days of the reason for which the declaration is made:
1. Documentary evidence of the changes
2. A certificate of permit

**Article 34 (Technical Capability)**

In Subparagraph 1, Article 36 (1) of the Act, the phrase “technical capability as provided in the Ordinance of the Prime minister shall be available” means that all of the following requirements are met:
1. An organization and department necessary for the refining business shall be formed and the responsibility and authority required for performance of duties shall be specifically assigned;
2. There shall be an engineering and technical support organization to review safety-related matters that arise in the process of refining;
3. A person engaged in refining shall possess the qualifications and experience commensurate with the responsibility and authority thereof; and
4. Test and inspection plans shall be formulated pertaining to major safety-related structures and equipment.

**Article 35 (Periodic Inspection)**

(1) Inspections as provided in Article 50 of the Decree shall be periodically implemented once a year after commencement of business.
(2) Any person, who wishes to receive a periodic inspection under the foregoing Paragraph (1), shall submit to the Commission an application for inspection of nuclear fuel cycle facilities on the attached Form 23 at least thirty (30) days prior to the desired date of inspection, with major maintenance details and schedule of test and check of each facility subject to inspection attached thereto.

**Article 36 Deleted.**

**Article 37 (Report of Change in Minor Matters)**

(1) The “minor matters as prescribed by the Ordinance of the Prime minister” provided in the proviso of Article 42 (1) of the Act mean any of the following:
1. Name and address of the approved person (in the case of a juridical person, its name, address and the name of its representative);
2. Name and location of the place of business of operating the refining facilities; and
3. Matters other than the organization for quality assurance control among the details of the quality assurance program.
(2) Any person, who intends to file a report according to the proviso of Article 42 (1) of the Act, shall submit to the Commission a report of change in minor matters on the attached Form 5 within thirty (30) days from the date when the reason for such report arose, with documents evidencing such change attached thereto.

**Article 38** (Report of Commencement of Business, etc.)

Commencement of the service under Article 43 of the Act shall be declared using Attached Form No. 26.

**Article 39** (Provisions Applicable Mutatis Mutandis)

Article 4 paragraph 2 subparagraphs 1 through 4 and paragraph 4, Article 13, 14 and 15–2 shall apply mutatis mutandis to those who intend to obtain or who have obtained a permit for a refining service.

### Section 2 Conversion or Processing Service

**Article 40** (Application for a Permit for Fabrication Business, etc.)

(1) An application for a permit as provided in Article 53 (1) of the Decree shall be made with the attached Form 27.

(2) Each of the following documents shall be attached to such application as provided in the foregoing Paragraph (1):

1. Business plan containing each of the following:
   a. Planned timing of commencement of the fabrication business and planned conversion volume by type of product in each business year during the three-year period following commencement of the fabrication business;
   b. Amount of required financial resources for construction and a financing plan;
   c. Cash flow plan and business profit/loss projection for each business year during the three-year period following commencement of the fabrication business; and
   d. Plan to procure nuclear fuel materials for conversion for each business year during the three-year period following commencement of the fabrication business.

2. Explanatory statement on technical capabilities containing each of the following:
   a. Patents and other technical proprietary rights to fabrication;
   b. Overview of the fabrication methods based on special technologies or
enforcement rule of the nuclear safety act

1. Enforcement Rule of the Nuclear Safety Act

2. Equivalents thereof;
c. Brief personal records of key engineers; and
d. Other matters related to technical capabilities regarding fabrication.
3. Documents on the location, structure and equipment of fabrication facilities and fabrication methods
4. Documents on the construction plan for fabrication facilities
5. Articles of incorporation (in the case of a juridical person only)
6. Radiation environmental report
7. Quality assurance program regarding operation of the fabrication business
8. Safety control regulations containing each of the following:
a. Matters related to the organization managing fabrication facilities and the functions thereof;
b. Matters related to patrolling, checking and self-inspection of fabrication facilities and relevant measures;
c. Matters related to the carry-out, carry-in, transportation, storage and handling of nuclear materials;
d. Matters related to the preservation records regarding fabrication facilities; and
e. Matters necessary for safety in relation to fabrication facilities.
9. Explanatory statement on the design and construction methods
10. Disassembly plans

(3) When receiving an application for permit in accordance with Article 53 (1) of the Decree, the Nuclear Safety and Security Commission shall check a certified copy of the applicant's corporate register (to the extent that the applicant is a juridical person) through the administrative information sharing system under Article 36 (1) of the Act on Electronic Government.

(4) Upon the grant of a permit for the fabrication business as provided in the former part of Article 35 (1) of the Act, the Commission shall issue to the applicant a permit on the attached Form 21.

Article 41 (Application for Change Permit)

(1) An application for change permit as provided in Article 54 of the Decree shall be made with the attached Form 28.
(2) The following documents shall be attached to the application form under paragraph 1:
1. A comparative table of the attached documents concerning a request for a permit before and after modification
2. A certificate of permit

Article 42 (Application for Facility Inspection)

(1) Attached form No. 23 shall be used when requesting an inspection
(2) A document showing the project schedule shall be attached to the application form under paragraph 1.
(3) An application for inspection under Article 55 paragraph 2 of the Decree shall be made no later than 30 days before the day of inspection.

Article 43 (Provisions Applicable Mutatis Mutandis)

Article 4 (2) 1 through 4, (4) of the same Article, Articles 13, 14, 15–2, 33 through 35, 37 and 38 shall apply with any necessary modifications to those who desire to obtain or have obtained a license for a processing service.

Section 3 Spent Nuclear Fuel Processing Service

Article 44 (Application for Designation, etc.)

(1) An application for a designation as provided in Article 61 (1) of the Decree shall be made with the attached Form 29.
(2) Each of the following documents shall be attached to such application as provided in the foregoing Paragraph (1):
1. Explanatory statement on the purpose of the spent fuel processing business
2. Business plan containing each of the following:
   a. Planned timing of the commencement of the spent fuel processing business and planned processing volume by type of spent fuel in each business year during the three–year period following commencement of such business;
   b. Planned production volume by type of product in each business year during the three–year period following commencement of the spent fuel processing business;
   c. Amount of required financial resources for construction and a financing plan;
   d. Cash flow plan and business profit/loss projection for each business year during the three–year period following commencement of the spent fuel processing business; and
   e. Estimated volume by type of spent fuel material necessary for the spent fuel processing business and a procurement plan thereof for each business year during the three–year period following commencement of the spent fuel processing business.
3. Explanatory statement on technical capabilities containing each of the following:
   a. Patents and other technical proprietary rights to spent fuel processing;
b. Overview of the methods to process spent nuclear fuels based on special technologies or equivalents thereof;
c. Brief personal records of key engineers; and
d. Other matters related to technical capabilities regarding spent fuel processing.
4. Location, structure, equipment and construction plan of spent fuel processing facilities
5. Methods of processing spent nuclear fuels
6. Documents on the processing and disposal of nuclear fuel materials separated from spent nuclear fuels
7. Explanatory statement on the natural conditions of the site where spent fuel processing facilities are to be installed including meteorology, oceanography, geology and geotechnical engineering, hydrologic engineering, and seismology, social environment thereof and so forth
8. A topographical map with a scale of 1 to 200,000 for the area within a twenty–kilometer radius from the center of the planned spent fuel processing facilities and a topographical map with a scale of 1 to 50,000 for the area within a five–kilometer radius from such center
9. Explanatory statement on the safety design of spent fuel processing facilities (including the layout of major facilities)
10. Explanatory statement on the design and construction methods
11. Explanatory statement on control of radiation exposure resulting from spent nuclear fuels and so forth and disposal of radioactive wastes
12. Explanatory statement on the type, degree, impact and so forth of any potential accident regarding spent fuel processing facilities arising from any of the following:
   a. Operational error;
   b. Machinery and equipment failure; and
   c. Hazards including flood, earthquakes and fires.
13. Articles of incorporation (in the case of a juridical person only)
14. Safety control regulations
15. Disassembly plans
(3) The safety control regulations as provided in Subparagraph 14 of the foregoing Paragraph (2) shall contain each of the following:
1. Matters related to the organization operating and managing spent fuel processing facilities and the functions thereof
2. Safety management education for radiation workers at facilities for processing used nuclear fuel
3. Matters related to manipulation of safety control facilities
4. Matters related to the safe operation of spent fuel processing facilities
5. Matters related to the designation of, and control of access to, radiation control areas, preservation areas and exclusion areas
6. Matters related to ventilation and drainage monitoring facilities
7. Matters related to radiation control areas, preservation areas and exclusion areas as set forth in each of the following:
   a. Personal dose;
   b. Concentration of radioactive materials; and
   c. Monitoring of the level of surface contamination of the materials contaminated by radioactive materials and decontamination thereof.
8. Matters related to control of radiation survey meters and methods of radiation survey
9. Matters related to patrolling and checking of spent fuel processing facilities and relevant measures
10. Matters related to periodic self-inspection of spent fuel processing facilities
11. Matters related to the carry-in, transportation, storage and other handling of nuclear fuel materials
12. Matters related to the disposal of radioactive wastes
13. Matters related to radiation control regarding waters near the drainage passage and so forth
14. Matters related to measures to be taken in the event of an emergency
15. Matters related to safety control records in connection with spent fuel processing facilities
16. Matters necessary for safety control regarding spent fuel processing facilities

(4) Upon receipt of the application for designation under Article 61 paragraph 1 of the Decree, the minister in charge shall check the applicant’s certificate of corporate registration (limited to corporations only) using the system for sharing administrative information pursuant to Article 36 paragraph 1 of the e-Government Act.

(5) The minister in charge shall issue the designation certificate using Attached Form No. 30 when designating the spent nuclear fuel processing service pursuant to Article 35 paragraph 2 of the Act.

Article 45 (Application for Approval of Change)

(1) An application for the approval of any change pursuant to Article 62 of the Decree shall be made with the attached Form 31.
(2) The following documents shall be attached to the application form under paragraph 1:
1. A comparative table of attached documents concerning a request for designation before and after modification
2. A certificate of designation
Article 46 (Application for Pre-operational Inspection)

(1) An application for the inspection as prescribed in Article 63 (2) of the Decree shall be made with the attached Form 23.
(2) A document showing project schedule shall be attached to the application form under paragraph 1.
(3) An application for inspection under Article 63 paragraph 2 of the Decree shall be submitted no later than 30 days before the day of inspection.

Article 47 (Periodic Inspection)

(1) Any person designated as provided in the former part of Article 35 (2) of the Act (hereinafter referred to as “spent fuel processing enterpriser”) shall undergo a periodic inspection of each of the following as regards the performance of spent fuel processing facilities in accordance with Article 65 (1) of the Decree:
1. Spent fuel carry-in facilities;
2. Spent fuel storage facilities;
3. Main body of spent fuel processing facilities (including hot cells);
4. Radiation control facilities;
5. Radioactive waste processing facilities;
6. Radioactive waste storage facilities;
7. Product storage facilities;
8. Instrumentation and control system facilities; and
9. Emergency electrical power supply facilities.
(2) A spent fuel processing enterpriser shall undergo a periodic inspection once or more every two years in respect of the facilities as set forth in each Subparagraph of the foregoing Paragraph (1).
(3) If a spent fuel processing enterpriser wishes to receive a periodic inspection, he shall submit to the Commission an application for inspection of nuclear fuel cycle facilities on the attached Form 23 at least thirty (30) days prior to the desired date of inspection, with major maintenance details and schedule of test and check of each facility subject to inspection attached thereto.

Article 48 (Provisions Applicable Mutatis Mutandis)

Article 4 (2) 1 through 4, (4) of the same Article, Articles 13, 14, 15–2, 33, 34, 37 and 38 shall apply with any necessary modifications to those who desire to be designated or have been designated as a business for processing used nuclear fuel. In this case, “permit” shall be viewed as
“designation certificate.”

Section 4 Disassembly of Nuclear Fuel Cycle Facilities

Article 48–2 (Application for Approval of Disassembly of Nuclear Fuel Cycle Facilities)

(1) One who desires to obtain approval for the disassembly of nuclear fuel cycle facilities pursuant to the forepart of Article 42 (1) of the Act shall submit the application using Attached Form 31–2 to the Commission and attach the below-listed documents:

1. Final plan for the disassembly of nuclear fuel cycle facilities prepared after reflecting all changes after the preparation of the draft disassembly plan under Article 35 (3) of the Act.

2. Documents provided under paragraph 3.

(2) When a person who desires to revise the details of the approval has obtained for the disassembly of nuclear fuel cycle facilities pursuant to the latter part of Article 42 (1) of the Act, he/she shall attach a comparison table of the documents to be submitted with the application for disassembly approval based on the items of paragraph 1 between before and after such revision, to his/her application using Attached Form 31–3 to be submitted to the Commission.

(3) “Documents provided under the Prime Minister’s Decree” under Article 42 (2) of the Act shall mean the quality warranty plan for disassembly.

Chapter IV Use of Nuclear Material

Section 1 Use of Nuclear Fuel

Article 49 (Application for a Permit to Use Nuclear Fuel Materials, etc.)

(1) An application for a permit as provided in Article 69 of the Decree shall be made with the attached Form 32.

(2) The safety control regulations as provided in Article 45 (2) of the Act shall contain each of the following:

1. Matters related to the organization managing the use facilities, distribution facilities, storage facilities, conservation facilities, processing facilities and discharge facilities (hereinafter referred to as “use facilities, etc.”) and the functions thereof;
2. Matters concerning the safety management education of radiation workers;
3. Matters related to operation of equipment that needs to be controlled for the purpose of preventing disasters;
4. Matters related to the establishment of, and control of access to, a radiation control area, monitoring of personal dose, decontamination and so forth;
5. Matters related to ventilation and drainage monitoring facilities;
6. Matters related to control of radiation survey meter and method of radiation measurements;
7. Matters related to surveillance and inspection of use facilities, etc. and relevant measures;
8. Matters related to carry-out, carry-in, transportation, storage and other handling of nuclear fuel materials;
9. Matters related to storage, processing, discharge and delivery of radioactive wastes;
10. Matters related to measures to be taken in the event of an emergency;
11. Matters related to preservation of environment; and
12. Other matters related to safety control regarding use facilities, etc.

(3) The “other documents as prescribed by the Ordinance of the Prime minister” provided in Article 45 (2) of the Act mean any of the following:
1. Explanatory statement on technical capabilities necessary for the use of nuclear fuel materials including those persons who handle nuclear fuel materials;
2. Explanatory statement on shielding from radiation caused by nuclear fuel materials or materials contaminated thereby;
3. Explanatory statement on processing, storage and discharge facilities of nuclear fuel materials and materials contaminated thereby;
4. Matters related to environmental impact by radiation and environmental protection; and
5. Explanatory statement on the type, degree and cause of a potential accident as a result of each of the following and disaster prevention measures in regard to such accident:
   a. Operational fault;
   b. Machinery and equipment failure; and
   c. Hazards including earthquakes and fires.
6. Documents evidencing acquisition of equipment or personnel

(4) Upon the approval of the permit as provided in the main clause of Article 45 (1) of the Act, the Commission shall issue to the applicant a permit on the attached Form 33.

Article 50 (Application for Change Permit)
(1) An application for change permit as provided in Article 70 of the Decree shall be made with the attached Form 34.
(2) The following documents shall be attached to the application form under paragraph 1:
1. A comparative table of attached documents concerning a request for a permit before and after modification
2. Certificate of permit

Article 51 (Report of Change in Minor Matters)

(1) The “minor matters as prescribed by the Ordinance of the Prime minister” provided in the proviso of Article 45 (1) of the Act mean any of the following:
1. Name and address of the permitted person (in the case of a juridical person, its name, address and the name of its representative);
2. Name of the business place pertaining to such change;
3. Construction schedule of the use facilities, etc. of nuclear fuel materials;
4. Type, annual estimated volume and procurement plan of nuclear fuel materials to be handled at the use facilities, etc. of nuclear fuel materials.
(2) Anyone who intends to declare a change or modification pursuant to Article 45 paragraph 1 proviso of the Act shall submit to the Commission a written declaration using attached form No. 4 together with documents evidencing the change and the certificate of permit based on the following category:
1. When any change is made to matters falling under paragraph 1 subparagraph 1 or 2: Within 10 days of the day of change
2. When a change is to be made concerning matters falling under paragraph 1 subparagraph 3 or 4: Within 10 days of the day of change planned.

Article 52 (Technical Capability)

In Subparagraph 1, Article 46 of the Act, the phrase “technical capability as provided in the Ordinance of the Prime minister shall be available” means that all of the following requirements are met:
1. An organization necessary for the use of nuclear fuel materials is formed and the responsibility and authority required for performance of duties are specifically assigned; and
2. A person engaged in the use of nuclear fuel materials possesses the qualifications and experience commensurate with the responsibility and
authority thereof.

**Article 53** (Application for Facility Inspection)

(1) An application for inspection as provided in Article 73 (2) of the Decree shall be made with the attached Form 35.
(2) An application for inspection as provided in Article 73 (3) of the Decree shall be made with the attached Form 36.

**Article 54** (Periodic Inspection)

(1) Such inspection as provided in Article 75 of the Decree shall be periodically implemented once a year after commencement of utilization.
(2) Any person, who wishes to receive a periodic inspection under the foregoing Paragraph (1), shall submit to the Commission an application for on the attached Form 37.

**Article 55** (Provisions Applicable Mutatis Mutandis)

Articles 13, 14, 15–2 and 38 shall be applied mutatis mutandis to those who have obtained a permit for the use or possession of nuclear fuel.

[Section 2 Use of Nuclear Fuel]

**Article 56** (Notification on the Use of Nuclear Source Materials)

(1) A notification as provided in Article 77 of the Decree shall be made with the attached Form 38.
(2) “Nuclear source materials of such kind and quantity as prescribed by the Ordinance of the Prime minister” as provided in Article 52 (1) 2 of the Act mean those materials with radioactive concentration of not more than 74 becquerels per gram (370 becquerels per gram in the case of solid nuclear source materials), or the aggregate of the amount calculated by multiplying the uranium volume by three and the amount of thorium is not more than 900 grams.
(3) Upon receipt of such notification as provided in the foregoing Article 77 the Commission shall issue to the notifier a certificate of notification on the attached Form 39.

**Article 57** (Report on Change of the Use of Nuclear Source Materials)
(1) A report as provided in Article 78 of the Decree shall be made with the attached Form 40.
(2) The following documents shall be attached to the declaration form under paragraph 1:
1. Documentary evidence of the changes
2. A certificate of declaration

Chapter V Administration of Radioisotope, Radioactive Waste and Radioactive Material

Article 58 (Application for a Permit for the Production of Radioisotopes, etc.)

(1) An application for a permit for the production of radioisotopes or radiation generating devices (hereinafter referred to as “radioisotopes, etc.”) as provided in Article 79 (1), (2), and (3) of the Decree shall be made with the attached Form 41, or the attached Form 42.
(2) Pursuant to Article 53 (3) of the Act, each of the following documents shall be attached to such application as provided in the foregoing Paragraph (1).
1. Safety analysis report
2. Quality assurance plan
3. Radiation safety report
4. Safety management regulations
5. Documents evidencing the purchase of equipment as prescribed in attached Table 2 of the Decree;
6. Documents evidencing the employment of personnel as prescribed in attached Table 3 of the Decree;
7. Compensation standards as prescribed in Subparagraph 1 of Article 152 of the Decree; and
(3) A safety analysis report as provided in hall contain each of the following as determined and publicly notified by the Nuclear Safety and Security Commission:
1. Overview and specifications of radioisotopes, etc.;
2. Material, structure and safety assessment of radioisotopes, etc.; and
3. Performance test program of radioisotopes, etc.
(4) The radiation safety report under paragraph 2 subparagraph 3 shall indicate the following pursuant to the preparation guidelines determined and published by the Commission; however, any matters that are irrelevant to the item to be licensed or permitted may be skipped.
1. Overview of the facility
2. Environment around the facility
3. Outline of the operation plan
4. Characteristics, location and specifications of radioactive sources
5. Outline of safety facilities
6. Radiation handling methods or radiation safety management programs
7. Procedure, method and outcome of assessment of anticipated exposure dose
8. Impact of radiation on surrounding environment
9. Risk of accident and countermeasures
10. Occurrence and plan for handling radioactive waste
11. Personal information and qualifications of personnel responsible for drafting radiation safety reports

(5) The safety management regulations provided under paragraph 2 subparagraph 4 shall indicate the following pursuant to the preparation guidelines determined and published by the Commission: However, information irrelevant to the license may be omitted.
1. Information concerning organizations that handle radioisotopes or substances contaminated by radioisotopes, and their functions
2. Information concerning the purchase, use or sale of radioisotopes
3. Information concerning the distribution, storage, transport, processing, discharge, storage, in-house disposal or delivery of radioisotopes or substances contaminated by radioisotopes
4. Information concerning the measurement, recording and archiving of measurement outcomes of radiation dose rates, radiation exposure doses, radioactive materials or substances contaminated by them (“radioactive materials” hereinafter)
5. Information concerning the storage, maintenance or calibration of equipment designed for the safe management of radiation
6. Matters concerning assessment of the radiation expose dose of radiation workers and frequent visitors, and management of individual exposure dosimeters
7. Matters concerning education/training on the prevention of radiation hazards for radiation workers and frequent visitors
8. Information concerning actions required to detect radiation hazards
9. Matters concerning health actions required for those who are feared to have been exposed or who have been exposed to radiation hazards
10. Information concerning recording and maintenance pursuant to Article 58 of the Act
11. Information concerning actions taken against hazards
12. Information concerning countermeasures or the prevention of accidents, including the loss or theft of radioisotopes
13. Information concerning the authority, responsibilities and performance of
the radiation safety officer

14. Other information concerning defense against radiation hazards
(6) Upon receipt of an application under Article 79 of the Decree, the Commission shall check the applicant’s tax payer registration certificate using the system for sharing administrative information under Article 36 paragraph 1 of the e-Government Act. If the applicant does not agree to the check, however, he/she shall be required to attach a copy of his/her tax payer registration certificate.
(7) The Commission shall issue to the applicant the permit certificate using Attached Form No. 43 or 44 when the production of radioisotopes is permitted pursuant to the main sentence of Article 53 paragraph 1 of the Act. If the production of a special radioactive material is permitted, approval of the design of the special radioactive material shall also be issued using Attached Form No. 45.

Article 59 (Application for a Permit for the Sale of Radioisotopes, etc.)

(1) Application shall be made for the permit for the sale of radioisotopes under Article 79 paragraph 1 of the Decree, using Attached Form No. 46 or 47.
(2) Pursuant to Article 53 (3) of the Act, each of the following documents shall be attached to such application as provided in the foregoing Paragraph (1):
1. Documents as prescribed in subparagraphs 3 through 7 in Article 58 (2) (among document under subparagraph 6 of Article 48 (2), a copy of the business agent service contract in case the radiation safety officer is to be replaced by personnel under Attached Table 3);
2. Demand, supply and sale program regarding radioisotopes, etc.;
3. Statement on radiation generating devices to be handled in the case of radiation generating devices
(3) When receiving an application for permit in accordance with Article 79 (1) of the Decree, the Nuclear Safety and Security Commission shall check the applicant's business registration certificate through the administrative information sharing system under Article 36 (1) of the Act on Electronic Government. If the applicant refuses to give consent to such check, the Nuclear Safety and Security Commission shall cause the applicant to attach a copy of the business registration certificate.
(4) Upon the grant of the permit for the sale of radioisotopes, etc. as provided in the main clause of Article 53 (1) of the Act, the Commission shall issue to the applicant a permit on the attached Form 48 or on the attached Form 49.

Article 60 (Application for a Permit for the Use of Radioisotopes, etc.)
Article 61 (Application for a Permit for the Mobile Use of Radioisotopes, etc.)

(1) An application for a permit for the mobile use of radioisotopes, etc. as provided in Article 79 (1) of the Decree shall be made with the attached Form 54, or the attached Form 55

(2) Pursuant to Article 53 (3) of the Act, each of the following documents shall be attached to such application as provided in the foregoing Paragraph (1).<Amended on 16 August 2013>

1. Documents falling under Article 58 paragraph 2 subparagraphs 3 to 6 (documents certifying that the applicant satisfies the criteria for equipment under Annex 2 or personnel under Annex 3 if radioisotopes are to be mobile-used for a radiographic inspection)

2. Documents under Article 58 paragraph 2 subparagraph 7

(3) Upon receipt of an application under Article 79 paragraph 1 of the Decree, the Commission shall check the applicant’s tax payer registration certificate using the system for sharing administrative information under Article 36 paragraph 1 of the e-Government Act. If the applicant does not agree to the check, however, he/she shall be required to attach a copy of his/her tax payer registration certificate.

(4) The Commission shall issue to the applicant the permit certificate using Attached Form No. 56 or 53 when the mobile use of radioisotopes is permitted pursuant to the main sentence of Article 53 paragraph 1 of the Act.
Article 62 (Application for Change Permit)

(1) An application for change permit as provided in Article 80 of the Decree shall be made with the attached Form 58.
(2) Each of the following documents shall be attached to such application as provided in the foregoing Paragraph (1):
   1. Documents related to the change;
   2. A document stating the measures to be taken for radiation hazard protection during the period of construction in the case of any change accompanying construction; and
   3. A certificate of permit.

Article 63 (Report of Change in Minor Matters)

(1) The "temporary change of the place of use or change of other minor matters" provided on the proviso of Article 53 (1) of the Act means any of the following changes: <Amended on 16 August 2013>
   1. Temporary change of the place of use that falls under any of the following:
      a. Change in the place of use of radioisotopes, etc. for the mobile use thereof at a place other than the existing place of business for the purpose of assay or calibration;
      b. Opening a workplace (referring to a place where radioisotope is used, the same hereinafter) for the mobile use of radioisotopes outside a business establishment for a radiographic inspection;
      c. Change in the place of use of radiation generating devices or devices containing radioisotopes (hereinafter referred to as "radiation equipment") for mobile use thereof at a place other than the existing place of business for the purpose of an check, search or security; and
      d. Changing the place of use in order to display or exhibit a radiation generator or appliance which contains a radioisotope therein (hereinafter "radiation appliance") for promotion outside a business establishment.
   2. Change that falls under any of the following:
      a. Matters related to the reduction of the types or quantity of radioisotopes, etc. that does not require any change in use facilities, etc.;
      b. Name and address of the permitted person (hereinafter permitted user) (in the case of a juridical person, its name and address and the name of its representative);
      c. Deleted.
      d. Information concerning the addition or modification of radioisotopes subject to declaration of use by the permitted user under Article 65 or radiation generating devices subject to declaration of use by the
permitted user under Article 66.
e. Matters related to a change of safety control regulations.

(2) In the event any matter as set forth in Subparagraph 2 of the foregoing Paragraph (1) is changed, a report on the attached Form 4 shall be submitted to the Commission within thirty (30) days from the date of such change. Provided, that in the event the matter set out in Subparagraph 2 (d) of the foregoing Paragraph (1) is changed, such report shall be submitted prior to making such change.

(3) The following documents shall be attached to the declaration form under paragraph 2:
1. Documents concerning the change or modification
2. A certificate of permit

**Article 64** (Declaration of temporary change of use place)

(1) Anyone who intends to declare a change(s) concerning information under Article 63 paragraph 1 subparagraph 1 (excluding item b) pursuant to Article 53 paragraph 1 proviso of the Act shall submit Attached Form No. 59 to the Commission five days before commencement of the mobile use. The same shall apply to a revision of the information declared. <Amended on 16 August 2013>

(2) Each of the following documents shall be attached to such report as provided in the foregoing Paragraph (1):
1. Explanatory statement on the place of use and the surrounding area thereof;
2. Detailed structure description of storage facilities;
3. Layout of storage facilities and the radiation control area;
4. Explanatory statement on work methods;
5. Explanatory statement on transportation methods; and
6. Documents related to change of reported matters (only in those cases where any reported matter is to be changed).

(3) Anyone who intends to declare a change(s) concerning information falling under Article 63 (1) 1. b. shall submit Attached Form No. 59–2 to the Commission together with the documents listed below 30 days before commencement of the mobile use (or five days in advance if the work period is less than one month or if urgent handling is required): The same shall apply to a revision of the information declared. <Amended on 16 August 2013>
1. Radiographic inspection contract with the customer
2. Description of the workplace and surrounding area
3. Statement of structure of storage facility or outcome of shielding assessment
4. Description of radiation control zone
5. Description of work methods
6. Description of transport methods
7. Documents concerning the assignment of workplace radiation safety officer

(4) When a temporary workplace operation is finished, the person who declares pursuant to paragraph (3) shall submit Attached Form No. 59-3 to the Commission together with the customer’s certificate of workplace closure, including the personnel concerned and the volume of work, within 10 days. <Newly inserted on 16 August 2013>

Article 65 (Radioisotopes of Which Use, etc. Should Be Notified)

The “sealed radioisotopes, the purpose of use or the quantity of which is smaller than what is prescribed by the Ordinance of the Prime minister” provided in Article 53 (2) of the Act mean sealed radioisotopes meeting each of the following standards which are not feared to be damaged during the use or mobile use thereof, with radioactivity signs attached on the exterior of a container or equipment:

1. Usage:
   a. X-ray fluorescence analysis;
   b. X-ray diffractometry;
   c. Electron capturing regarding gas chromatography; and

2. Quantity:
   a. If radioisotopes are contained in any equipment for calibration, the quantity of radioisotopes shall not be more than 40 megabecquerels, and the surface radiation dose rate shall be not more than 500 microsieverts per hour when radioisotopes are in use and 1 microsievert per hour when radioisotopes are not in use; and
   b. If radioisotopes are contained in any container or equipment other those as provided in the foregoing Item (a), the quantity of radioisotopes shall be not more than the level determined by Nuclear Safety and Security Commission and the surface radiation dose rate shall be not more than 10 microsieverts per hour, and such equipment shall be integral equipment that is prevented from contact with radioactive materials.

Article 66 (Radiation Generating Devices of Which Use, etc. Should Be Notified)

The “radiation generating devices, the purpose of use or the capacity of which is less than what is prescribed by the Ordinance of the Prime
minister” provided in Article 53 (2) of the Act mean those radiation generating devices which meet each of the following standards:

1. Usage:
   a. X-ray fluorescence analysis;
   b. X-ray diffractometry;
   c. Accelerated ion implanting;
   d. Baggage screening; and
   e. Others determined and publicly notified by the Nuclear Safety and Security Commission.

2. Capacity:
   Self-shielded radiation generating devices, of which the maximum voltage of the accelerating tube is not more than 170 kilovolts and the surface radiation dose rate is not more than 10 microsieverts per hour.

**Article 67** (Notification on the Use of Radioisotopes, etc.)

(1) A notification on the use or mobile use as provided in Article 81 of the Decree shall be respectively made with the attached Form 60 or attached Form 61.
(2) Each of the following documents shall be attached to such notification as provided in the foregoing Paragraph (1):
   1. Statement on radioisotopes, etc. containing each of the following:
      a. Type and quantity of radioisotopes (type of radiation and maximum energy in the case of radiation generating devices);
      b. Surface radiation dose rate;
      c. Purpose and method of use; and
      d. Name, model number and serial number of equipment and name of its manufacturing company.
   2. Planned measures regarding radioisotopes of which use has been ended (in the case of a notification on the use of radioisotopes only)
   3. Explanatory statement on the status of use facilities, etc. and surrounding environment thereof
   4. Documents evidencing the fact that any person, who has obtained a licence as set forth in Subparagraphs 5 and 7 of Article 84 (2) of the Act, or a professional engineer of radiation control under the National Technical Qualifications Act remains employed, if any, or documents evidencing the fact that a business agent for radiation safety control as provided in Article 54 (1) 5 of the Act is in service, if any.
   5. Compensation standards as prescribed in Subparagraph 1, Article 152 of the Decree

(3) When receiving a notification on use or mobile use of radioisotope, etc. in accordance with Article 81 of the Decree, the Nuclear Safety and Security Commission shall check the business registration certificate through the administrative information sharing system under Article 38 (1) of the Act on
Electronic Government. If the notifier refuses to give consent to such check, the Nuclear Safety and Security Commission shall cause the reporter to attach a copy of the business registration certificate.

(4) If the Commission acknowledges, in his reasonable discretion, that a notification received in accordance with the foregoing Paragraph (1) is appropriate, he shall respectively issue to the notifier a certificate of notification on the attached Form 62 or on the attached Form 63.

Article 68 (Report on the Change of the Use of Radioisotopes, etc.)

(1) A report on change of the use or mobile use as provided in Article 82 of the Decree shall be respectively made with the attached Form 64 or attached Form 65.

(2) The following documents shall be attached to the declaration form under paragraph 1:
   1. Documents evidencing the changes
   2. A certificate of declaration

Article 68–2 (Reporting of appointment, etc., of Radiation Safety Officers)

(1) Attached Form No. 65–2 shall be used for reporting the appointment, change, or dismissal of the radiation safety officer pursuant to Article 82–2 (3).

(2) The following documents shall be attached to the reporting under Paragraph (1):
   1. Document evidencing the employment of the radiation safety officer (a copy of the business agent service contract in case business agent is to substitute the radiation safety officer) – 1 copy
   2. License in case of a permitted user (including documents certifying completion of refresher education) or copy of qualification certificate of professional engineer of radiation safety (including qualification registration certificate thereof) – 1 copy
   3. 1 copy of Documents evidencing the background of having performed jobs of handling radioactive isotopes and 1 copy of documents evidencing completion of education for radiation safety officer under Article 138 (2) of the Act in case of a person who has notified in accordance with the first part of Article 53 (2) of the Act (hereinafter “notified user”)
   4. Information concerning the division of work for the radiation safety officer (limited to cases wherein two or more persons are involved)
   5. Documents evidencing the facts if any reported information is to be changed – 1 copy
Article 68–3 (Qualification Requirements for Radiation Safety Officers)

(1) The specific qualification requirements for the radiation safety officer under Article 82–3 (3) of the Decree shall be as follows:
1. When appointed by a permitted user, one who meets the following requirements among those falling under Attached Table 1–2:
   a. When possessing a license: One who has obtained a license within the last three years of the date of appointment or who has taken the refresher education under Article 106 (2) of the Act
   b. When possessing professional engineer for radiation safety: One who has been registered as an engineer or whose engineer registration has been renewed pursuant to Article 5–7 (1) of the Professional Engineers Act
2. When appointed by a notified user, one who falls under any of the following: One who has taken the general area education for radiation safety officer under Article 138 (2) within the last three years of the date of appointment among those who have performed duties handling radioactive isotopes, etc.
(2) When there are two or more radiation safety officers, their duties for radiation safety officer shall be clearly divided.

Article 68–4 (Designation of Substitute for Radiation Safety Officer and Qualification Criteria, etc.)

(1) The designation form for a substitute of a safety management officer referred to in Article 82–4 (1) of the Decree shall be in accordance with the Form No. 65–3.
(2) The detailed qualification criteria for a substitute of a safety management officer referred to in Article 82–4 (4) are shown in attached Table 1 subparagraph 3.

Article 69 (Application for Registration of a Business Agent, etc.)

(1) Any person, who applies for a registration to vicariously perform any business as set forth in Article 54 (1) of the Act, shall submit to the Commission an application for registration as a business agent on the attached Form 66 for each place of business.
(2) “Other services related to radiation safety management and the prevention of hazards as provided under the Prime Minister’s Decree” under Article 54 paragraph 1 subparagraph 1 of the Act shall refer to the following services:
1. Services related to the inspection of leakages of radiation sources
2. Design of use facilities, etc.
3. Services related to the preparation of internal inspection reports
(3) The outsourced service regulations under Article 54 paragraph 3 of the Act shall indicate the following information pursuant to the guidelines determined and published by the Commission:
1. Radiation safety management system
2. Procedure for out-sourced services to be performed
3. Safety management procedure
4. Radiation emergency response procedure
(4) The "other documents as prescribed by the Ordinance of the Prime minister" provided in Article 54 (3) of the Act mean any of the following documents:
1. Documents evidencing the fact that the equipment and manpower as provided in Article 84 of the Decree remain secured;
2. Compensation standards as prescribed in Subparagraph 1 of Article 152 of the Decree; and
3. Documents certifying the career status of personnel who have the technical competence related to the agency business.
(5) The career status of the personnel as provided in Subparagraph 3 of the foregoing Paragraph (4) shall be assessed according to the following:
1. The period of work experience shall be calculated on a monthly basis, with a period of not less than fifteen (15) days regarded as one (1) month; and
2. The base date for such calculation shall be the date of application for registration of an agency business.
(6) When receiving an application for registration in accordance with Article 54 (3) of the Act, the Nuclear Safety and Security Commission shall check the applicant's business registration certificate through the administrative information sharing system under Article 36 (1) of the Act on Electronic Government. If the applicant refuses to give consent to such check, the Nuclear Safety and Security Commission shall cause the applicant to attach a copy of the business registration certificate.
(7) Upon receipt of the request for registration under Article 54 paragraph 3 of the Act, the Commission shall issue to the applicant a registration certificate using Attached Form No. 67 provided that the application satisfies the criteria for registration.

Article 70 (Report of Change in Registered Matters)

(1) If any person, who has made a registration as prescribed in Article 54 (1) of the Act (hereinafter referred to as "business agent"), intends to change, according to Article 54 (2) of the Act, any matter that has been
registered, he shall submit to the Commission a report on the change in registration as a business agent on the attached Form 68 within thirty (30) days from the date when a reason for such change arose.

(2) The following documents shall be attached to the declaration form under paragraph 1:
1. Documents concerning a change or modification
2. A certificate of registration

Article 71 (Vicarious Performance of a Radiation Safety Officer’s Duties)

(1) A permitted user (limited to the case of user or seller of radioisotopes, etc.; The same shall be applied in this Article) may substitute radiation safety officer with the personnel of business agent only in one of the following cases:
1. When sealed radioisotopes are used for the purpose of a diagnosis.
2. When radioisotopes, etc. that fall under any of the following are used (excluding those cases where they are used for the human body):
   a. Sealed radioisotopes that are not contained or loaded in any equipment, of which annual usage quantity is less than 1.85 terabecquerels;
   b. Sealed radioisotopes that are contained or loaded in any equipment, of which annual usage quantity is less than 3.7 terabecquerels; and
   c. Not more than one radiation generating device with the maximum voltage of 250 kilovolts and maximum current of 5 milliamperes or below.
3. When radiation generating devices are sold.
(2) The business agent may designate a personnel thereof to serve as an agent for a maximum of fifteen (15) permitted users of radioisotopes, etc. provided in Paragraph (1) above.
(3) The business agent may provide radiation safety officer service for 30 or less notified users.
(4) Between dedicated personnels of the business agent under Paragraph (2) or (3), the service thereunder shall be clearly divided.

Article 72 (Technical Capability of Business Agent)

“To secure the technical capability necessary to perform the agency business as prescribed by the Ordinance of the Prime minister” in Article 55 (2) 1 of the Act means that all of the following requirements are met:
1. To establish and operate a radiation safety control system; and
2. To formulate procedures by type of agency business registered in accordance with Article 54 of the Act.
Article 73 (Scope, etc. of Agency Business)

“The scope of outsourced services and the relevant regulations satisfy the standards provided under the Prime Minister’s Decree” under Article 55 paragraph 2 subparagraph 3 of the Act shall mean that all of the following standards have been satisfied:
1. The outsourced services for radiation safety management shall be performed at an office located in each region determined and published by the Commission.
2. The outsourced service regulations shall be prepared to satisfy the guidelines determined and published by the Commission pursuant to Article 69 paragraph 3.

Article 74 (Device Subject to Documentary Deliberation Regarding Facility Inspection)

In Article 85 (2) 2 of the Decree, the phrase “devices prescribed by the Ordinance of the Prime minister” means radiation generating devices of which maximum voltage is not more than 250 kilovolts.

Article 75 (Documentary Deliberation of Self–Check and Supervision in Lieu of Facility Inspection, etc.)

(1) A permitted user's self–check as provided in Article 85 (2) of the Decree or a business agent's supervision as provided in Article 85 (3) of the Decree shall be conducted regarding each of the following:
1. Manufacturing company, model number and serial number of radiation equipment;
2. Maximum capacity of radiation generating devices;
3. Nuclide, radioactivity, manufacturing company, model number, serial number and certificate of radioisotopes contained;
4. Location of installation and state of use facilities, etc. including radiation equipment;
5. Radiation dose rate at the external surface of radiation equipment and major points of use facilities, etc. after installation of radiation equipment;
6. Materials and dimension of use facilities, etc.;
7. Environment surrounding use facilities, etc.;
8. The status of installation of safety device in use facilities, etc. and safety control equipment in possession; and
9. Posting location and details of radioactivity labels and cautions.
(2) Anyone who intends to request a written review pursuant to Article 85
paragraph 2 or 3 of the Decree shall submit Attached Form No. 69 to the
Commission together with the outcome of the internal inspection or
supervision.

**Article 76** (Application for Inspection, etc.)

Attached Form No. 70 shall be used when applying for an inspection under
Article 87 of the Decree.

**Article 77** (Timing of Periodic Inspection)

The timing of periodic inspection as provided in Article 88 of the Decree
shall be specified in the attached Table 1.

**Article 78** (Documentary Deliberation of Self–Check in Lieu of Periodic Inspection)

(1) Self–check of permitted users as provided in Article 88 (3) of the
Decree shall be conducted regarding each of the following:
1. Status of the purchase, use, storage and disposal of radioisotopes, etc.;
2. Actual use result of radioisotopes, etc.;
3. Status of radiation workers and frequent visitors;
4. Status of radiation exposure control and health examination of radiation
workers and frequent visitors;
4–2. Status of education of radiation workers;
5. Radiation measuring status of use facilities, etc.;
6. Status of the possession of radiation survey meter and status of assay and
calibration thereof;
7. Leakage test performance and results as regards radiation equipment;
8. Status of safety control records in possession; and
9. Matters that are not in conformity with the technical standards under
Article 59 (1) of the Act, the causes thereof and relevant measures.
(2) A permitted user who wishes to apply for documentary deliberation in
accordance with Article 88 (3) of the Decree shall submit to the
Commission an application with the attached Form 73 by attaching its
self–check findings thereto.

**Article 79** (Subjects of Documentary Deliberation Regarding Periodic Inspection)

For the purpose of Article 88 (3) 1 of the Decree, a “person who installs and
operates use facilities, etc. of which periodic inspection cycle is three or five
years as prescribed by the Ordinance of the Prime minister” means a person
regarding whom the timing of periodic inspection under the attached Table 1 is
every three or five years.

**Article 80** (Application for Inspection, etc.)

(1) When applying for an inspection under Article 90 main sentence, Attached Form No. 70 shall be used in the case of a periodic inspection under Article 88 paragraph 1 of the Decree, whereas Attached Form No. 72 shall be used in the case of a periodic inspection under paragraph 2 of the same Article.

(2) Anyone who intends to have their production of radioisotope inspected pursuant to Article 91 paragraph 1 of the Decree shall submit Attached Form No. 73 to the Commission.

**Article 81** (Notice of passing)

The Commission shall notify those who have been subject to an inspection under the following as to whether they have passed the inspection or not:

1. Inspection under Article 85 paragraph 1 of the Decree
2. Written review under Article 85 paragraph 2 or 3 of the Decree
3. Inspection under Article 88 paragraph 1 or 2 of the Decree
4. Written review under Article 88 paragraph 3 of the Decree
5. Inspection under Article 91 paragraph 1 of the Decree

**Article 82** (Application for Design Approval of Radiation Equipment)

(1) An individual intending to receive a design approval for radiation equipment (hereinafter referred to as “design approval”) pursuant to the paragraph preceding Article 60 (1) of the Act shall submit to the Commission the application form provided in Form No. 74.

(2) The information listed below shall be included in the design data of radiation appliances under Article 60 paragraph 3 of the Act.

1. Design overview and explanation; and
2. Design drawings.

(3) The information listed below shall be included in the data concerning safety assessment under Article 60 paragraph 3 of the Act.

1. Overview and specifications of radiation equipment;
2. Material, structure and safety assessment of radiation equipment;
3. Installation and operation procedures of radiation equipment; and
4. Test and maintenance procedures of radiation equipment.

(4) The information under Article 4 paragraph 4 shall be indicated in the quality assurance plan under Article 60 paragraph 3 of the Act.

(5) “Documents provided under the Prime Minister’s Decree” under Article 60 paragraph 3 of the Act shall refer to a manufacturer inspection-related
certificate accredited in the manufacturing country or to a quality assurance certificate issued by the manufacturers.

(6) The certificate related to the manufacturing inspection and quality assurance referred to in paragraph (5) shall be submitted only in cases of radiation equipment imported from a foreign country.

(7) The Commission shall, in case of providing a design approval of radiation equipment pursuant to Article 60 (1) of the Act, issue the design approval certificate provided in Form No. 75 to the applicant.

(8) The detailed matters to be included in the design materials, safety assessment materials, a quality assurance plan, etc. pursuant to the provisions of paragraphs (2) to (5) and the method of preparation thereof shall be determined and publicly announced by the Commission.

**Article 83** (Approval of a change in the design of radiation appliances)

Anyone who intends to obtain approval for a change in the design of a radiation appliance pursuant to Article 60 paragraph 1 latter half of the Act shall submit Attached Form No. 76 to the Commission together with the following documents:

1. Documents concerning a change or modification
2. Design approval certificate

**Article 84** (Report of Change in Minor Matters)

(1) The “minor matters as prescribed by the Ordinance of the Prime minister” provided in the proviso of Article 60 (1) of the Act mean any of the following:
   1. Name and address of the approved person (its name, address and its representative's name in the case of a juridical person);
   2. Name and location of the place of business; and
   3. Simple change in the name of radiation equipment model without any design change thereto.

(2) Anyone who intends to declare changes or modifications pursuant to Article 60 paragraph 1 proviso shall submit Attached Form No. 4 and the documents listed below to the Commission within 30 days of the occurrence of the cause of such change or modification:
   1. Documents evidencing such change; and
   2. Design approval certificate

**Article 85** (Application for Inspection of Radiation Equipment)

(1) A person intending to receive an inspection pursuant to the main sentences of Article 61 (1) of the Act other than the subparagraphs shall submit to the Commission...
Commission the application form provided in Form No. 77 with the following documents attached thereto:
1. Statement on test/inspection facilities and equipment; and
2. Explanatory statement on test/inspection.
3. Design approval certificate;
(2) In case the results of the inspection performed pursuant to the main sentences of Article 61 (1) of the Act other than the subparagraphs meet the criteria pursuant to Article 61 (2) of the Act, the Commission shall re-issue the design approval certificate stating that the person has passed the inspection.

Article 86 (Provisions Applicable Mutatis Mutandis)

Article 15–2 and Article 38 shall apply mutatis mutandis to permitted users, persons who have reported pursuant to the paragraph preceding Article 53 (2) of the Act and business agents. In this case, “permit” shall be viewed as “permit confirmation certificate” for persons who have reported pursuant to the paragraph preceding Article 53 (2) of the Act and as “registration certificate” for business agents.

Chapter VI Management and Operation of Radioactive Wastes

Article 87 (Application for permit or license for construction or operation of radioactive material management facilities etc.)

(1) Attached Form No. 78 shall be used when applying for a permit under Article 96 of the Decree.
(2) A radiation environmental report as prescribed in Article 63 (2) of the Act shall contain such matters as set forth in each Subparagraph of Article 4 (2) hereof.
(3) A safety analysis report as prescribed in Article 63 (2) of the Act shall contain such matters as set forth in each of the following Subparagraphs as publicly notified by the Commission:
1. Facility overview and status;
2. Site characteristics;
3. Facility design and construction;
4. Facility operation and management;
5. Closure and control of site after closure;
6. Safety assessment and accident analysis;
7. Protection from radiation hazards; and
8. Technical specifications.
(4) The information listed below shall be indicated in the safety management regulations under Article 63 paragraph 2 of the Act.
1. Matters concerning the operation, and the management organs and their functions, of facilities for the storage, treatment or disposal of radioactive wastes and their annex facilities ("radioactive waste management facilities etc." hereinafter)
3. Matters concerning the safety management education of radiation workers of radioactive waste management facilities etc.
4. Matters related to the operation of safety control facilities.
5. Matters concerning the safe operation of radioactive waste management facilities etc.
6. Matters related to access control as regards a radiation control area, preservation area and exclusion area.
7. Matters related to ventilation and drainage monitoring facilities.
8. Matters related to each of the following as regards the radiation control area, preservation area and exclusion area:
   a. Radiation dose rate;
   b. Concentration of radioactive materials; and
   c. Matters related to monitoring of the level of surface contamination of the materials contaminated by radioactive materials and decontamination thereof;
10. Matters concerning assessment of the radiation expose dose of radiation workers and frequent visitors, and management of individual exposure dosimeters.
11. Matters concerning tours and inspections of radioactive waste management facilities etc., and follow-up actions.
12. Matters concerning internal inspections of radioactive waste management facilities etc.
13. Matters related to transport, storage and handling of radioactive wastes.
15. Matters related to radiation monitoring of adjoining areas, etc.
16. Matters related to measures to be taken in the event of an emergency.
17. Matters concerning the safety management records of radioactive waste management facilities etc.
18. Other matters necessary for safety control.
(5) A quality assurance program concerning construction and operation as prescribed in Article 63 (2) of the Act shall contain such matters as set forth in each Subparagraph of Article 4 (4) hereof.
(6) The “documents as prescribed by the Ordinance of the Nuclear Safety and Security Commission” provided in Article 63 (2) of the Act mean each of the following:
1. Documents concerning the construction and operation plans of radioactive waste management facilities etc;
2. Documents on the storage, processing and disposal method of radioactive wastes;
3. Documents concerning the types and quantities of radioactive wastes to be stored, treated, or disposed of at radioactive waste management facilities etc;
4. Description of technical capabilities for the construction or operation of radioactive waste management facilities etc; and
5. Documents certifying that the equipment and personnel have been secured pursuant to Article 99 (1) of the Decree.

(7) The license certification under Attached Form 79 shall be issued to the applicant when the construction or operation of radioactive waste management facilities etc. is permitted or licensed pursuant to the main text of Article 63 (1) of the Act.

Article 88 (Change of Permit)

(1) An application for change of permit as provided in Article 98 of the Decree shall be made with the attached Form 80.
(2) Each of the following documents shall be attached to such application as provided in the foregoing Paragraph (1):
1. Comparative table of the attached documents requesting a permit before and after modification
2. Construction plan and radiation hazard protection plan (only in those cases where construction is accompanied); and
3. Permit (only in those cases where any matter stated in such permit is to be changed).

Article 89 (Report of Change in Minor Matters)

(1) The “minor matters as prescribed by the Ordinance of the Prime minister” provided in the proviso of Article 63 (1) of the Act mean each of the following:
1. Name and address of the person to whom the permit was granted (its name, address and its representative's name in the case of a juridical person);
2. Name of the business place where radioactive waste management facilities etc. are installed;
3. Construction schedule of radioactive waste management facilities etc;
4. Matters set forth in Subparagraphs 1, 4 or 7 of Article 87 (3) hereof among the items of a safety analysis report as provided in said Paragraph; and
5. Matters set forth in Article 4 (4) 2 through Article 4 (4) 18 hereof among the items of a quality assurance program with respect to construction and operation as provided in Article 87 (5) hereof;
6. Matters concerning a general reorganization of an entity that is not related to the quality warranty system among the details of the safety analysis report, the safety management regulations, the quality warranty plan for construction or operation, documents concerning the construction or operation of radioactive waste management facilities etc. and descriptions of technical capabilities for the construction or operation of radioactive waste management facilities etc;
7. Matters for which the grounds for change are clear among causes of errors, omissions and other comparable issues.

(2) Anyone who intends to declare changes or modifications pursuant to Article 63 paragraph 1 proviso shall submit Attached Form No. 4 and the documents listed below to the Commission within 20 days of the occurrence of the reason for such change or modification:
1. Documents that certify changes;
2. Certificate of permit

Article 90 (Application, etc. for Pre-operational Inspection)

(1) Anyone who intends to undergo a pre-operational inspection under Article 101 of the Decree shall submit Attached Form No. 81 to the Commission together with the relevant documents indicating the outline and construction schedule of the facilities to be inspected.
(2) Applications under paragraph 1 shall be submitted no later than 30 days for each period under Article 102 of the Decree.
(3) The Commission shall notify the person, who has undergone an pre-operational inspection, as to whether such person has passed such pre-operational inspection as prescribed in Article 101 of the Decree.

Article 91 (Application, etc. for Periodic Inspection)

(1) Any person, who wishes to receive a periodic inspection as provided in Article 103 of the Decree, shall submit to the Commission an application on the attached Form 82, with the document containing each of the following attached thereto:
1. Overview of the facilities to be subject to inspection; and
2. Periodic inspection receipt plan.
   (2) Such application as provided in the foregoing Paragraph (1) shall be submitted at least thirty (30) days prior to the desired date of inspection.
   (3) The Commission shall notify the person, who has undergone a periodic inspection, as to whether such person has passed such periodic inspection as prescribed in Article 103 of the Decree.

**Article 92** (Timing of Periodic Inspection)

Such periodic inspection as prescribed in Article 103 (1) of the Decree shall be performed on an annual basis.

**Article 93** (Application for Disposal Inspection)

(1) An application as provided in Article 104 (2) of the Decree shall be made with the attached Form 83.
   (2) Such application as provided in the foregoing Paragraph (1) shall be submitted at least one (1) month prior to the commencement of disposal work.
   (3) The Commission shall notify the person, who has undergone a disposal inspection according to Article 104, as to whether such person has passed such inspection.

**Article 94** (Limitations on Disposal of Radioactive Wastes)

The “radioactive wastes of such kinds and quantity as prescribed by the Ordinance of the Prime minister” provided in Article 70 (2) of the Act mean the radioactive wastes of which annual personal dose to an individual is not less than 10 microsieverts or total personal dose to a group is not less than 1 man・sievert, with a concentration by nuclide not lower than the level as determined by the Nuclear Safety and Security Commission.

**Article 95** (Report of Self-Disposal)

(1) A self-disposal plan for radioactive wastes as prescribed in Article 107 (2) of the Decree shall be submitted with the attached Form 84.
   (2) The plan under paragraph 1 shall be attached with documents concerning the procedures or methods of internal disposal of radioactive wastes prepared pursuant to the guidelines determined and published by the Commission.

**Article 96** (Delivery of Radioactive Wastes)
(1) The standards for the delivery of radioactive wastes as prescribed in Article 70 (4) of the Act are as follows:
1. Radioactive wastes shall be classified according to the types and radioactive concentration thereof, and meet the disposal requirements of the disposal site;
2. Radioactive wastes shall be in solid form to ensure safety after disposal thereof;
3. The structural soundness of a package shall be maintained to prevent any possible damage thereto during transport and handling thereof;
4. Free water in a package shall be minimized and the leaching rate of nuclides contained in solidified radioactive wastes shall be properly limited;
5. As regards radioactive wastes, potential risks by explosive, inflammable and hazardous materials and so forth shall be eliminated; and
6. Major information on radioactive wastes shall be notably displayed on the exterior of a package.
(2) The delivery methods and procedures with respect to radioactive wastes as provided in the foregoing Paragraph (1) and other necessary matters shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 97 (Provisions Applicable Mutatis Mutandis)

Articles 13, 14, 15–2, 34 and 38 shall apply with any necessary modifications to those who have obtained a permit or license for the construction or operation of radioactive waste management facilities etc. under Article 63 (1) of the Act.

Chapter VII Packaging or Transport of Radioactive Material

Article 98 (Report of Transport)

(1) The “radioactive materials, etc., the quantity of which is prescribed by the Ordinance of the Prime Minister” provided in Article 71 (1) of the Act mean such materials, etc. that fall under any of the followings:
1. Type B(U) packages
2. Type B(M) packages
3. Type C packages
4. Fissile material packages
5. Large-sized machinery and equipment contaminated by radioactive materials that are inappropriate for packaging in a transport container.
6. Low- or medium-level radioactive wastes of 1.6 cubic meters or more

(2) A report as provided in Article 108 (1) of the Decree shall be made with the attached Form 85.

(3) Each of the following documents shall be attached to such report as provided in the foregoing Paragraph (2). Provided, that among the documents as set forth in the following Subparagraphs 3 through 6, those which were submitted at the time of the previous report of transport and regarding which one (1) year has not elapsed yet shall be excluded:

1. Statement on transport of radioactive materials;
2. Explanatory statement on radioactive materials, etc. to be transported;
3. Form of a packaging and transport checking record;
4. Containers for packaging or transporting radioactive materials, etc. (hereinafter referred to as "transport container") and design approval of special form radioactive materials;
5. Transport procedures; and

(4) The "period as prescribed by the Ordinance of the Prime minister" provided in the proviso of Article 108 (1) of the Decree means one-year period.

(5) Attached Form No. 86 shall be used to declare changes pursuant to Article 108 paragraph 3 of the Decree.

(6) Any declaration made under paragraph 5 shall be supported with documentary evidence of the changes.

**Article 99 (Report of Transport by Foreign Ships, etc.)**

(1) The “radioactive materials, etc., the quantity of which is prescribed by the Ordinance of the Prime minister” provided in Article 71 (2) of the Act mean such materials, etc. that fall under any of the following:

1. Type B(M) packages
2. Type B(U) packages which exceed quantity determined by the Commission;
3. Type C packages which exceed quantity determined by the Commission;
4. Other radioactive materials, etc. determined and publicly notified by the Commission.

(2) The "documents as provided by the Ordinance of the Prime minister" provided in Article 109 (1) of the Decree mean the documents containing each of the following:

1. Sufficient information to enable the identification of the package or
packages including all applicable numbers and identification marks;
2. Information on the date of shipment, the expected date of arrival and proposed routing;
3. The names of the radioactive materials or nuclides;
4. Descriptions of the physical and chemical forms of the radioactive material;
5. Whether it is special form radioactive material or low dispersible radioactive materials; and
6. The maximum activity of the radioactive contents during transport expressed in units of becquerels (Bq) with an appropriate SI prefix. For fissile material, the mass of fissile material in units of grams, or multiples thereof, may be used in place of activity.

**Article 100 (Emergency Response Plan)**

(1) A nuclear enterpriser under Article 71 of the Act (hereinafter referred to as “nuclear enterpriser”) or a person entrusted with the transport of radioactive materials, etc. from a nuclear enterpriser shall formulate an emergency response plan under Article 74 (1) of the Act in transporting radioactive materials, etc. as set forth in each Subparagraph of Article 98 (1).

(2) An emergency response plan as provided in the foregoing Paragraph (1) shall include any of the following:
1. Emergency response organization and the authority and duties thereof;
2. Accident reporting procedures; and
3. Measures to be taken by type of accident.

**Article 101 (Inspection of Packaging and Transport)**

(1) “Those provided under the Prime Minister’s Decree” under Article 111 paragraph 1 of the Decree shall refer to the following persons:
1. Operator of a nuclear power reactor
2. Installer of a nuclear research reactor, etc. as provided in Article 32 of the Act (hereinafter referred to as “installer of a nuclear research reactor, etc.”)
3. Nuclear fuel cycle enterpriser as provided in Article 37 (1) of the Act (hereinafter referred to as “nuclear fuel cycle enterpriser”)
4. Those who construct or operate radioactive waste management facilities etc. under Article 65 (1) of the Act (“constructors or operators of radioactive waste management facilities etc.” hereinafter) or those who are specialized in the mobile use of radioactive isotopes.
5. Producer/seller of radioisotopes

(2) The inspection cycle provided under Article 111 paragraph 1 of the Decree shall be as follows:
Enforcement Rule of the Nuclear Safety Act

1. Persons falling under paragraph 1 subparagraphs 1 through 4: Each year
2. Persons falling under paragraph 1 subparagraph 5:
   a. If annual production/sales volume of sealed radioisotopes is not less than 370 terabecquerels: Every year
   b. If annual production/sales volume of radioisotopes other than sealed radioisotopes (hereinafter referred as “unsealed radioisotopes”) is not less than 37 terabecquerels: Every year
   c. If annual production/sales volume of sealed radioisotopes is less than 370 terabecquerels: Every three years
   d. If annual production/sales volume of unsealed radioisotopes is less than 37 terabecquerels: Every three years

(3) “Radioactive materials, etc. as prescribed by the Ordinance of the Prime minister” in Article 111 (2) of the Decree shall mean each of the following radioactive materials, etc.:

1. In case of packaging or transport by a person who must undergo periodic packaging or transport inspections in accordance with the foregoing Paragraph (1):
   a. Spent nuclear fuels;
   b. Radioactive materials, etc. of which special transport is approved in accordance with regulations set by the Commission;
   c. Radioactive materials, etc. to be transported of which radioactivity exceeds a 30-fold of the relevant A1 or A2 values as in accordance with regulations set by the Commission; and
   d. Low- or medium-level radioactive wastes of 1.6 cubic meters or more.

2. In case of packaging or transport by a person other than the person provided in the foregoing Subparagraph 1:
   a. Transported materials that fall under Article 98 (1) 1 or Article 98 (1) 2; and
   b. Radioactive materials, etc. that fall under Item (b) of the foregoing Subparagraph 1.

(4) An application for a packaging/transport inspection as provided in Article 111 (4) of the Decree shall be made with the attached Form 87.
(5) The Commission shall notify those who underwent packaging or transport inspections under Article 111 (1) or Article 111 (2) of the Decree of whether they have passed.

Article 102 (Subjects of Documentary Deliberation Regarding Packaging and Transport Inspections)

In Article 111 (5) 1 of the Decree, “the standard volume as prescribed by the Ordinance of the Prime minister” means any of the following:
1. Annual production/sales volume of sealed radioisotopes: 370 terabecquerels; and

**Article 103** (Documentary Deliberation, etc. Regarding Packaging and Transport)

(1) “Targets of inspection provided under the Prime Minister’s Decree” in the main sentence of Article 111 paragraph 5 of the Decree shall refer to the following:

1. Packaging, transport and check performance regarding radioactive materials, etc.;
2. Status of workers involved in packaging and transport of radioactive materials, etc.;
3. Status of exposure control and training for workers involved in packaging and transport of radioactive materials;
4. Status of transport containers in possession and the management thereof;
5. Status of transport vehicles in possession and the management thereof;
6. Status of radiation measuring equipment in possession and status of assay and calibration thereof;
7. Status of safety control records in possession; and
8. Matters that are not in conformity with the technical standards for packaging or transport under Article 72 of the Act, the causes thereof and relevant measures.

(2) A nuclear enterpriser who wishes to apply for documentary deliberation in accordance with Article 111 (5) of the Decree shall submit to the Commission an application with the attached Form 88 by attaching its self-check findings thereto.

(3) The Commission shall notify those who underwent documentary deliberation under Article 111 (5) of the Decree of whether they have passed.

**Article 104** (Subjects of Design Approval regarding Transport Container)

The “containers for packaging or transport of radioactive materials, etc. of which the quantity is prescribed by the Ordinance of the Prime minister” provided in the former part of Article 76 (1) of the Act mean a transport container that falls under any of the following:

1. Type B(U) transport containers
2. Type B(M) transport containers
3. Type C transport containers
4. Fissile material transport containers
Article 105 (Application for Design Approval)

(1) The application form under Article 76 para 2 of the Act shall be Attached Form No. 89.
(2) The production quality assurance plan under Article 76 para 2 of the Act may be submitted for an application for a production inspection pursuant to Article 108.
(3) Such safety analysis report as provided in Article 76 para 2 shall contain each of the following:
   1. Overview and specifications of the transport container;
   2. Assessment results of the material, structure, heat, containment, shielding and nuclear criticality of the transport container;
   3. Manipulation and operation procedures of the transport container; and
   4. Test and maintenance procedures of the transport container.
(4) “Documents provided under the Prime Minister’s Decree” under Article 76 paragraph 2 of the Act shall refer to the performance test plan.
(5) The Commission shall determine and publish the guidelines for preparing documents to be attached pursuant to Article 76 paragraph 2 of the Act and other necessary matters.
(6) In the case of transport containers whose design has been approved overseas, the design approval document of the country of origin may be submitted together with the application for approval instead of the documents to be attached pursuant to Article 76 paragraph 2 of the Act.
(7) Any person, who wishes to obtain approval of an changed design in accordance with the latter part of Article 76 (1) of the Act, shall submit an application on the attached Form 90 with documents related to change attached thereto.

Article 106 (Issuance of a Design Approval)

(1) Design approval as provided in Article 112 (3) of the Decree shall be made with the attached Form 91.
(2) Matters necessary for the issuance of such approval as provided in the foregoing Paragraph (1) and so forth shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 107 (Report of Change in Minor Matters)

(1) The “minor matters as prescribed by the Ordinance of the Prime minister” provided in the proviso of Article 76 (1) of the Act mean any of the following:
1. Name and address of the approved person (its name, address and its representative's name in the case of a juridical person); and
2. Name and location of the place of business.
(2) Anyone who intends to declare changes or modifications pursuant to Article 76 paragraph 1 proviso shall submit Attached Form No. 4 and the documents listed below to the Commission within 30 days of the cause:
1. Documents evidencing such change; and
2. A certificate of design approval.

Article 108 (Inspection of the Manufacture of Transport Containers)

(1) Any person, who wishes to receive an inspection of the manufacture of transport containers as provided in Article 113 (1) of the Decree, shall submit to the Nuclear Safety and Security Commission an application for inspection of the manufacture of transport containers on the attached Form 92 with each of the following documents attached thereto:
1. Quality assurance program (only in those cases where such program is submitted pursuant to Article 105 (2) hereof);
2. Explanatory statement on manufacturing methods;
3. Statement on manufacturing equipment;
4. Explanatory statement on test/inspection methods; and
5. Statement on test/inspection facilities or inspection equipment.
(2) The Nuclear Safety and Security Commission shall notify the person, who has received an inspection of the manufacture, as to whether he has passed such inspection as provided in Article 113 of the Decree.
(3) The standards as regards an inspection of the manufacture of transport containers as provided in Article 113 (4) of the Decree shall be as follows:
1. Consistency with the details of the design, materials and structure at the time of obtaining a design approval as provided in Article 112 (1) of the Decree; and
2. Conformity to the standards as determined and publicly notified by the Nuclear Safety and Security Commission in respect of the items, methods and so forth of inspection by type of transport containers.

Article 109 (Inspection of the Use of Transport Containers)

(1) Any person, who wishes to receive an inspection of the use of transport containers as provided in Article 113 (2) of the Decree, shall submit to the Nuclear Safety and Security Commission an application for inspection of the use of transport containers on the attached Form 93 with each of the following documents attached thereto:
1. Statement on any repair of transport containers (only when repaired):
and
2. Transport container self-check report and inspection procedures (only in those cases where the person wishes to receive a documentary deliberation as provided in Article 113 (3) of the Decree).

(2) The Nuclear Safety and Security Commission shall notify the person, who has received an inspection of use, as to whether he has passed such inspection as provided in Article 113 (2) of the Decree.

(3) The standards as regards an inspection of the use of transport containers as provided in Article 113 (4) of the Decree shall be as follows:
1. Maintenance of the performance at the time of passing the inspection of manufacture; and
2. Conformity to the standards as determined and publicly notified by the Nuclear Safety and Security Commission in respect of the items, methods and so forth of inspection by type of transport containers.

(4) Documents evidencing conformity to the inspection standards as set forth in each Subparagraph of the foregoing Paragraph (3) shall be attached to such self-check report as provided in Subparagraph 2 of the foregoing Paragraph (1).

(5) The standards for the documentary deliberation of a self-check report as provided in Article 113 (4) of the Decree shall be as follows:
1. Conformity to the standards as set forth in each Subparagraph of the foregoing Paragraph (3); and
2. Appropriate inspection procedures by each item of inspection as provided in Subparagraph 2 of the foregoing Paragraph (3).

Article 110 (Application for Exemption from Inspection)

(1) “Documents concerning the design approval or production inspection certificate provided under the Prime Minister’s Decree” under Article 114 paragraph 1 subparagraph 1 of the Decree shall be the document of the relevant country which the validity of the production inspection certificate that is to replace the design approval document of the relevant country or the documents specified under Article 108 paragraph 1.

(2) “Documents concerning the use inspection certificate provided under the Prime Minister’s Decree” under Article 114 paragraph 1 subparagraph 2 of the Decree shall mean the document of the relevant country that proves use inspection passing that is to replace the documents specified under Article 109 paragraph 1.

(3) Anyone who intends to be exempted from an inspection of the production or use of transport containers pursuant to Article 114 of the Decree shall submit Attached Form No. 94 to the Commission together with the documents specified under paragraph 1 or 2.
(4) As regards the standards of a document review as provided in each Subparagraph of Article 114 (1) of the Decree, necessary matters shall be determined and publicly notified by the Nuclear Safety and Security Commission.

(5) The Nuclear Safety and Security Commission shall notify the applicant, who has applied for exemption from a transport container inspection, as to whether such container will be exempted from such inspection in accordance with Paragraph (3) of the Decree.

Chapter VIII Reading of Radiation Exposure Dose

Article 111 (Application for Registration as a Dosimeter Reading Service Provider)
(1) Any person, who intends to register to perform affairs related to reading of personal dose as provided in Article 78 (1) of the Act, shall submit to the Nuclear Safety and Security Commission an application on the attached Form 101 for each place of business.

(2) The quality assurance plan under Article 78 paragraph 3 of the Act shall indicate the information listed below pursuant to the guidelines determined and published by the Commission:
1. Quality assurance plan
2. Reading and handling manager
3. Facility or equipment
4. Reading methods or procedure
(3) The “other documents as prescribed by the Ordinance of the Prime minister” provided in Article 78 (3) of the Act mean each of the following documents:
1. Documents evidencing the technical capabilities according to Article 126 hereof in respect to the procurement of the equipment and manpower necessary for the reading of personal dose;
2. Documents evidencing the performance of equipment and a performance test program; and
3. List of reading facilities
(4) When receiving an application for registration in accordance with Article 78 (3), the Nuclear Safety and Security Commission shall check the applicant’s business registration certificate through the administrative information sharing system under Article 36 (1) of the Act on Electronic Government. If the applicant refuses to give consent to such check, the Nuclear Safety and Security Commission shall cause the applicant to attach a copy of the business registration certificate.
(5) In regard to any person who has registered as a dosimeter reading
service provider as provided in Article 78 (1) of the Act (hereinafter referred to as “dosimeter reading service provider”), the Nuclear Safety and Security Commission shall issue to the applicant a certificate in accordance with the attached Form 96.

Article 112 (Report of Change)

Any person, who intends to file a report of change as provided in Article 78 (2) of the Act, shall submit to the Nuclear Safety and Security Commission a report on changed registration of a dosimeter reading service provider on the attached Form 97 within thirty (30) days from the date when the reason for such report arose by attaching each of the following documents thereto:  
1. Documents related to such change; and  
2. Certificate of registration.

Article 113 (Registration criteria)

(1) “Technical capabilities required for the installation or operation of the reading facilities provided under the Prime Minister’s Decree” under Article 79 subparagraph of the Act shall refer to the capabilities listed below:  
1. Conformity to the technical personnel, facility and handling standards as specified on the attached Table 2:  
2. Ability of reading facilities and equipment to maintain traceability under Subparagraph 17, Article 3 of the Framework Act on National Standards;  
3. Ability to assess the impact of radiation dose that naturally increases or decreases while carrying a personal dosimeter;  
4. Ability to read personal dose by classifying such quantity into deep doses and shallow doses as determined by the Nuclear Safety and Security Commission;  
5. Ability to maintain the minimum measurement level of a reading system at not more than 0.1 millisivert; and  
6. Ability to maintain security of records on personal dose.  
(2) “The contents of the quality assurance plan under Article 78 paragraph 3 shall satisfy the criteria provided under the Prime Minister’s Decree” under Article 79 subparagraph 2 of the Act shall mean that the quality assurance plan has been prepared to satisfy the guidelines determined and published by the Commission pursuant to Article 111 paragraph 2.

Article 114 (Application for inspection)

(1) The categories of a reading performance inspection as provided in Article 115 (1) of the Decree and the standards for passing such inspection shall be
specified in the attached Table 3. In this case, a performance inspection shall be implemented for each category of such performance inspection as specified in the attached Table 3.

(2) The application for inspection under Article 115 paragraph 3 of the Decree shall be Attached Form No. 98 in the case of an inspection to be conducted prior to the commencement of the reading service or Attached Form No. 99 in the case of a regular inspection.

(3) The “documents as prescribed by the Ordinance of the Prime minister” provided in Article 115 (3) of the Decree that shall be attached to such application as provided in the foregoing Paragraph (1) shall be as follows.

1. Application for inspection before commencement of the reading service: The documents listed below: however, documents previously submitted for the registration of reading service operators may be skipped.
   a. List and overview of reading facilities, etc.;
   b. Drawings of reading facilities, etc. (including a detailed cross section);
   c. Data on equipment in possession and the performance thereof; and
   d. Data on manpower.

2. Application for regular inspection: The documents listed below.
   a. Overview of the facilities to be inspected; and
   b. Inspection plan.

(3) The Commission shall notify any person, who has passed an inspection as provided in Article 115 (5) of the Decree, of such fact.

**Article 115 (Provisions Applicable Mutatis Mutandis)**

Article 15–2 and Article 38 shall apply mutatis mutandis to dosimeter reading service providers. In this case, “permit” shall be viewed as “registration certificate.”

**Chapter IX  Licensing and Education of Atomic Energy Related Workers**

**Article 116 (Application for License Examination)**

(1) An application for nuclear–related license examinations as provided in Article 124 of the Decree shall be made with the attached Form 100.

(2) “The documents provided under the Prime Minister’s Decree” under Article 124 of the Decree shall mean the documents listed below:

1. One photograph (a bust shot of 3 centimeters by 4 centimeters in size
taken within the past three months with the head exposed)
2. evidentiary documents necessary for any exemption from examination
   (only in those cases where a part of such license examination is to be
   exempted according to Article 121 of the Decree)
(3) Any person, who has passed a written examination for the licenses set
forth in Subparagraphs 1 and 2 of Article 84 (2) of the Act among the
license examinations as provided in Article 87 of the Act, shall submit to
the Nuclear Safety and Security Commission a medical checkup report or a
physical examination report including results of a chest X-ray photograph
within twenty (20) days from the date of announcement that the applicant
has passed such license examination.
(4) Such report of a medical checkup or physical examination as provided
in the foregoing Paragraph (3) shall be limited to those issued by a general
hospital, and additional items of medical checkup shall be included if
deemed necessary by the Nuclear Safety and Security Commission, in his
reasonable discretion, to ensure the safety of a nuclear reactor.

**Article 117 (Cancellation of License, etc.)**

The standards for cancellation or suspension of a license as provided in
Article 86 (2) of the Act shall be specified in the attached Table 4.

**Article 118 (Application, etc. for Issuance of License)**

(1) Any person, who has passed a license examination as provided in Article
87 (1) of the Act, shall submit to the Nuclear Safety and Security Commission
documents evidencing his qualifications therefor as provided in Article 118 of
the Decree (excluding the documents submitted according to Article 116 (2)
hereof for partial exemption of a license examination) within twenty (20) days
from the date of announcement that the applicant has passed such license
examination.
(2) Any person, who has been acknowledged as meeting the qualifications to
apply for a license examination according to the results of the deliberation
thereof as provided in the foregoing Paragraph (1), shall submit an
application for the issuance of a nuclear-related license on the attached Form
101 by attaching his photograph (a bust shot of 2.5 centimeters by 3
centimeters in size taken within the past three months with the head
exposed) thereto within sixty (60) days from the date of announcement that
he has passed such license examination.
(3) The head of the institution entrusted to conduct a license examination
as provided in Subparagraph 5 of the attached Table 7 of the Decree may
request the authorities concerned to confirm the identification of any person
who has passed a license examination in order to check whether he falls
under any of the reasons for disqualification as prescribed in Article 85 of
the Act, when necessary.

(4) Upon receipt of such application for the issuance of a license as provided in the foregoing Paragraph (2), the Nuclear Safety and Security Commission shall issue a license pocketbook on the attached Form 102 to those who have passed a license examination set forth in Subparagraphs 1 and 2 of Article 84 (2) of the Act and a license pocketbook on the attached Form 103 to those who have passed a license examination set out in Subparagraphs 3 through 7 of Article 84 (2) of the Act, respectively.

Article 119 (Application for Re-issuance of a License)

(1) An application for re-issuance of nuclear-related licenses, etc. as provided in Article 126 of the Decree shall be made with the attached Form 104.

(2) The documents listed below shall be attached to the application form under paragraph 1:
   1. A license (in cases where the license is lost, written cause thereof provided)
   2. One photograph (a bust shot of 2.5 centimeters by 3 centimeters in size taken within the past three months with the head exposed), and
   3. Documents confirming matters of any change (in the case of an application for correction only)

Chapter X Regulation or Supervision

Article 120 (Place and Subject of Measurement)

(1) “Places that are feared to be exposed to radiation hazard to be provided by the Ordinance of the Prime Minister” under Article 131 (1) of the Decree shall refer to the following places:
   1. In the case of radiation dose:
      a. Use, distribution, storage and disposal facilities;
      b. Sealed radioisotopes in fixed radiation shielding facilities or radiation generating devices;
      c. Storage, processing and disposal facilities regarding radioactive wastes;
      d. Radiation control area; and
      e. Places from where radioactive materials were abnormally leaked.
   2. In case of contamination by radioactive materials, etc.:
      a. Concentration of radioactive materials in the air and the surface of a contaminated or feared to be contaminated object in a radiation control
area:
b. Surface of an object carried out from a radiation control area;
c. Ventilation outlets or drainage passages; and
d. Places from where radioactive materials were abnormally leaked.

(2) The subjects of measurement as regards personal dose and contamination by radioactive materials as provided in Article 131 (2) of the Decree shall be as follows:
1. In the case of personal dose:
   a. Radiation workers;
   b. Persons with frequent access; and
   c. Persons with temporary access to radiation control facilities who are feared to be exposed to radiation in excess of the dose limit.
2. In the case of contamination by radioactive materials, etc.:
   a. Surface of the hands, feet, working garments, protective gear and other parts of radiation workers, that are feared to have been contaminated; and
   b. Surface of the hands, feet, working garments, protective gear and other parts of persons with frequent access, that are feared to have been contaminated.

(3) The methods of measurement for place and subject as provided in the foregoing Paragraphs (1) and (2) shall be as follows:
1. Radiation dose and contamination level shall be measured at a place most appropriate for radiation measuring; and
2. Exposure to the inside of a human body by radiation shall be calculated by measuring the concentration and quantity of radioactive materials in the air or beverage or by conducting as precise an inspection as necessary.

Article 121 (Medical Examination)

(1) In the case of a medical examination performed as provided in Article 132 (1) of the Decree, each of the following shall be checked: <Amended on 16 August 2013>
1. Job or exposure history
2. Disease history related to the handling of radiation
3. Clinical inspection or diagnosis
   a. Clinical inspection: Count of leukocytes, thrombocytes, and hemoglobin in peripheral blood
   b. Diagnosis: Symptoms in the eyes, skin, nervous or hematosis systems
4. Peripheral blood smear examination and slit lamp microscope examination (limited to cases where an individual’s health status is hard to assess by examination under subparagraphs 1 through 3 or where disease is
suspected)

(2) The timing of a medical examination as provided in Article 132 (1) of the Decree shall be as follows: <Amended on 16 August 2013>
1. Before radiation workers or frequent visitors engage in the relevant duties for the first time;
2. Every year in the case of radiation workers or frequent visitors who are engaged in the relevant duties. However, the annual inspection as provided under paragraph 1 item 1 or 2 may be skipped if the exposure dose in the 12 months since the health examination in the preceding year does not exceed the dose limit provided under item 3 of Attached Table 1; and
3. When the dose limit of radiation workers or frequent visitors under Attached Table 1 is exceeded

(3) Notwithstanding paragraph (2), in case of a person has received a medical examination prior to job placement for the harmful factors of radiation pursuant to the main sentences of Article 99 (4) other than the subparagraphs of the Enforcement Decree of the Occupational Safety and Health Act, it shall be deemed that he/she has received a medical examination carried out in the time period defined in paragraph (2) 1, and in case a person has received a special medical examination prior for the harmful factors of radiation pursuant to the main sentences of Article 99 (2) other than the subparagraphs of the Enforcement Decree of the Act, shall be deemed that he/she has received a medical examination carried out in the time period defined in paragraph (2) 2.

Article 122 (Assessment and Control of Personal Dose)

Pursuant to Article 133 (1) of the Decree, a nuclear enterpriser shall assess and control personal dose with regard to radiation workers and persons with frequent access in accordance with each of the followings:
1. When radiation workers enter radiation control zones, they shall carry a personal dosimeter as determined and announced by the Commission;
2. When frequent visitors enter radiation control zones, they shall carry a personal dosimeter as determined and announced by the Commission;
3. Personal dosimeters that require reading among those under item 1 or 2 shall be replaced and read in each period as determined and announced by the Commission;
4. Reading of the personal dosimeter as provided in the foregoing Subparagraph 3 shall be performed by a dosimeter reading service provider; and
5. When there arises a person with abnormal dosimeter reading results as provided in Subparagraph 15 of Article 2 of the Decree among radiation
workers or persons with frequent access, necessary measures shall be taken as determined and publicly notified by the Nuclear Safety and Security Commission.

**Article 122-2** (Periodic renewal of disassembly plans)

The disassembly plans under Article 92-2 of the Act shall be renewed every 10 years from the day they are approved.

**Article 123** (Period of Transfer/Acquisition of Radioactive Materials, etc. or Radiation Generating Devices)

(1) Transfer and acquisition of radioactive materials, etc. or radiation generating devices as provided in Subparagraphs 2 and 3 of Article 94 of the Act shall be implemented within thirty (30) days from the date the reason for such transfer and acquisition arose.

(2) In those cases where radioactive materials, etc. or radiation generating devices are transferred/acquired as provided in Subparagraphs 1 through 3 of Article 94 of the Act, a transfer/acquisition report on the attached Form 105 shall be submitted to the Nuclear Safety and Security Commission without delay.

(3) Each of the following documents shall be attached to such report as provided in the foregoing Paragraph (2):

1. A copy of related evidentiary documents including the design approval; and
2. A copy of radioisotope leakage checking records.

**Article 124** (Possession of Radioactive Materials, etc. or Radiation Generating Devices)

Possession of radioactive materials, etc. or radiation generating devices as provided in Subparagraphs 2 and 3 of Article 94 of the Act shall be respectively limited to thirty (30) days from the date when the reason therefor arose.

**Article 125** (Measures regarding Cancellation of a Permit, etc. or Discontinuance of Business, etc.)

The “records as prescribed by the Ordinance of the Prime minister” provided in Article 137 (1) 4 of the Decree mean any of the following records:

1. Records on measurement of contamination by radioactive material, etc.; and
2. Health examination records of radiation workers and frequent visitors.

Article 126 (Report on Cancellation of a Permit, etc.)

(1) A report on the cancellation of a permit, etc./discontinuance of business (use) as provided in Article 137 (2) of the Decree shall be made with the attached Form 106.
(2) Each of the following documents shall be attached to such report as provided in the foregoing Paragraph (1):
1. Measures taken in relation to radiation generating devices or radioactive materials, etc.;
2. Documents concerning the delivery of the health examination records of radiation workers and frequent visitors; and
3. A certificate of permit or a certificate of report/notification (in those cases where such certificate is lost, written cause thereof to be provided).

Article 127 (Report)

Matters regarding periodic reports related to radiation safety that a nuclear enterpriser, dosimeter reading service provider or an enterpriser involved in construction or operation of nuclear reactors and related facilities should file to the Nuclear Safety and Security Commission as provided in Article 98 (1) of the Act and the deadlines for such reports shall be specified in the attached Table 5.

Article 128 (Vicarious Reports)

(1) A nuclear enterpriser may cause a dosimeter reading service provider, who has registered with the Nuclear Safety and Security Commission, to vicariously file reports of individual personal dose, etc. sustained upon radiation workers as provided in Subparagraph 6 of the attached Table 5.
(2) When the exposure dose is reported by another pursuant to paragraph 1, nuclear power–related business operators shall submit a document certifying the report to be entrusted to the Korea Nuclear Safety Foundation.

Article 129 (Collection Certificates)

Inspection sample collection certificates as provided in Article 140 of the Decree shall be made with the attached Form 107.

Article 130 (Identification Cards of Inspectors)
Identification cards of inspector as provided in Article 142 of the Decree shall be made with the attached Form 108.

Article 131 (Application, etc. for Approval of Topical Report)

(1) “Specific technology reports provided under the Prime Minister’s Decree” under Article 100 paragraph 1 of the Decree shall refer to reports containing the information listed below:
1. Methodologies and computing codes related to technical information concerning the selection of a site for a nuclear reactor facility, design, manufacture, construction, pre-service test, trial operation, operation and disassembly
2. Information concerning safety that can be applied repeatedly for an identical purpose
3. Information that provides the basis for preparing documents to be attached to the application for a permit related to a nuclear reactor facility
(2) Anyone who intends to obtain approval of a specific technology report pursuant to Article 100 paragraph 1 of the Act shall submit Attached Form No. 109 to the Commission together with the specific technology report.
(3) The details and the order of contents of a topical report as provided in Article 100 (1) of the Act shall be as follows:
1. Abstract stating the overview and conclusion;
2. Introduction stating the purpose, scope of application and limitations;
3. Main text stating an explanation of the subject matter;
4. List of the reference cited; and
5. List of data in connection with test results, description of computer codes, and detailed analysis and the derivation procedures thereof.

Article 132 (Preparation, etc. of a Draft Radiation Environmental Report.)

(1) A draft radiation environmental report as provided in Article 103 (3) of the Act (hereinafter referred to as the “draft report”) shall contain each of the following:
1. Business overview;
2. Environmental status of the facilities and the adjoining area of site for the assessment of the radiological impact on the environment;
3. Forecast of a radiological impact on the surrounding environment due to the construction and operation of the facilities;
4. Radiation monitoring program to be executed during construction and operation of the facilities; and
5. Radiological impact on the environment of an accident during operation.
(2) Necessary matters as regards items of a draft report, its preparation
method and so forth other than those set forth in the foregoing Paragraph (1), shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 132-2 (Preparation of draft disassembly plans)

The draft disassembly plans under Article 103 (3) of the Act shall indicate the provisions under the items of Article 4 (5).

Article 133 (Submission of Draft of Assessment Report of Radiation Impact on Environment or Draft Disassembly Plan)

(1) The number of copies of the Draft of the Assessment Report or the Draft Disassembly Plan that need to be submitted to the heads of government agencies under the items of Article 143 (1) of the Decree:
1. Those falling under Article 143 paragraph 1 subparagraph 1 of the Decree: 5 copies
2. Those falling under Article 143 paragraph 1 subparagraph 2 of the Decree ("Responsible county or district office head" hereinafter): 20 copies
3. Those falling under Article 143 paragraph 1 subparagraph 3 of the Decree: 10 copies
4. Those falling under Article 143 paragraph 1 subparagraph 4 of the Decree: 3 copies
(2) When the business operator has submitted a draft assessment report or a disassembly plan as provided under Article 143 (1) of the Decree, he/she shall inform the responsible mayor, county or district head of the lists of the agencies to which they have been submitted.

Article 134 (Maintenance of register of readers of draft assessment report)

The responsible mayor, county or district head shall maintain the Review Register using Attached Form 110 or 110-2 or the Form to submit his or her opinion using Attached Form 111 when the draft assessment report or disassembly plan is offered for public review pursuant to Article 143 (2) of the Decree.

Article 135 (Application for a statement, etc.)

(1) An application for a statement as provided in the former part of Article 145 (3) of the Decree shall be made with the attached Form 112.
(2) Notice of the results of a public hearing as provided in Article 145 (6) of the Decree shall be made with the attached Form 113, and the list of
attendees at such public hearing (including experts recommended by residents) shall be attached to such notice.

Article 136 (Radiation Environment Survey and Evaluation)

(1) A survey of radiation environment and evaluation of the impact of a radiation on environment as provided in Article 104 (1) of the Act shall be conducted in accordance with each of the following:
   1. A survey of radiation environment shall be performed based on the formulation of a radiation environment survey plan in advance;
   2. The results of a survey of radiation environment shall be verified on a regular basis by formulating a quality control program in respect of such survey of radiation environment;
   3. Radiation environment shall be surveyed by determining a sufficient scope of space and time for the evaluation of an impact caused by the operation of the facilities; and
   4. A radiological impact on the environment caused by the operation of the facilities shall be evaluated on the basis of the results of a survey of radiation environment.
(2) Details regarding the implementation of a survey of radiation environment and evaluation of the impact of a radiation on environment as provided in the foregoing Paragraph (1) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 137 (Installation/Operation of Radioactivity Monitoring Stations)

(1) Pursuant to Article 105 (2) of the Act, the central radioactivity monitoring station shall be set up at an institution to which authority is delegated as provided in Article 111 (1) 13 of the Act (hereinafter referred to as “entrusted institution”), and a local radioactivity monitoring station shall be set up and closed by the Nuclear Safety and Security Commission, as necessary.
(2) The central radioactivity monitoring station and local radioactivity monitoring station as provided in the foregoing Paragraph (1) shall have the head thereof appointed by the head of the entrusted institution, and details of the operation thereof shall be determined by the head of the entrusted institution.

Article 138 (Education of Radiation Workers and Frequent Visitors)

(1) New and periodic education under Article 148 (1) of the Decree shall be provided, including the matters based on the classification of the
below-listed: Provided, however, that the contents or methods of the education may be modified considering the trainee’s knowledge level and experiences in radiation safety):

1. Basic education
   a. Safety control in respect to the use of nuclear facilities;
   b. Handling of radioactive materials, etc.;
   c. Protection against radiation hazards;
   d. Radiation safety control regulations and related laws; and
   e. Education according to the characteristics of a user company.

2. on-the-jot education
   a. Radiation safety management regulations of the user business
   b. Characteristics of radiation sources and equipment of the user business
   c. Education based on other characteristics of the user business

(2) The basic education under Article 148 (2) and (3) of the Decree shall be conducted by dividing it into education for radiation workers and frequent visitors other than radiation safety managers, and education for radiation safety administrators.

(3) Deleted.

(4) Those who have taken education pursuant to Article 148 (1) of the Decree may be assessed.

(5) The on-the-jot education plan under Article 148 paragraph 4 of the Decree shall include the following:

1. In the case of internal education:
   a. Education schedule
   b. Textbook by student group
   c. Information concerning instructors
   d. Information concerning education facilities
   e. Information concerning evaluation

2. In the case of outsourced education: Details of outsourcing and the outsourced agency

(6) The courses and hours of education provided under Article 148 paragraphs 1 through 3 of the Decree shall be as per Attached Table 5-2

Article 139 Deleted.

Article 140 (Application for Refresher Education and Training)

(1) Any person who wishes to receive refresher education and training as provided in Article 149 (1) of the Decree shall submit an application for refresher education and training on the attached Form 114 to the head of the relevant education and training institute at least one (1) month prior to the commencement of such education and training. <Amended on 16 August
(2) Refresher courses under Article 149 (1) of the Decree shall be conducted based on the following division:
1. Those who have been licensed to operate power generating nuclear reactors or research reactors with a thermal output of 10 megawatts or greater among licenses under Article 84 (2) 1. or 2. of the Act: 5 or more days
2. Those who have been licensed under Article 84 (2) 3 to 7 of the Act and who are involved in jobs which involve the handling of nuclear fuel or radioisotopes, etc.: 2 or more days

Article 141 (Nuclear Control Education and Training)

(1) Nuclear control education and training as provided in Article 106 (3) of the Act (hereinafter referred to as “nuclear control education and training”) shall be conducted based on classification thereof into new and refresher education and training.
(2) The time, method and details of nuclear control education and training are specified in the attached Table 6.
(3) The head of the Korea Institute of Nuclear Nonproliferation and Control established in accordance with Article 6 of the Act shall formulate a nuclear control education and training plan for the following year by December 31 each year and notify the relevant trainees or employers as provided in Article 150 of the Decree of the education and training schedule, etc.

Chapter XI  Delegation of Authority

Article 142 (Application for a Permit, Inspection and License Examination, etc.)

As regard matters delegated according to Article 154 of the Decree, the documents that fall under any of the followings shall be submitted directly to the entrusted institution:
1. Application for a permit for the use, mobile use or sale of radioisotopes, etc. as provided in Articles 58 through 61 hereof:
2. Application for a permit for change as provided in Article 62 hereof:
3. Report of change in minor matters as provided in Articles 63, 84 and 107 hereof:
4. Report of temporary change of the place of use as provided in Article 64 hereof:
5. Notification or report of the use or changed use of radioisotopes, etc. as
provided in Articles 67 and 68 hereof;
6. Application for document review of a supervisory report as provided in Article 75 hereof;
7. Application for facility inspection, periodic inspection and manufacture inspection as provided in Article 76 and 80 hereof;
8. Application for document review of a self–check report as provided in Article 78 hereof;
9. Application for design approval or change of design approval of radiation equipment as provided in Article 82 and 83 hereof;
10. Application for inspection of radiation equipment as provided in Article 85 hereof;
11. Report of business commencement, etc. as provided in Article 38 hereof that applies mutatis mutandis in accordance with Article 86 hereof;
12. Self–disposal plan as provided in Article 95 hereof;
13. Report of transport as provided in Article 98 hereof;
14. Application for packing/transport inspection as provided in Article 101 hereof;
15. Application for documentary deliberation of the self–check findings regarding packaging and transport of radioactive materials, etc. as provided in Article 103 hereof;
16. Application for design approval of a transport container as provided in Article 105 hereof;
17. Application for inspection of the manufacture of a transport container as provided in Article 108 hereof;
18. Application for inspection of the use of a transport container as provided in Article 109 hereof;
19. Application for exemption from inspection as provided in Article 110 hereof;
20. Application for registration as a dosimeter reading service provider as provided in Article 111 hereof;
21. Report of change as provided in Article 112 hereof;
22. Application for inspection prior to commencement of dosimeter reading service as provided in Article 114 hereof;
23. Application for periodic inspection as provided in Article 114 hereof;
24. The written declaration of business commencement under Article 38 that shall be applied under Article 115 with any necessary modifications.;
25. Application for issuance of a license as provided in Article 118 hereof;
26. Report of transfer/acquisition as provided in Article 123 hereof;
27. Report of cancellation of a permit, etc. or discontinuance of business (use), etc. as provided in Article 126 hereof;
28. Application for a license examination as provided in Article 124 of the Decree; and
29. Report of the status of packages as provided in Subparagraph 12. d of the attached Table 5 of the Decree.

Article 143 (Application for Designation as an Entrusted Institution)

(1) The “documents as prescribed by the Ordinance of the Prime minister” provided in Article 157 (3) of the Decree are as follows:
1. Articles of incorporation (only in the case of a juridical person); and
2. List of properties, balance sheet, and statement of profit and loss for the year immediately preceding the year in which the application is made (list of properties, balance sheet, and statement of profit and loss for the business year in which the application is made in those cases where there is no such immediately preceding year applicable).
(2) When receiving an application for designation in accordance with Article 157 (2) of the Decree, the Nuclear Safety and Security Commission shall check a certified copy of the applicant's corporate register (to the extent that the applicant is a juridical person) through the administrative information sharing system under Article 36 (1) of the Act on Electronic Government.

Article 144 (Report on the Results of the Performance of Entrusted Duties)

Matters to be reported as provided in Article 164 of the Decree are as follows:
1. Results of reviews as provided in Subparagraphs 1 and 2 of Article 111 (1) of the Act;
2. Results of research and development as provided in Article 111 (1) 3 of the Act;
3. Results of inspection, confirmation and checkup as provided in Article 111 (1) 4 of the Act;
4. Results of license examinations as provided in Article 111 (1) 5 of the Act;
5. Results of the management of information on internationally controlled materials as provided in Article 111 (1) 6 of the Act;
6. Results of the management of exposure records and reports as provided in Article 111 (1) 7 of the Act;
7. Results of the receipt of reports and handling thereof as provided in Article 111 (1) 8 of the Act;
8. Results of refresher education and training as provided in Article 111 (1) 9 of the Act;
9. Results of performance of duties as provided in Subparagraphs 10 and 11 of Article 111 (1) of the Act;
10. Results of review as provided in Article 111 (1) 12 of the Act;
11. Results of survey, monitoring and evaluation as provided in Article 111 (1) 13 of the Act;
12. Results of review as provided in Article 111 (1) 14 of the Act;
13. Results of performance of duties as provided in Subparagraphs 5 to 8 of Article 154 (1) of the Decree; and
14. Results of research and development as provided in Article 154 (1) 12 of the Decree.

Chapter XII Supplementary provisions

Article 145 (Preparation and Maintenance of Records)

Matters that should be recorded and kept available as provided in Articles 18, 25, 39, 49, 52 (4), 58, 67 and 82 of the Act and Article 131 (3) and Article 132 (2) of the Decree shall be specified in the attached Table 7. Provided, that as regards matters that require measurements among the matters to be recorded, details of indirect estimates thereof shall be recorded in those cases where it is difficult to directly perform such measurements, and the fact that such details represent estimates shall be recorded also.

Article 146 (Fees)

(1) Fees payable in accordance with the main clause of Article 112 of the Act shall be paid with revenue stamps or by such means as e-money and e-settlement by the use of an information and telecommunication network, in the amount specified in the attached Table 8. Provided, that in those cases where the Nuclear Safety and Security Commission delegates his authority, outsourced agency determined the payments.
(2) The Nuclear Safety and Security Commission may refund application fees already paid if a person who applied for a license examination as provided in Article 87 (1) of the Act falls under any of the following:
1. When an excessive amount of application fees has been paid by mistake;
2. When the application is cancelled within ten days from the deadline of applications; and
3. When the applicant fails to take the examination for a reason attributable to the institution implementing the examination.
Article 147 (Re-issuance of Certificate of Permits, etc.)

(1) In those cases where any certificate of permit, designation or notification is damaged or lost, such certificate shall be re-issued by submitting to the Nuclear Safety and Security Commission an application for the re-issuance on the attached Form 115.

(2) Each of the following documents shall be attached to such application as provided in the foregoing Paragraph (1):
1. If damaged, certificate of permit (designation or confirmation); and
2. If lost, written reasons therefor.
ADDENDA <Ordinance of the Prime Minister No. 1025, Jun. 21, 2013>

Article 1 (Enforcement Date)

These rules shall enter into force on the day of their promulgation.

Article 2 (General transitional measures)

Any disposal, procedure or other acts performed pursuant to the Rules of the Atomic Energy Safety Commission according to their delegation under previous acts or decrees at the time these rules enter into force shall be regarded as having been performed pursuant to the corresponding provisions of these rules.

ADDENDUM <Ordinance of the Prime Minister No. 1030, Aug. 16, 2013>

These rules shall enter into force on 1 January 2014. However, the amended provision of Article 121 paragraph 1 shall enter into force after one month has elapsed from the promulgation hereof.

ADDENDA <Ordinance of the Prime Minister No. 1109, Nov. 24, 2014>

Article 1 (Enforcement Date)

These regulation shall enter into force on 22 November 2014. Provided, however, that the amended provision of Article 138 (1) shall enter into force on 1 January 2015.

Article 2 (Transitional measure for the declaration of change of trivial matters)

Trivial matters under the previous Article 6 (1) or Article 18 (1) shall be subject to the previous provisions if their changes are declared before these Rules enter into force.

Article 3 (Exceptions to the Education of Radiation Safety Officers)

(1) Notwithstanding the amended provision of Item 2 of Article 68–3 (1), those who intend to make a declaration pursuant to Article 53 (2) of the Act before 1 January 2015 may appoint one who has taken the periodic basic education for general radiation workers under Attached Table 5–2 in the previous Article 138 as radiation safety officer.

(2) A radiation safety officer who has been appointed pursuant to Paragraph
(1) shall complete the general education for radiation safety officers under Article 138 (1) no later than 30 June 2015.

**ADDENDUM** <Ordinance of the Prime Minister No. 1180, Jul. 21, 2015>

These Rules shall enter into force on 21 July 2015.

**ADDENDA** <Ordinance of the Prime Minister No. 1296, Jun. 30, 2016>

**Article 1** (Enforcement Date)

These Rules shall enter into force on the day they are promulgated.

**Article 2** (Application of Accident Management Program and Plans for the Drafting of Accident Management Program)

The amended provisions of Article 4 (3) and (6) and Article 9 (3) and (4) shall apply starting with applications made for a construction permit for a nuclear power reactor and related facilities under Article 10 (1) of the Act after the enforcement of these rules or applications made for a new approval of a standards–based design of nuclear power reactors and related facilities pursuant to Article 12 (1) of the Act.

**ADDENDA** <Ordinance of the Prime Minister No. 1310, Aug. 8, 2016>

**Article 1** (Enforcement Date)

These Rules shall enter into force on the day they are promulgated. However, the amended provisions of Article 78 (1) 4, Articles 121, 125, 126, Attached Table 7 and Attached Form 106 shall be enforced from 13 October 2016.

**Article 2** (Application of Period for Processing the Declaration of Minor Changes)

The processing period among the amended provisions of Attached Form 4 shall also apply to the declaration of change submitted before these rules are enforced. In such a case, the processing period shall start from the enforcement date of these rules.

**Article 3** (Transitional Measures for Matters Concerning the Preparation of Safety Management Regulations)

Those who have obtained permits or licenses under Article 53 (1) and Article
63 (1) of the Act before the enforcement of these rules shall prepare and submit safety management regulations pursuant to the amended provisions of Article 58 (5) 6 and 7 and Article 87 (4) 10 within six months of the date of enforcement of these rules.

**ADDENDUM** <Ordinance of the Prime Minister No. 1351, Dec. 30, 2016>

These Rules shall enter into force on the day they are promulgated.

**ADDENDA** <Ordinance of the Prime Minister No. 1366, Feb. 3, 2017>

**Article 1** (Enforcement Date)

These Rules shall enter into force on the day they are promulgated.

**Article 2** (Application for Declaration of Business Commencement by Dosimeter)

The amended provisions of Article 115, 142 Item 24, Attached Forms 19 and 26 shall apply starting with the commencement, suspension, abolition or resumption of service by a dosimeter after the enforcement of these rules.

**Article 3** (Application for Reporting of Workplace Education Outcome of Radiation Workers Other than Radiation Safety Managers)

The amended provisions of Attached Form 5 item 6 subparagraph e shall apply starting with workplace education conducted in the quarter to which the enforcement date of these rules belongs.

**Article 4** (Application for Recording and Maintenance of Discharge Volume of Radioactive Materials in Liquid and Gas Forms)

The amended provisions of Attached Form 7 item 2 subparagraph e. 14) shall apply starting with radioactive materials in liquid and gas form etc. discharged after approval of the discharge plan submitted to the Commission in relation to those who operate a nuclear reactor or who have applied for a license to operate one based on the previous provisions as of 2 December 2016.

**ADDENDUM** <Ordinance of the Prime Minister No. 1459, May. 3, 2018>

This Rule shall enter into force on the date of its promulgation: Provided, That the amended provisions of Articles 82 to 85 shall enter into force on June 20, 2018.
Enforcement Rule of the Nuclear Safety Act

**ADDENDUM** <Ordinance of the Prime Minister No. 1522, Feb. 15, 2019.>

This Rule shall enter into force on February 15, 2019.
### Timing of Periodic Inspection of Users of Radioisotopes, etc.  
[Related with Article 77]

<table>
<thead>
<tr>
<th>Description</th>
<th>Timing of Inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Factory or place of business wherein radioisotopes, etc. affect a human body</td>
<td></td>
</tr>
<tr>
<td>(a) For medical treatment and checkup of the inside and outside of a human body</td>
<td>Every year</td>
</tr>
<tr>
<td>(b) Others</td>
<td></td>
</tr>
<tr>
<td>(1) Annual usage of not less than 3.7 gigabecquerels (100 millicuries)</td>
<td>Every 3 years</td>
</tr>
<tr>
<td>(2) Annual usage of less than 3.7 gigabecquerels (100 millicuries)</td>
<td>Every 5 years</td>
</tr>
<tr>
<td>2. Factory or place of business wherein radioisotopes, etc. do not affect a human body</td>
<td></td>
</tr>
<tr>
<td>(a) Sealed radioisotopes</td>
<td></td>
</tr>
<tr>
<td>(1) Annual usage of not less than 111 terabecquerels (3,000 curies)</td>
<td>Every 3 years</td>
</tr>
<tr>
<td>(2) Annual usage of less than 111 terabecquerels (3,000 curies)</td>
<td>Every 5 years</td>
</tr>
<tr>
<td>(b) Unsealed radioisotopes</td>
<td></td>
</tr>
<tr>
<td>(1) Annual usage of not less than 3.7 gigabecquerels (100 millicuries)</td>
<td>Every 3 years</td>
</tr>
<tr>
<td>(2) Annual usage of less than 3.7 gigabecquerels (100 millicuries)</td>
<td>Every 5 years</td>
</tr>
<tr>
<td>(c) Radiation generating devices</td>
<td></td>
</tr>
<tr>
<td>(1) Not less than 1 giga electron bolts</td>
<td>Every 3 years</td>
</tr>
<tr>
<td>(2) Less than 1 giga electron bolts and not less than 1 mega electron bolts</td>
<td>Every 5 years</td>
</tr>
<tr>
<td>(3) Not less than 1 device with the capacity of 350 kilovolts/5 milliamperes, of which the maximum operating voltage is not less than 350 kilovolts</td>
<td>Every 3 years</td>
</tr>
<tr>
<td>(4) Not less than 2 devices with the capacity of 250 kilovolts/5 milliamperes, of which the maximum operating voltage is less than 350 kilovolts</td>
<td>Every 5 years</td>
</tr>
<tr>
<td>(5) When the device does not fall under any of the voltage, capacity and quantity as set forth in the foregoing (3) or (4)</td>
<td></td>
</tr>
<tr>
<td>3. Place of business specializing in mobile use of radioisotopes, etc.</td>
<td>Every year</td>
</tr>
<tr>
<td>4. Person who has obtained a permit to sell radioisotopes, etc.</td>
<td></td>
</tr>
<tr>
<td>(a) Sealed radioisotopes</td>
<td></td>
</tr>
<tr>
<td>(1) Annual sales volume of not less than 370 terabecquerels (10,000 curies)</td>
<td>Every year</td>
</tr>
<tr>
<td>(2) Annual sales volume of less than 370 terabecquerels (10,000 curies)</td>
<td>Every 3 years</td>
</tr>
<tr>
<td>(b) Unsealed radioisotopes</td>
<td></td>
</tr>
<tr>
<td>(1) Annual sales volume of not less than 37 terabecquerels (1,000 curies)</td>
<td>Every year</td>
</tr>
<tr>
<td>(2) Annual sales volume of less than 37 terabecquerels (1,000 curies)</td>
<td>Every 3 years</td>
</tr>
<tr>
<td>(c) Radiation generating devices</td>
<td></td>
</tr>
<tr>
<td>5. Person who has obtained a permit to produce radioisotopes, etc.</td>
<td>Every year</td>
</tr>
<tr>
<td>6. Business agent</td>
<td>Every year</td>
</tr>
</tbody>
</table>
### Requirements for Radiation Safety Supervisors at Permitted Radiation Treatment Entities including Radioactive Isotope

[Regarding Article 68-3 (1) 1]

<table>
<thead>
<tr>
<th>Items</th>
<th>Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Production</td>
<td>One (1) or more member with a license for the supervisor of radiation handling or a professional engineer of radiation control (one (1) or more member with a general license for the radioisotope handling, a license for the supervisor of radiation handling or a professional engineer of radiation control, who has already obtained a medical device manufacturing license in accordance with Article 6, 「Medical Device Act」)</td>
</tr>
<tr>
<td>2. Sales</td>
<td></td>
</tr>
<tr>
<td>a) Selling Radioactive Isotope products</td>
<td>One (1) or more member with a license for the supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>b) Selling Radiation generating devices</td>
<td>One (1) or more member with a general license for the radioisotope handling, a license for the supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>3. Application</td>
<td></td>
</tr>
<tr>
<td>a. To the human body</td>
<td>One (1) or more member with a special license for the radioisotope handling, a general license for the radioisotope handling, a license for the supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>b. To others</td>
<td></td>
</tr>
<tr>
<td>1) Radioactive Isotope sealed</td>
<td></td>
</tr>
<tr>
<td>a) Annual use of 1.85 Tera-Becquerel or more of one not mounted in a device</td>
<td>One (1) or more member with a license for the supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>b) Annual use of less than 1.85 Tera-Becquerel of one not mounted in a device</td>
<td>One (1) or more member with a general license for the radioisotope handling, a license for the supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>c) Annual use of 3.7 Tera-Becquerel or more of one mounted in a device</td>
<td>One (1) or more member with a license for the supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>d) Annual use of less than 3.7 Tera-Becquerel of one mounted in a device</td>
<td>One (1) or more member with a general license for the radioisotope handling, a license for the supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
</tbody>
</table>
2) Radioactive Isotope not sealed
   a) Annual use of 1.85 Tera-Becquerel or more
   b) Annual use of less than 1.85 Tera-Becquerel

3) Radiation generating devices
   a) One (1) Megavolt or more
   b) One (1) or more units with max. voltage of 350 Kilovolt or more and capacity of 350 Kilovolt and 5 Milliamperes or more
   c) Two (2) or more units with max. voltage of less than 350 Kilovolt and capacity of 250 Kilovolt and 5 Milliamperes or more
   d) Other cases not corresponding to conditions in a) to d)

4. Mobile application
   A. Mobile use for a radiograph test
   B. Work places involving mobile use for a radiograph test
   C. Cases other than A or B, herein

<table>
<thead>
<tr>
<th>Condition</th>
<th>Required License</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>One (1) or more member with a special license for the radioisotope handling, a license for the supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>b)</td>
<td>One (1) or more member with a general license for the radioisotope handling, a special license for the radioisotope handling, a license for the supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>c)</td>
<td>One (1) or more member with a license for the supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>d)</td>
<td>One (1) or more member with a general license for the radioisotope handling, a license for the supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>a)</td>
<td>Two (2) or more members with a license for the supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>b)</td>
<td>One (1) or more member with a general license for the radioisotope handling, a license for the supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
<tr>
<td>c)</td>
<td>One (1) or more member with a general license for the radioisotope handling, a license for the supervisor of radiation handling or a professional engineer of radiation control</td>
</tr>
</tbody>
</table>
### Personnel Standards for Substitutes of Radiation Safety Officers

#### Managing Radioisotopes, et.

[Related to Article 68-4 (2)]

<table>
<thead>
<tr>
<th>Category</th>
<th>Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permitted user</td>
<td>1. Production or sale</td>
</tr>
<tr>
<td></td>
<td>A. A person with a license as a radiation handling supervisor or a qualification certificate as a professional engineer in radiation management</td>
</tr>
<tr>
<td></td>
<td>B. A person with a general license as a radioisotope handler</td>
</tr>
<tr>
<td></td>
<td>C. A person who has work experience in handling radioisotopes, etc. for at least 3 years and has received the radiation safety officer education prescribed in Article 138 (2) in the past 2 years</td>
</tr>
<tr>
<td>2. Uses</td>
<td>A) Used on the human body</td>
</tr>
<tr>
<td></td>
<td>1) Substitute of a radiation safety officer with a special license as a radioisotope handler</td>
</tr>
<tr>
<td></td>
<td>A. A person with a special license as a radioisotope handler</td>
</tr>
<tr>
<td></td>
<td>B. A person who has work experience in handling radioisotopes, etc. for at least 3 years and has a doctor's license prescribed in Article 5 of the Medical Service Act</td>
</tr>
<tr>
<td></td>
<td>2) 1) Substitute of a radiation safety officer with a qualification certificate or a license other than the one prescribed in paragraph 1)</td>
</tr>
<tr>
<td></td>
<td>A. A person with a license as a radiation handling supervisor or a qualification certificate as a professional engineer in radiation management</td>
</tr>
<tr>
<td></td>
<td>B. A person with a general license as a radioisotope handler</td>
</tr>
<tr>
<td></td>
<td>C. A person who has work experience in handling radioisotopes, etc. for at least 3 years and has received the radiation safety officer education prescribed in Article 138 (2) in the past 2 years</td>
</tr>
<tr>
<td></td>
<td>B) Used on something other than the human body</td>
</tr>
<tr>
<td></td>
<td>A. A person with a license as a radiation handling supervisor or a qualification certificate as a professional engineer in radiation management</td>
</tr>
<tr>
<td></td>
<td>B. A person with a general license as a radioisotope handler</td>
</tr>
<tr>
<td></td>
<td>C. A person who has work experience in handling radioisotopes, etc. for at least 3 years and has received the radiation safety officer education prescribed in Article 138 (2) in the past 2 years</td>
</tr>
<tr>
<td>3. Mobile uses</td>
<td>A) Mobile workplace used for the purpose of radiographic exam</td>
</tr>
<tr>
<td></td>
<td>A. A person with a license as a radiation handling supervisor or a qualification certificate as a professional engineer in radiation management</td>
</tr>
</tbody>
</table>
### Enforcement Rule of the Nuclear Safety Act

<table>
<thead>
<tr>
<th>Reported user</th>
<th>Uses or mobile uses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B) Cases other than paragraph A)</td>
<td>B. A person with a general license as a radioisotope handler</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A. A person with a license as a radiation handling supervisor or a qualification certificate as a professional engineer in radiation management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B. A person with a general license as a radioisotope handler</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C. A person who has work experience in handling radioisotopes, etc. for at least 3 years and has received the radiation safety officer education prescribed in Article 138 (2) in the past 2 years</td>
</tr>
<tr>
<td></td>
<td>A. A person who has work experience in handling radioisotopes, etc. for at least 3 years and has received the radiation safety officer education prescribed in Article 138 (2) in the past 2 years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. A person who has work experience in handling radioisotopes, etc. for at least 1 year</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C. A person who has work experience in handling radioisotopes, etc. and in the position of supervising and commanding the radiation safety officer in the organization of the business establishment in question</td>
<td></td>
</tr>
</tbody>
</table>
### [Table 2]

**Standards for Technical Personnel, Facility, and Handling**  
[Related with Article 113 (1)]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Standards</th>
</tr>
</thead>
</table>
| 1. Technical Personnel  | (a) Reading manager  
One licensee as a supervisor of radiation handling or one professional engineer of radiation control under the National Technical Qualifications Act, or one person with at least a university degree in physics, chemical engineering, electrical / electronic engineering, radiology, or other subjects related to radiological protection and with at least two years of practical experience in dosimeter reading service in the same area.  
(b) Reading employee  
No less than one persons with at least college degrees in physics, chemical engineering, chemistry or radiology, or no less than one person with at least high school graduation and with at least two years of practical experience in film development. |
| 2. Facility Standards   | (a) Automatic reading facilities that guarantee reproducibility of the personal dosimeter reading results  
(b) Calibration facilities under the Framework Act on National Standards. Provided, that calibration facilities are not required if traceability under Subparagraph 18, Article 3 of the Framework Act on National Standards can be maintained.  
(c) Automatic annealing facilities that can initialize recorded radiation dose of the personal dosimeter (only to the extent that the dosimeter is reusable).  
(d) Uninterruptable power supply facilities that can maintain the continuity of reading.  
(e) Reading facilities that can maintain the relative humidity at not more than 65% and the temperature at 20±5°C.  
(f) Dosimeter storage facilities that are minimally affected by chemicals or natural radiation and can maintain such humidity and temperature as recommended by the producer of the personal dosimeter. |
| 3. Handling Standards   | (a) Changes in the state of the personal dosimeter and reading system shall be checked at all times in order to guarantee the reliability of reading.  
(b) Regarding reading methods or parts to be read of the personal dosimeter, reproducibility and homogeneity shall be guaranteed at all times.  
(c) Prior to using a reader, the stability and reproducibility of such reader shall be confirmed with a dosimeter for quality control or standard devices provided by the producer.  
(d) Calibration of the reading system shall be performed within six (6) months, and the traceability under Subparagraph 18, Article 3 of the Framework Act on National Standards shall be maintained.  
(e) The reading cycle of a personal dosimeter shall be monthly or quarterly according to the characteristics of the reading system. For a personal dosimeter, reading shall be completed within thirty (30) days from collection thereof.  
(f) Regarding the reading system, the level of reading of a dosimeter for quality control subject to base irradiation shall be maintained at ± 10% |
under 95% reliability.

(g) In order to guarantee the reliability and accuracy of reading results, a radiation dose assessment program whose validity has been verified shall be used. Such program shall be able to assess the type of radiation.

(h) The personal dosimeter and reading system shall comply with the criteria prescribed under ANSI, international standards (IEC, ISO) and Korean Industrial Standards as well as the procedures and criteria recommended by the producer of the reader.

(i) Any radiation exposure quantity under the recording level shall be indicated with the marking of “under the recording level.”

(j) Readers and personal dosimeters shall have passed the performance inspection as provided in Article 130 hereof.

Remarks: In the table above, “recording level” refers to the minimum value for the control of radiation worker’s radiation exposure quantity, as determined by the Nuclear Safety and Security Commission.
### Categories of Performance Inspection and Standards for Passing Performance Inspection

[Related with Article 114 (1)]

<table>
<thead>
<tr>
<th>Categories of Performance Inspection</th>
<th>Irradiation Scope</th>
<th>Standards for Passing Performance Inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>H_p(10)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>L</td>
</tr>
<tr>
<td>I. High dose/low energy photon M150</td>
<td>0.1 - 2 Sv</td>
<td>0.3</td>
</tr>
<tr>
<td>II. γ-ray of high dose/high energy photon 137Cs</td>
<td>0.1 - 1 Sv</td>
<td>0.3</td>
</tr>
<tr>
<td>III. Low energy photon 1) M30, M60, M100, M150, H150</td>
<td>0.3 - 100 mSv</td>
<td>0.5</td>
</tr>
<tr>
<td>IV. γ-ray of high energy photon 137Cs</td>
<td>0.3 - 100 mSv</td>
<td>0.5</td>
</tr>
<tr>
<td>V. Beta, 90Sr/90Y, 204Tl</td>
<td>1.5 - 100 mSv</td>
<td>-</td>
</tr>
<tr>
<td>VI. Photon mixed radiation field Mixture of III and IV</td>
<td>0.5 - 50 mSv</td>
<td>0.5</td>
</tr>
<tr>
<td>VII. Beta-photon mixed radiation field Mixture of IV and V</td>
<td>2 - 50 mSv</td>
<td>0.5</td>
</tr>
<tr>
<td>VIII. Neutron - photon mixed radiation field2)</td>
<td>1.5 - 50 mSv</td>
<td>0.5</td>
</tr>
</tbody>
</table>

Note: 1. Characteristics of M30, M60, M100, M150, H150 and 137Cs, and dose conversion factors are specified in the supplementary table below.

2. Mixed radiation field of 252Cf fission neutrons moderated by spherical D2O with a 15cm semidiameter surrounded by 0.051cm–thick Cd and 137Cs γ-rays.
[Supplementary Table]

**Photon Characteristics and Dose Conversion Factor**

<table>
<thead>
<tr>
<th>Source Code</th>
<th>Additional Filter (mm)³)</th>
<th>Half-Value Layer (HVL) (mm Al)</th>
<th>Homogeneity Coefficient (1st HVL/2nd HVL)</th>
<th>Average Energy (keV)</th>
<th>Dose Conversion Factor²)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Al</td>
<td>Cu</td>
<td>Sn</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M30</td>
<td>0.5</td>
<td></td>
<td></td>
<td>0.36</td>
<td>0.64</td>
</tr>
<tr>
<td>M60</td>
<td>1.51</td>
<td></td>
<td></td>
<td>1.68</td>
<td>0.68</td>
</tr>
<tr>
<td>M100</td>
<td>5.0</td>
<td></td>
<td></td>
<td>5.03</td>
<td>0.73</td>
</tr>
<tr>
<td>M150</td>
<td>5.0</td>
<td>0.25</td>
<td></td>
<td>10.25</td>
<td>0.89</td>
</tr>
<tr>
<td>H150</td>
<td>4.0</td>
<td>4.0</td>
<td>1.51</td>
<td>17.0</td>
<td>1.0</td>
</tr>
<tr>
<td>¹³⁷Cs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Values presented in the ANSI N13.11–1993 Revised (1995): Application of 1R = 0.876 rad (air kerma) to X-rays and 1R = 0.878 rad (air kerma) to ¹³⁷Cs
2. The unit of dose conversion factors (Cₖ,d, Cₖ,s) is Sv/Gy (or rem/rad): Hₚ(10) = Cₖ,d × Kₐ, Hₚ(0.07) = Cₖ,s × Kₐ (Kₐ = air kerma).
3. M30 X-rays include a built-in filter of 1mm Be, while other X-rays include a built-in filter of 3mm Be.
4. In those cases where different types of X-ray generating devices are used, the half-value layer and homogeneity coefficient should be maintained at not more than 5% and 10%, respectively.
Standards for Cancellation or Suspension of Licenses
[Related with Article 117]

<table>
<thead>
<tr>
<th>1. License Revocation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) When a license was acquired by means of fraud or other illegal methods;</td>
</tr>
<tr>
<td>(b) When the relevant person falls under any of Subparagraphs 1 through 3 of Article 85 of the Act;</td>
</tr>
<tr>
<td>(c) When the relevant person has lent a license to a third party twice or more;</td>
</tr>
<tr>
<td>(d) When the relevant persons has engaged in any act subject to license suspension within three years from the end of the period of license suspension; and</td>
</tr>
<tr>
<td>(e) When the relevant person has used his license during the period of license suspension.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. License Suspension for 3 Years:</th>
</tr>
</thead>
<tbody>
<tr>
<td>◦ When the relevant person has lent a license to a third party once, for a period of not less than 6 months.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. License Suspension for 2 Years:</th>
</tr>
</thead>
<tbody>
<tr>
<td>◦ When the relevant person has lent a license to a third party once, for a period of not less than 3 months and less than 6 months.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. License Suspension for 1 Year:</th>
</tr>
</thead>
<tbody>
<tr>
<td>◦ When the relevant person has lent a license to a third party once, for a period of less than 3 months; and</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. License Suspension for a period of less than 3 years until receipt of refresher education and training</th>
</tr>
</thead>
<tbody>
<tr>
<td>◦ When a person failed to receive refresher education and training in violation of Article 106 (2) of the Act without any justifiable reason.</td>
</tr>
</tbody>
</table>
### Matters to be reported by nuclear business operators etc.

#### and report submittal deadline

(in relation to Article 127)

<table>
<thead>
<tr>
<th>Matters to be reported</th>
<th>Report time limit</th>
</tr>
</thead>
</table>
| 1. Installers and operators of nuclear power reactor, installers of research nuclear reactors etc.  
  Matters concerning radiation control other than the matters concerning the management of records of radiation exposure of radiation workers. | Within 1 month after each quarter.                     |
<p>| 2. Providers of refinement and processing services                                        | Within 1 month after each quarter.                     |
| 3. Providers of spent nuclear fuel treatment services                                      | Within 1 month after each quarter.                     |
| a. Average value and highest value of density of radioactive materials in 3 months.      | Within 1 month after each quarter.                     |
| b. Average value, highest value and total aggregate value of density of radioactive materials in 3 months. | Within 1 month after each quarter.                     |
| 4. Users of nuclear fuel                                                                  | Within 1 month after lapse of the relevant year.       |
| a. Reports concerning inventory of nuclear fuel.                                         | Within 1 month after each quarter.                     |
| b. Status of processing, storing, discharge and disposal of materials contaminated by nuclear fuel. | Within 1 month after each quarter.                     |
| 5. Licensed users, and constructors and operators of waste treatment facilities         | Within 1 month after each quarter.                     |
| Status of production, acquisition (including the relevant certificates and documents, including design approval), use, sale, possession, storage, processing, storage, discharge and disposal of radioactive materials and radiation generating devices. | Within 1 month after each quarter.                     |
| 6. Operators of nuclear businesses (declared users excluded)                              | Within 1 month after lapse of each quarter.            |
| a. Radiation exposure dose of radiation workers based on personal dosimeter.             | After each operation or work.                          |
| b. Radiation exposure dose of radiation workers based on direct reading of personal dosimeter (applicable to radiography inspections only). | Within 1 month after lapse of each quarterly physical examination outcome is received Immediately upon occurrence. |
| c. Outcome of physical examination of radiation workers.                                  |                                                        |
| d. Status of persons with an unusually high reading whose dose reading becomes impossible due to damage or loss of dosimeter. | Within 1 month after lapse of each quarterly workplace education is conducted. |
| e. Outcome of workplace education for radiation workers other than radiation safety workers. |                                                        |</p>
<table>
<thead>
<tr>
<th>7. Operators of nuclear businesses (declared users excluded) or transporters of radioactive materials entrusted by the nuclear business operator</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Status of items transported in Korea.</td>
</tr>
<tr>
<td>b. Status of items transported to Korea from overseas.</td>
</tr>
<tr>
<td>c. Status of items transported overseas from Korea.</td>
</tr>
<tr>
<td>8. Contractors</td>
</tr>
<tr>
<td>b. Performance of collection, treatment and transportation of radioactive wastes, including radioactive isotopes.</td>
</tr>
<tr>
<td>c. Performance of supervision of installation of service facilities.</td>
</tr>
<tr>
<td>d. Performance of radiation safety management.</td>
</tr>
<tr>
<td>e. Performance of inspection of leaks from radiation sources.</td>
</tr>
<tr>
<td>9. Providers of dosimetry services</td>
</tr>
<tr>
<td>Status of persons with an unusually high reading under Article 2 item 15 of the Decree.</td>
</tr>
<tr>
<td>Within 1 month after lapse of the relevant year.</td>
</tr>
<tr>
<td>Within 1 month after lapse of the relevant year.</td>
</tr>
<tr>
<td>Within 1 month after lapse of the relevant year.</td>
</tr>
<tr>
<td>Within 1 month after each half year.</td>
</tr>
<tr>
<td>Within 1 month after each half year.</td>
</tr>
<tr>
<td>Within 1 month after each half year.</td>
</tr>
<tr>
<td>Within 1 month after each half year.</td>
</tr>
<tr>
<td>Immediately upon occurrence.</td>
</tr>
</tbody>
</table>
[Table 5–2]

**Courses and hours of education**
(in relation to Article 138 (6))

<table>
<thead>
<tr>
<th>Education course</th>
<th>New education hours</th>
<th>Periodic education hours</th>
<th>Basic education</th>
<th>Workplace education</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Basic education</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1. Radiation safety workers</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. adiological worker other than radiation safety officer</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3. Frequent visitors</td>
<td></td>
</tr>
<tr>
<td>General areas</td>
<td>Basic education</td>
<td>Workplace education</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>8 hours or more</td>
<td>4 hours or more</td>
<td>Every year 3 hours or more</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Every year 3 hours or more</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Every year 3 hours or more</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Every year 3 hours or more</td>
<td></td>
</tr>
<tr>
<td>Area of radiographic inspection</td>
<td>12 hours or more</td>
<td>6 hours or more</td>
<td>Every year 5 hours or more</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Every year 5 hours or more</td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Every year 5 hours or more</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Every year 5 hours or more</td>
<td></td>
</tr>
</tbody>
</table>

**Note**

1. A person who has received education pursuant to Article 31 (1) of the Occupational Safety and Health Act (limited to the education targeting workers performing tasks falling under attached Table 8-2 subparagraph 1 D. 33. of the Enforcement Rule of the Act) before starting the work concerned shall be regarded to have received vocational education among the regular education in the year concerned to the extent of the education hours completed.

2. A person who has received education pursuant to Article 31 (3) of the Occupational Safety and Health Act (limited to the education targeting workers performing tasks falling under attached Table 8-2 subparagraph 1 D. 33. of the Enforcement Rule of the Act) before starting the work concerned shall be regarded to have received vocational education among the new education in the year concerned to the extent of the education hours completed.
### Time, Method, and Contents of Nuclear Control Education and Training

[Related with Article 141]

<table>
<thead>
<tr>
<th>Trainees</th>
<th>New training</th>
<th>Refresher training</th>
<th>Training method</th>
<th>Training content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persons subject to Subparagraph 1, Article 150 of the Decree</td>
<td>At least sixteen (16) hours</td>
<td>At least eight (8) hours per annum. Provided, that in the case of a person who has received refresher training and training three or more times, the mandatory duration of refresher training shall be at least two (2) hours per annum.</td>
<td>In principle, theoretical training shall be carried out. If necessary, however, on-the-job training may be also performed.</td>
<td>Legislation and international conventions on nuclear control. Matters related with nuclear control policies. Matters related with safeguards for nuclear materials, etc. Matters related with import/export control of internationally controlled materials including nuclear materials. Matters related with international cooperation regarding nuclear control. Matters related with inspection equipment. Matters related with control and accountancy reports on nuclear materials, etc.</td>
</tr>
<tr>
<td>Persons subject to Subparagraph 2, Article 150 of the Decree</td>
<td>At least eight (8) hours</td>
<td>At least four (4) hours per annum. Provided, that in the case of a person who has received refresher training and training three or more times, the mandatory duration of refresher training and training shall be at least two (2) hours per annum.</td>
<td>In principle, theoretical training shall be carried out. If necessary, however, on-the-job training may be also performed.</td>
<td>Legislation and International conventions on nuclear control. Matters related with nuclear control policies. Matters related with safeguards for nuclear materials, etc. Matters related with import/export control of internationally controlled materials including nuclear materials. Matters related with international cooperation regarding nuclear control.</td>
</tr>
</tbody>
</table>

Remarks: New training shall be conducted within one (1) year from appointment as employees in charge of control and accountancy of specific nuclear materials or as project managers of research and development, respectively.
[Table 7]

**Matters to be recorded and maintained**

[in relation to Article 145]

1. Those who have obtained a construction permit for a nuclear power reactor or a construction permit or operation license for a research nuclear reactor etc.

<table>
<thead>
<tr>
<th>Matters to be recorded</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Location of nuclear reactor facilities.</td>
<td>Until disassembly of the nuclear reactor facilities.</td>
</tr>
<tr>
<td>b. Structure and equipment of nuclear reactor facilities.</td>
<td>Until disassembly of the nuclear reactor facilities.</td>
</tr>
<tr>
<td>c. Technical data or materials, including stress analysis, proving the safety of nuclear reactor facilities.</td>
<td>Until disassembly of the nuclear reactor facilities.</td>
</tr>
<tr>
<td>d. Outcome of the pre-operational inspection under Article 27 (1) of the Decree.</td>
<td>Until disassembly of the nuclear reactor facilities.</td>
</tr>
<tr>
<td>e. Outcome of the quality warranty inspection under Article 30 of the Decree (applicable only when a quality warranty inspection is performed).</td>
<td>10 years</td>
</tr>
</tbody>
</table>

2. Those who have obtained an operation license for a nuclear power reactor or a construction permit or operation license for a research nuclear reactor etc.

<table>
<thead>
<tr>
<th>Matters to be recorded</th>
<th>Matters to be recorded</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Inspection records of nuclear reactor facilities.</td>
<td>Every inspection.</td>
<td>10 years</td>
</tr>
<tr>
<td>1) Outcome of the periodic inspection under Article 35 of the Decree.</td>
<td>Every inspection.</td>
<td>10 years</td>
</tr>
<tr>
<td>2) Outcome of the quality warranty inspection under Article 31 of the Decree where Article 42 of the Decree is applied with modifications.</td>
<td>Every inspection.</td>
<td>10 years</td>
</tr>
<tr>
<td>b. Operation record.</td>
<td>Continuous</td>
<td>10 years</td>
</tr>
<tr>
<td>1) Thermal output and neutron flux density and temperature at core.</td>
<td>Every 1 hour during operation.</td>
<td>10 years</td>
</tr>
<tr>
<td>2) Temperature, pressure and flow rate of coolant at the entrance and exit of the neutron reactor main body.</td>
<td>Every 1 hour during operation.</td>
<td>1 year</td>
</tr>
<tr>
<td>3) Location of control materials.</td>
<td>- Once per day</td>
<td>1 year</td>
</tr>
<tr>
<td>4) Purity and daily supply volume of coolant and moderator used on nuclear reactors (applicable to liquids only).</td>
<td>Every time they are placed or replaced.</td>
<td>10 years</td>
</tr>
<tr>
<td>5) Layout and replacement details of nuclear fuel assembly inside nuclear reactors (excluding critical testing apparatus).</td>
<td>Every time they are charged.</td>
<td>1 year</td>
</tr>
<tr>
<td>6) Types and quantity of materials charged for testing changes in the reactivity of nuclear fuel assembly, coolant, reflecting material, and nuclear fission chain reaction.</td>
<td>Every time operation is started and shut down.</td>
<td>1 year</td>
</tr>
<tr>
<td>7) Inspection of nuclear reactor facilities before starting operation and after shutdown.</td>
<td>Every time operation is started and shut down.</td>
<td>1 year</td>
</tr>
<tr>
<td>8) Time operation is started, critical condition reached, operator</td>
<td>Every time operation is started and shut down.</td>
<td>1 year</td>
</tr>
<tr>
<td>Records concerning radiation safety management.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>1) Radiation rate on outer surface of radiation shields of nuclear reactor main body, facilities for storage of spent nuclear fuel, and facilities for processing, storing and disposing of radioactive wastes.</td>
<td>Once per day during operation. 10 years</td>
<td></td>
</tr>
<tr>
<td>2) Exhaust outlet of radioactive materials and average density of radioactive materials at exhaust outlet in one day or 3 months.</td>
<td>Once per day for daily average density; once per quarter for average density of 3 months. 10 years</td>
<td></td>
</tr>
<tr>
<td>3) Radiation rate outside the radiation control zone and average density of radioactive materials in air and water in one week, and degree of surface contamination of objects contaminated by radioactive materials.</td>
<td>Once per week 10 years</td>
<td></td>
</tr>
<tr>
<td>4) Radiation exposure dose of radiation workers in 3 months based on the total dose on 1 January of each year.</td>
<td>Once per quarter Until the nuclear reactor is disassembled.</td>
<td></td>
</tr>
<tr>
<td>5) Radiation exposure dose of frequent visitors in 3 months based on the total dose on 1 January of each year.</td>
<td>Once per quarter 5 years</td>
<td></td>
</tr>
<tr>
<td>6) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties.</td>
<td>When the relevant duties are started. Until the nuclear reactor is disassembled.</td>
<td></td>
</tr>
</tbody>
</table>
7) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties. When the relevant duties are started. 5 years

8) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties. Every physical examination. Until the nuclear reactor is disassembled.

9) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties. Every physical examination. 5 years

10) Type, quantity, date, and transportation path of radioactive wastes delivered to the constructor and operator of waste treatment facilities. Every delivery. Until the nuclear reactor is disassembled.

11) Type, quantity, method and date of radioactive materials stored at storage facilities. Every time they are received or shipped out. 10 years

12) Performance of education/training of nuclear reactor operators. Every case of education/training. 5 years

13) Source, type, quantity, radiation rate, method and date of treatment of radioactive materials disposed of internally. Every time they are disposed of internally. 5 years

14) Volume of radioactive materials in liquid and gas forms (applicable to those who are licensed to operate a nuclear power reactor). Once per quarter Until the nuclear reactor is disassembled.

f. Records concerning tour and inspection of nuclear reactor facilities.
   1) Outcome and person in charge of tour and inspection of nuclear reactor facilities. Once per month 1 year
   2) Outcome and person in charge of repair of nuclear reactor facilities. Every time repaired. 1 year

g. Records concerning the use of nuclear reactor facilities.
   1) Purpose and method of use and radiation rate of radiation used. Every time used. 1 year
   2) Types and quantity of nuclear fuel charged on a nuclear reactor. Every time charged. 1 year
   3) Date and time of accident and recovery. Every time an accident occurs or is recovered. Until the nuclear reactor is disassembled.

   4) Circumstances of accident and details of countermeasures taken. As and when required. Until the nuclear reactor is disassembled.

   5) Cause of accident. Whenever an accident occurs. Until nuclear reactor is disassembled.

   6) Details of countermeasures taken following an accident. Whenever an action is taken. Until nuclear reactor is disassembled.

h. Weather records
   1) Wind direction and speed Continuously 10 years
   2) Atmosphere stability Continuously 10 years
   3) Amount of rainfall Continuously 10 years
   4) Temperature Continuously 10 years
3. Refinery service providers

<table>
<thead>
<tr>
<th>Matters to be recorded</th>
<th>Matters to be recorded</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Records concerning nuclear materials</td>
<td>Every time there is a change in the quantity of nuclear materials.</td>
<td>10 years</td>
</tr>
<tr>
<td>b. Records concerning radiation safety management.</td>
<td>Every time work is performed.</td>
<td>10 years</td>
</tr>
<tr>
<td>1) Radiation rate outside the radiation control zone and restriction zone; average density of radioactive materials in air and water in one week; and degree of surface contamination of objects contaminated by radioactive materials.</td>
<td>Once per week</td>
<td>10 years</td>
</tr>
<tr>
<td>2) Radiation exposure dose of radiation workers in 3 months based on the dose on 1 January each year.</td>
<td>Once per quarter</td>
<td>Until the refinery service is discontinued.</td>
</tr>
<tr>
<td>3) Radiation exposure dose of frequent visitors in 3 months based on the dose on 1 January each year.</td>
<td>Once per quarter</td>
<td>5 years</td>
</tr>
<tr>
<td>4) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties.</td>
<td>When the relevant duties are started.</td>
<td>Until the refinery service is discontinued.</td>
</tr>
<tr>
<td>5) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties.</td>
<td>When the relevant duties are started.</td>
<td>5 years</td>
</tr>
<tr>
<td>6) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties.</td>
<td>Every time there is a physical examination.</td>
<td>Until the refinery service is discontinued.</td>
</tr>
<tr>
<td>7) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties.</td>
<td>Every time there is a physical examination.</td>
<td>5 years</td>
</tr>
<tr>
<td>8) Type, quantity, date and transportation path of radiative wastes delivered to the constructor and operator of waste treatment facilities.</td>
<td>Every delivery.</td>
<td>Until the refinery service is discontinued.</td>
</tr>
<tr>
<td>9) Type, quantity, method and date of radioactive materials stored at storage facilities.</td>
<td>Every time they are received or shipped out.</td>
<td>10 years</td>
</tr>
<tr>
<td>10) Source, type, quantity, radiation rate, method and date of treatment of radioactive materials disposed of internally.</td>
<td>Every time they are disposed of internally.</td>
<td>5 years</td>
</tr>
<tr>
<td>c. Records concerning maintenance and management.</td>
<td>Once per day</td>
<td>1 year</td>
</tr>
</tbody>
</table>
2) Outcome of inspection and name in full of person in charge of appliances that require extraordinary care to prevent damages as provided under the safety management regulations. 

3) Outcome of repair and name in full of person in charge of appliances that require extraordinary care to prevent damages as provided under the safety management regulations.

d. Records concerning accidents of refinery facilities.

| 1) Date and time of accident and recovery. | Every time an accident occurs or is recovered. | Until the refinery service is discontinued. |
| 2) Circumstances of accident and details of actions taken. | As and when required. | Until the refinery service is discontinued. |
| 3) Cause of accident. | Every time an accident occurs. | Until the refinery service is discontinued. |
| 4) Details of actions taken following accident. | Whenever an action is taken. | Until the refinery service is discontinued. |

4. Processing service provider

<table>
<thead>
<tr>
<th>Matters to be recorded</th>
<th>Matters to be recorded</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Records concerning nuclear materials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Records related to the measurement of nuclear materials brought in, taken out, stored, used, produced or lost by origin and type.</td>
<td>Every time there is a change in the quantity of nuclear materials.</td>
<td>10 years</td>
</tr>
<tr>
<td>2) Records of work on facilities for handling nuclear materials.</td>
<td>Every time work is performed.</td>
<td>10 years</td>
</tr>
<tr>
<td>b. Records concerning the inspection of processing facilities.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Facility inspection under Article 128 of the Decree where Article 141 of the Decree is applied with modifications.</td>
<td>Every inspection.</td>
<td>5 years</td>
</tr>
<tr>
<td>2) Records concerning the inspection of equipment that requires special maintenance for safety as provided under the safety management regulations.</td>
<td>Every inspection.</td>
<td>5 years</td>
</tr>
<tr>
<td>c. Records concerning radiation safety management.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Exhaust outlet of radioactive materials and average density of radioactive materials at exhaust outlet in 3 months.</td>
<td>Once per quarter</td>
<td>10 years</td>
</tr>
<tr>
<td>2) Radiation rate outside the radiation control zone and restriction zone; average density of radioactive materials in air and water in one week; and degree of surface contamination of objects contaminated by radioactive materials.</td>
<td>Once per week</td>
<td>10 years</td>
</tr>
<tr>
<td>3) Radiation exposure dose of radiation workers in 3 months</td>
<td>Once per quarter</td>
<td>Until the</td>
</tr>
<tr>
<td>Activity Description</td>
<td>Frequency/Duration</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>1) Processing service is discontinued.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2) Total quantity of radioactive materials imported into equipment that requires special maintenance for safety as provided under the safety management regulations.</td>
<td>Every time they are imported. 1 year</td>
<td></td>
</tr>
<tr>
<td>3) Temperature, pressure and flow rate of equipment that requires special maintenance for safety as provided under the safety management regulations.</td>
<td>Continuously 1 year</td>
<td></td>
</tr>
<tr>
<td>4) Time of start and shutdown of processing facilities.</td>
<td>Every time operation is started and shut down. 1 year</td>
<td></td>
</tr>
<tr>
<td>5) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties.</td>
<td>When the relevant duties are started. Until the processing service is discontinued.</td>
<td></td>
</tr>
<tr>
<td>6) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties.</td>
<td>When the relevant duties are started. 5 years</td>
<td></td>
</tr>
<tr>
<td>7) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties.</td>
<td>Every physical examination. Until the processing service is discontinued.</td>
<td></td>
</tr>
<tr>
<td>8) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties.</td>
<td>Every physical examination. 5 years</td>
<td></td>
</tr>
<tr>
<td>9) Type, quantity, date and path of radiative wastes delivered to the constructor and operator of waste treatment facilities.</td>
<td>Every delivery. Until the processing service is discontinued.</td>
<td></td>
</tr>
<tr>
<td>10) Type, quantity, method and date of radioactive materials stored at storage facilities.</td>
<td>Every time they are received or shipped out. 10 years</td>
<td></td>
</tr>
<tr>
<td>11) Source, type, quantity, radiation rate, method and date of treatment of radioactive materials disposed of internally.</td>
<td>Every time they are disposed of internally. 5 years</td>
<td></td>
</tr>
<tr>
<td>d. Operation record</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Total quantity of radioactive materials imported into equipment that requires special maintenance for safety as provided under the safety management regulations.</td>
<td>Every time they are imported. 1 year</td>
<td></td>
</tr>
<tr>
<td>2) Temperature, pressure and flow rate of equipment that requires special maintenance for safety as provided under the safety management regulations.</td>
<td>Continuously 1 year</td>
<td></td>
</tr>
<tr>
<td>3) Time of start and shutdown of processing facilities.</td>
<td>Every time operation is started and shut down. 1 year</td>
<td></td>
</tr>
<tr>
<td>4) Operation manager and operators; and duty shift time of equipment that requires special maintenance for safety as provided under the safety management regulations.</td>
<td>Every time operation is started and shut down. 1 year</td>
<td></td>
</tr>
<tr>
<td>e. Records concerning maintenance and management.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Outcome and person in charge of tour and inspection of processing facilities.</td>
<td>Once per day 1 year</td>
<td></td>
</tr>
<tr>
<td>2) Outcome and person in full charge of repair of processing facilities.</td>
<td>Every time repaired Until the processing service is discontinued.</td>
<td></td>
</tr>
<tr>
<td>f. Records concerning accidents at processing facilities.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Date and time of accident and recovery.</td>
<td>Every time an accident occurs or is recovered. Until the processing service is discontinued.</td>
<td></td>
</tr>
</tbody>
</table>

Based on the dose on 1 January of each year.
2) Circumstances of accident and details of actions taken. | As and when required. | Until the processing service is discontinued.
---|---|---
3) Cause of accident. | Every time an accident occurs. | Until the processing service is discontinued.
4) Details of actions taken following accident. | Whenever an action is taken | Until the processing service is discontinued.
g. Records concerning weather.
1) Wind direction and speed | Continuously | 10 years
2) Atmosphere stability | Continuously | 10 years
3) Amount of rainfall | 10 years | 10 years
4) Temperature | Continuously | 10 years

5. Spent nuclear fuel treatment service providers

<table>
<thead>
<tr>
<th>Matters to be recorded</th>
<th>Matters to be recorded</th>
<th>Archival period</th>
</tr>
</thead>
</table>
a. Records concerning nuclear materials
1) Records related to the measurement of nuclear materials brought in, taken out, stored, used, produced or lost by origin and type. | Every time there is a change in the quantity of nuclear materials. | 10 years |
2) Records of work on facilities for handling nuclear materials. | Every time work is performed. | 10 years |
b. Records concerning the inspection of spent nuclear fuel processing facilities.
1) Outcome of the periodic inspection under Article 63 of the Decree. | Every inspection. | 5 years |
2) Outcome of the periodic inspection under Article 65 of the Decree. | Every inspection. | 5 years |
c. Records concerning radiation safety management.
1) Radiation rate of facilities for processing spent nuclear fuel, storing nuclear fuel, and disposing of radioactive materials. | Once per day during operation. | 10 years |
2) Exhaust outlet of radioactive materials and average density of radioactive materials at exhaust outlet in one day or 3 months. | Once per day for daily average density and once per quarter for average density of 3 months. | 10 years |
3) Volume and average density of radioactive wastes discharged and at exhaust outlet in one day or 3 months by type. | Once per day for daily average density and once per quarter for average density of 3 months. | 10 years |
4) Radiation rate outside the radiation control zone and | Once per week | 10 years |
<table>
<thead>
<tr>
<th>Enforcements</th>
<th>Frequency</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Date, time and total quantity of nuclear fuel imported into equipment that requires special management for safety as provided under the safety management regulations.</td>
<td>Every time they are received or shipped out.</td>
<td>10 years</td>
</tr>
<tr>
<td>2) Temperature, pressure and flow rate of equipment that requires special maintenance for safety as provided under the safety management regulations.</td>
<td>Continuously</td>
<td>1 year</td>
</tr>
<tr>
<td>3) Time of start and shutdown of spent nuclear fuel processing facilities.</td>
<td>Every time operation is started and shut down.</td>
<td>1 year</td>
</tr>
<tr>
<td>4) Type, quantity, method and date of radioactive materials stored at storage facilities.</td>
<td>Every time they are received or shipped out.</td>
<td>10 years</td>
</tr>
<tr>
<td>5) Density of radioactive materials in seawater, near discharge hole into sea, marine sediment, and marine life by type.</td>
<td>Once per quarter</td>
<td>Until the spent nuclear fuel processing service is discontinued.</td>
</tr>
<tr>
<td>6) Radiation exposure dose of radiation workers in 3 months based on the dose on 1 January of each year.</td>
<td>Once per quarter</td>
<td>Until the spent nuclear fuel processing service is discontinued.</td>
</tr>
<tr>
<td>7) Radiation exposure dose of frequent visitors in 3 months based on the dose on 1 January of each year.</td>
<td>Once per quarter</td>
<td>5 years</td>
</tr>
<tr>
<td>8) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties.</td>
<td>When the relevant duties are started.</td>
<td>Until the spent nuclear fuel processing service is discontinued.</td>
</tr>
<tr>
<td>9) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties.</td>
<td>When the relevant duties are started.</td>
<td>5 years</td>
</tr>
<tr>
<td>10) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties.</td>
<td>Every physical examination.</td>
<td>Until the spent nuclear fuel processing service is discontinued.</td>
</tr>
<tr>
<td>11) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties.</td>
<td>Every physical examination.</td>
<td>5 years</td>
</tr>
<tr>
<td>12) Type, quantity, date and path of radiative wastes delivered to the constructor and operator of waste treatment facilities.</td>
<td>Every delivery.</td>
<td>Until the spent nuclear fuel processing service is discontinued.</td>
</tr>
</tbody>
</table>
4) Name in full and duty shift time of operation manager and operators of equipment that require special maintenance for safety as provided under the safety management regulations.

<table>
<thead>
<tr>
<th>Action</th>
<th>Frequency</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 year</td>
</tr>
</tbody>
</table>

e. Repair maintenance

1) Outcome and person in charge of tour and inspection of spent nuclear fuel processing facilities.

<table>
<thead>
<tr>
<th>Action</th>
<th>Frequency</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 year</td>
</tr>
</tbody>
</table>

2) Outcome of repair and person in charge of spent nuclear fuel processing facilities.

<table>
<thead>
<tr>
<th>Action</th>
<th>Frequency</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>5 years</td>
</tr>
</tbody>
</table>

f. Records concerning accidents at spent nuclear fuel processing facilities.

1) Date and time of accident and recovery.

<table>
<thead>
<tr>
<th>Action</th>
<th>Frequency</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Until the spent nuclear fuel processing service is discontinued.</td>
</tr>
</tbody>
</table>

2) Circumstances of accident and details of actions taken.

<table>
<thead>
<tr>
<th>Action</th>
<th>Frequency</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Until the spent nuclear fuel processing service is discontinued.</td>
</tr>
</tbody>
</table>

3) Cause of accident.

<table>
<thead>
<tr>
<th>Action</th>
<th>Frequency</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Until the spent nuclear fuel processing service is discontinued.</td>
</tr>
</tbody>
</table>

4) Details of actions taken following accidents.

<table>
<thead>
<tr>
<th>Action</th>
<th>Frequency</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Until the spent nuclear fuel processing service is discontinued.</td>
</tr>
</tbody>
</table>

g. Records concerning weather

1) Wind direction and speed

<table>
<thead>
<tr>
<th>Action</th>
<th>Frequency</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>10 years</td>
</tr>
</tbody>
</table>

2) Atmosphere stability

<table>
<thead>
<tr>
<th>Action</th>
<th>Frequency</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>10 years</td>
</tr>
</tbody>
</table>

3) Amount of rainfall

<table>
<thead>
<tr>
<th>Action</th>
<th>Frequency</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>10 years</td>
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</tbody>
</table>

4) Temperature

<table>
<thead>
<tr>
<th>Action</th>
<th>Frequency</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>10 years</td>
</tr>
</tbody>
</table>

6. Users of nuclear fuel

<table>
<thead>
<tr>
<th>Matters to be recorded</th>
<th>Matters to be recorded</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Records concerning nuclear materials</td>
<td>Every time there is a change in the quantity of nuclear materials.</td>
<td>10 years</td>
</tr>
<tr>
<td>1) Records related to the measurement of nuclear materials brought in, taken out, stored, used, produced or lost by origin and type.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2) Records of work on facilities for handling nuclear materials.</td>
<td>Every time work is performed.</td>
<td>10 years</td>
</tr>
<tr>
<td>b. Records concerning inspection of facilities.</td>
<td>Every inspection.</td>
<td>5 years</td>
</tr>
<tr>
<td>Outcome of the inspection under Article 73 of the Decree.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. Records concerning radiation safety management.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Enforcement Rule of the Nuclear Safety Act

| 1) Radiation rate of outer surface of radiation shields at facilities that use radioactive materials. | Once every day during operation. | 5 years |
| 2) Exhaust outlet of radioactive materials and average density of radioactive materials at exhaust outlet in 3 months. | Every time they are discharged or drained (continuously when discharged or drained continuously). | 5 years |
| 3) Radiation rate outside the radiation control zone; average density of radioactive materials in air and water in one day; degree of surface contamination on objects contaminated by radioactive materials. | Once per day | 5 years |
| 4) Radiation exposure dose of radiation workers in 3 months based on the dose on 1 January each year | Once per quarter | Until the service is discontinued |
| 5) Radiation exposure dose of frequent visitors in 3 months based on the dose on 1 January of each year. | Once per quarter | 5 years |
| 6) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties. | When the relevant duties are started. | Until the service is discontinued |
| 7) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties. | When the relevant duties are started. | 5 years |
| 8) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties. | Every time of physical examination | Until the service is discontinued |
| 9) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties. | Every physical examination. | 5 years |
| 10) Type, quantity, date and path of radiative wastes delivered to the constructor and operator of waste treatment facilities. | Every delivery. | Until the service is discontinued |
| 11) Type, quantity, method and date of radioactive materials stored at storage facilities. | Every time they are received or shipped out. | 10 years |
| 12) Source, type, quantity, radiation rate, method and date of treatment of radioactive materials disposed of internally. | Every time they are disposed of internally. | 5 years |
| d. Records concerning maintenance and management. | | |
| 1) Outcome and person in charge of tour and inspection of use facilities. | Once per day | 1 year |
| 2) Outcome of repair and person in charge of repair facilities. | Every time they are repaired. | 5 years |
| e. Records concerning accidents at use facilities. | | |
| 1) Date and time of accident and recovery. | Every time an accident occurs or is recovered | Until the service is discontinued |
| 2) State and details of actions taken. | As required. | Until the service is discontinued |
| 3) Cause of accident. | Every time an accident occurs. | Until the service is discontinued |
| 4) Details of actions taken following accidents. | Whenever an action is taken. | Until the service is discontinued |

### 7. User of Nuclear Source Materials

<table>
<thead>
<tr>
<th>Matters to be recorded</th>
<th>Matters to be recorded</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Quantity received/ delivered and inventory of nuclear source materials.</td>
<td>Every time there is a fluctuation in the quantity</td>
<td>5 years</td>
</tr>
</tbody>
</table>
b. Records concerning radiation safety management.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Exhaust outlet of radioactive materials and average density of radioactive materials at exhaust outlet in 3 months.</td>
<td>&quot;Once per quarter&quot; 5 years</td>
</tr>
<tr>
<td>2) Radiation rate outside the radiation control zone; average density of radioactive materials in air and water in one week; degree of surface contamination on objects contaminated by radioactive materials.</td>
<td>Once per week 5 years</td>
</tr>
<tr>
<td>3) Radiation exposure dose of radiation workers in 3 months based on the dose on 1 January of each year.</td>
<td>Once per quarter Until the service is discontinued</td>
</tr>
<tr>
<td>4) Radiation exposure dose of frequent visitors in 3 months based on the dose on 1 January of each year.</td>
<td>Until the service is discontinued</td>
</tr>
<tr>
<td>5) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties.</td>
<td>When the relevant duties are started.</td>
</tr>
<tr>
<td>6) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties.</td>
<td>When the relevant duties are started. 5 years</td>
</tr>
<tr>
<td>7) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties.</td>
<td>Every physical examination. Until the service is discontinued</td>
</tr>
<tr>
<td>8) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties.</td>
<td>Every physical examination. 5 years</td>
</tr>
<tr>
<td>9) Type, quantity, method and date of radioactive materials stored at storage facilities.</td>
<td>Every time they are received or shipped out. 10 years</td>
</tr>
<tr>
<td>10) Source, type, quantity, radiation rate, method and date of treatment of radioactive materials disposed of internally.</td>
<td>Every time they are disposed of internally. 5 years</td>
</tr>
</tbody>
</table>

c. Records concerning accidents at facilities using nuclear source materials.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Date and time of accident and recovery.</td>
<td>Every time an accident occurs or is recovered. Until the service is discontinued</td>
</tr>
<tr>
<td>2) Circumstances of accident and details of actions taken.</td>
<td>As and when required. Until the service is discontinued</td>
</tr>
<tr>
<td>3) Cause of accident.</td>
<td>Whenever an accident occurs. Until the service is discontinued</td>
</tr>
<tr>
<td>4) Details of actions taken following accidents.</td>
<td>Whenever an action is taken. Until the service is discontinued</td>
</tr>
</tbody>
</table>

8. Those who produce or use radioactive isotopes (exclusive of declared users)

<table>
<thead>
<tr>
<th>Matters to be recorded</th>
<th>Matters to be recorded</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Records concerning the production and use of radioactive isotopes (i.e. date, time, place, method, purpose of production or use, name in full, types and quantity of operators).</td>
<td>Every time they are produced and used.</td>
<td>5 years</td>
</tr>
<tr>
<td>b. Records concerning storage, processing, storage and discharge of radioactive isotopes and materials contaminated by radioactive isotopes (i.e. date, time, place, method, operators, name in full, type and quantity).</td>
<td>Every time they are possessed, processed, stored or discharged.</td>
<td>5 years</td>
</tr>
<tr>
<td>c. Records concerning radiation safety management.</td>
<td>Every time they are measured.</td>
<td>5 years</td>
</tr>
<tr>
<td>1) Radiation rate of facilities that produce, use, distribute, store or dispose of radioactive isotopes etc.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2) Radiation rate of sealed radioactive isotopes or radiation shields of radiation generating devices in given places.

3) Density of radioactive materials at discharge or drain outlets.

4) Degree of surface contamination on objects contaminated by radioactive materials in radiation control zones.

5) Radiation exposure dose of radiation workers in 3 months based on the dose on 1 January of each year.

6) Radiation exposure dose of frequent visitors in 3 months based on the dose on 1 January of each year.

7) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties.

8) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties.

9) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties.

10) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties.

11) Source, type, quantity, radiation rate, method and date of treatment of radioactive materials disposed of internally.

<table>
<thead>
<tr>
<th>Matters to be recorded</th>
<th>Matters to be recorded</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Records concerning the purchase and sales of radioactive isotopes (date, type and quantity).</td>
<td>Every time they are purchased or sold.</td>
<td>5 years</td>
</tr>
<tr>
<td>b. Records concerning the conservation, processing, storage and discharge of radioactive isotopes and contaminated materials by radioactive isotopes (date, time, place, method, operators, name in full, type and quantity).</td>
<td>Every time they are possessed, processed, stored or discharged.</td>
<td>5 years</td>
</tr>
<tr>
<td>c. Records concerning radiation safety management.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Radiation rate of facilities that distribute, store, possess, process, and discharge radioactive isotopes etc.</td>
<td>Every time they are measured.</td>
<td>10 years</td>
</tr>
<tr>
<td>2) Radiation rate of facilities that store sealed radioactive materials.</td>
<td>Every time they are measured.</td>
<td>10 years</td>
</tr>
<tr>
<td>3) Density of radioactive materials at discharge or drain outlets.</td>
<td>Every time they are discharged or drained.</td>
<td>10 years</td>
</tr>
<tr>
<td>4) Degree of surface contamination of objects contaminated by radioactive materials in radiation control zones.</td>
<td>Every time work is performed.</td>
<td>10 years</td>
</tr>
<tr>
<td>5) Radiation exposure dose of radiation workers in 3 months based on the dose on 1 January of each year.</td>
<td>Once per quarter</td>
<td>Until the sales business is discontinued.</td>
</tr>
<tr>
<td>6) Radiation exposure dose of frequent visitors in 3 months based on the dose on 1 January of each year.</td>
<td>Once per quarter</td>
<td>5 years</td>
</tr>
<tr>
<td>7) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties.</td>
<td>When the relevant duties are started.</td>
<td>Until the sales business is discontinued.</td>
</tr>
<tr>
<td>8) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties.</td>
<td>When the relevant duties are started.</td>
<td>5 years</td>
</tr>
</tbody>
</table>
10. Those who have obtained a construction permit or operation license for nuclear waste disposal facilities

<table>
<thead>
<tr>
<th>Matters to be recorded</th>
<th>Mats to be recorded</th>
<th>Archival period</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Records concerning radioactive wastes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Types and quantity of radioactive wastes received</td>
<td>Every time they are received</td>
<td>Permanent</td>
</tr>
<tr>
<td>2) Date, time and place of receipt of radioactive wastes</td>
<td>Every time they are received</td>
<td>Permanent</td>
</tr>
<tr>
<td>3) Type, quantity, method and date and time of radioactive wastes processed at processing facilities</td>
<td>Every time they are processed</td>
<td>Permanent</td>
</tr>
<tr>
<td>4) Type, quantity, disposal method, location and total radioactive density of radioactive wastes permanently disposed of at disposal facilities</td>
<td>Every time they are disposed of internally</td>
<td>Permanent</td>
</tr>
<tr>
<td>5) Source, type, quantity, radiation rate, disposal method and processing date and time of radioactive wastes disposed of internally</td>
<td>Every time they are internally disposed of internally</td>
<td>5 years</td>
</tr>
<tr>
<td>b. Records concerning radiation safety management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Radiation rate of facilities that store, process and dispose of radioactive wastes</td>
<td>Every time they are measured</td>
<td>10 years</td>
</tr>
<tr>
<td>2) Exhaust outlet of radioactive materials and average density of radioactive materials at exhaust outlet in 3 months</td>
<td>Once per quarter</td>
<td>10 years</td>
</tr>
<tr>
<td>3) Radiation rate in air and water outside the radiation control zone and restriction zone; average density of radioactive materials in air and water in one week; and degree of surface contamination on objects contaminated by radioactive materials</td>
<td>Once per week</td>
<td>10 years</td>
</tr>
<tr>
<td>4) Radiation exposure dose of radiation workers in 3 months based on the dose on 1 January of each year</td>
<td>Once per quarter</td>
<td>Until the construction or operation of waste disposal facilities is abolished</td>
</tr>
<tr>
<td>5) Radiation exposure dose of frequent visitors in 3 months based on the dose on 1 January of each year</td>
<td>Once per quarter</td>
<td>5 years</td>
</tr>
<tr>
<td>6) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties</td>
<td>When the relevant duties are started</td>
<td>Until construction or operation of waste disposal facilities is abolished</td>
</tr>
<tr>
<td>7) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties</td>
<td>When the relevant duties are started</td>
<td>5 years</td>
</tr>
<tr>
<td>8) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the</td>
<td>Every physical examination</td>
<td>Until construction or</td>
</tr>
</tbody>
</table>
relevant duties.

9) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties. Every physical examination. 5 years

c. Records concerning the inspection of waste disposal facilities.

1) Outcome of the pre-operational inspection under Article 101 of the Decree. Every inspection. 10 years

2) Outcome of the periodic inspection under Article 103 of the Decree. Every inspection. 5 years

3) Outcome of the disposal inspection under Article 104 of the Decree. Every inspection. 5 years

d. Records concerning operation, maintenance and management.

Outcome of the tour and inspection and name in full of the person in charge of appliances that require extraordinary care to prevent damages pursuant to the safety management regulations. Once per day and every time they are repaired. - Tour and inspection: 1 year - Repair: Until construction or operation of waste disposal facilities is abolished.

e. Records concerning accidents at waste disposal facilities.

1) Date and time of accident and recovery. Every time an accident occurs or is recovered. Until construction or operation of waste disposal facilities is abolished.

2) Circumstances of accident and details of actions taken. As and when required. Until construction or operation of waste disposal facilities is abolished.

3) Cause of accident. Whenever an accident occurs. Until construction or operation of waste disposal facilities is abolished.

4) Details of actions taken following accidents. Whenever an action is taken. Until construction or operation of waste disposal facilities is abolished.

f. Monitoring of environment.

1) Place, date and time of collection of samples. Every time samples are collected. Until construction or operation of waste disposal facilities is abolished.

2) Method and outcome of sample analysis. Every time a sample is analyzed. Until construction or operation of waste disposal facilities is abolished.
3) Method and outcome of measurement of radiation in environment. Every time it is measured. Until construction or operation of waste disposal facilities is abolished.

g. Records concerning weather.
1) Wind direction and speed Continuously 10 years
2) Atmospheric stability Continuously 10 years

11. Dosimetry service provider

<table>
<thead>
<tr>
<th>Matters to be recorded</th>
<th>Matters to be recorded</th>
<th>Archival period</th>
</tr>
</thead>
</table>
| a. Data related to assessment of radiation exposure dose.  
  1) The basic data of the radiation exposure dose reading based on the following classification:  
  a) In the case of reusable personal dosimeter: Basic data, including reaction and spectrum by element.  
  b) In the case of a non-reusable personal dosimeter: The relevant personal dosimeter that records the exposure image permanently. | Every time it is assessed. Until reading service registration is abolished. |   |
| 2) Outcome of measurement of individual radiation exposure dose. | Every time it is assessed Until the reading service is discontinued. |   |
| b. Records concerning the inspection and calibration of dosimeters. | Every time they are inspected or calibrated. 5 years |   |
| c. Outcome of the reading inspection under Article 115 of the Decree. | Every inspection. 5 years |   |

12. Contractor

<table>
<thead>
<tr>
<th>Matters to be recorded</th>
<th>Matters to be recorded</th>
<th>Archival period</th>
</tr>
</thead>
</table>
| a. Performance of entrusted services  
  1) Details and period of entrusted service. | Every time the entrusted service is performed. Until entrusted service registration is abolished. |   |
| 2) Details and outcome of radiation work. | Every time the entrusted service is performed. Until entrusted service registration is abolished. |   |
| 3) Performance of the periodic entrusted safety management service in the case of an entrusted radiation safety management service. | Every time the entrusted service is performed. Until entrusted service registration is abolished. |   |
| b. Records concerning radiation safety management.  
  1) Radiation exposure dose of radiation workers in 3 months based on the dose on 1 January of each year. | Once per quarter Until entrusted service registration is abolished. |   |
<p>| 2) Radiation exposure dose of frequent visitors in 3 months based on the dose on 1 January of each year. | Once per quarter 5 years |   |
| 3) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties. | When the relevant duties are started. Until entrusted service registration is |   |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties.</td>
<td>When the relevant duties are started.</td>
<td>abolished. 5 years</td>
</tr>
<tr>
<td>5) Physical examination records and radiation exposure experience of radiation workers prior to engagement in the relevant duties.</td>
<td>Every time of physical examination</td>
<td>Until entrusted service registration is abolished.</td>
</tr>
<tr>
<td>6) Physical examination records and radiation exposure experience of frequent visitors prior to engagement in the relevant duties.</td>
<td>Every physical examination.</td>
<td>5 years</td>
</tr>
</tbody>
</table>

Enforcement Rule of the Nuclear Safety Act
[Table 8]

**Fees**

[Related with Article 146]

1. Permit for Construction/Operation of Nuclear Reactors, etc.
   (Unit: Korean won)

<table>
<thead>
<tr>
<th>Item</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Application for a permit for the construction of nuclear power reactors and related facilities as prescribed in Article 10 of the Act</td>
<td>200,000</td>
</tr>
<tr>
<td>(b) Application for a change permit as prescribed in Article 10 of the Act</td>
<td>30,000</td>
</tr>
<tr>
<td>(c) Application for approval of a standard design as prescribed in Article 12 of the Act</td>
<td>50,000</td>
</tr>
<tr>
<td>(d) Application for approval of change as prescribed in Article 12 of the Act</td>
<td>20,000</td>
</tr>
<tr>
<td>(e) Application for a permit for the operation of nuclear power reactors and related facilities as prescribed in Article 20 of the Act</td>
<td>200,000</td>
</tr>
<tr>
<td>(f) Application for a change permit as prescribed in Article 20 of the Act</td>
<td>30,000</td>
</tr>
<tr>
<td>(g) Application for a permit for the construction/operation of nuclear research reactors, etc. and related facilities as prescribed in Article 30 of the Act</td>
<td>50,000</td>
</tr>
<tr>
<td>(h) Application for a change permit as prescribed in Article 30 of the Act</td>
<td>20,000</td>
</tr>
</tbody>
</table>

2. Permit/Designation of Nuclear fuel cycle Business in accordance with Article 35 of the Act
   (Unit: Korean won)

<table>
<thead>
<tr>
<th>Item</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Application for a permit for the refining business</td>
<td>100,000</td>
</tr>
<tr>
<td>(b) Application for a change permit of permitted matters regarding the refining business</td>
<td>20,000</td>
</tr>
<tr>
<td>(c) Application for a permit for the fabrication business</td>
<td>100,000</td>
</tr>
<tr>
<td>(d) Application for a change permit of permitted matters regarding the fabrication business</td>
<td>20,000</td>
</tr>
<tr>
<td>(e) Application for designation as the spent fuel processing business</td>
<td>100,000</td>
</tr>
<tr>
<td>(f) Application for approval of change of designated matters regarding a spent fuel processing business</td>
<td>20,000</td>
</tr>
</tbody>
</table>
3. Permit for the Production, Use, Mobile Use and Sale of Radioisotopes, etc. in accordance with Article 53 of the Act (Unit: Korean won)

<table>
<thead>
<tr>
<th>Item</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Application for a permit for the production, use and mobile use of radioisotopes</td>
<td>10,000</td>
</tr>
<tr>
<td>(b) Application for a permit for the production, use and mobile use of radiation generating devices</td>
<td>10,000</td>
</tr>
<tr>
<td>(c) Application for a permit for the sale of radioisotopes</td>
<td>10,000</td>
</tr>
<tr>
<td>(d) Application for a permit for the sale of radiation generating devices</td>
<td>10,000</td>
</tr>
<tr>
<td>(e) Application for a change permit for the production, use and mobile use of radioisotopes</td>
<td>5,000</td>
</tr>
<tr>
<td>(f) Application for a change permit for the production, use and mobile use of radiation generating devices</td>
<td>5,000</td>
</tr>
<tr>
<td>(g) Application for a change permit for sale of radioisotopes</td>
<td>5,000</td>
</tr>
<tr>
<td>(h) Application for a change permit for sale of radiation generating devices</td>
<td>5,000</td>
</tr>
</tbody>
</table>

4. Permit for the Construction/Operation of Disposal Facilities, etc. in accordance with Article 63 of the Act (Unit: Korean won)

<table>
<thead>
<tr>
<th>Item</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Application for a permit for the construction/operation of disposal facilities, etc.</td>
<td>100,000</td>
</tr>
<tr>
<td>(b) Application for a change permit for the construction/operation of disposal facilities, etc.</td>
<td>20,000</td>
</tr>
</tbody>
</table>

5. Registration of a Dosimeter Reading Service Provider in accordance with Article 78 of the Act (Unit: Korean won)

<table>
<thead>
<tr>
<th>Item</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Application for the registration of a dosimeter reading service</td>
<td>10,000</td>
</tr>
<tr>
<td>(b) Report on changed registration of a dosimeter reading service</td>
<td>5,000</td>
</tr>
</tbody>
</table>
6. Nuclear Energy–Related Licenses in accordance with Article 87 of the Act

(Unit: Korean won)

<table>
<thead>
<tr>
<th>Item</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Application for an examination for license</td>
<td></td>
</tr>
<tr>
<td>(1) License for the supervisor of nuclear reactor operation</td>
<td>20,000</td>
</tr>
<tr>
<td>(2) License for the operator of nuclear reactors</td>
<td>15,000</td>
</tr>
<tr>
<td>(3) License for the supervisor of nuclear fuel material handling</td>
<td>20,000</td>
</tr>
<tr>
<td>(4) License for the operator of nuclear fuel material handling</td>
<td>15,000</td>
</tr>
<tr>
<td>(5) General license for the operator of radioisotope handling</td>
<td>15,000</td>
</tr>
<tr>
<td>(6) Special license for the operator of radioisotope handling</td>
<td>20,000</td>
</tr>
<tr>
<td>(7) License for the supervisor of radiation handling</td>
<td>20,000</td>
</tr>
<tr>
<td>(b) Application for issuance of a license</td>
<td>5,000</td>
</tr>
<tr>
<td>(c) Application for re-issuance (correction, renewal, etc.) of a license</td>
<td>2,500</td>
</tr>
</tbody>
</table>

7. Registration of a Business Agent in accordance with Article 54 of the Act

(Unit: Korean won)

<table>
<thead>
<tr>
<th>Item</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Application for registration of a business agent</td>
<td>10,000</td>
</tr>
<tr>
<td>(b) Report on changed registration of a business agent (excluding a change in the name and address of the applicant)</td>
<td>5,000</td>
</tr>
</tbody>
</table>

8. Approval of a Topical Report in accordance with Article 100 of the Act

(Unit: Korean won)

<table>
<thead>
<tr>
<th>Item</th>
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</thead>
<tbody>
<tr>
<td>(a) Application for approval of a topical report as prescribed in Article 100 of the Act</td>
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</tbody>
</table>
Application for Construction Permit for Nuclear Reactor Facility

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<th>Date processed</th>
<th>Processing period</th>
<th>24 months</th>
<th>processing period</th>
<th>24 months</th>
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</tbody>
</table>

**Applicant**

- **Head office**
  - Name
  - Name in full of representative
  - Address:
    - Business registration number
    - Resident registration number
    - Phone No.

- **Place of business**
  - Name
  - Address:

**Details of Application**

- **Purpose of use**
- **Type, thermal output, number of units, country manufactured, manufacturer, and year manufactured**
- **Construction plan for nuclear reactor facility**
- **Type and quantity planned to be used per year, and plan for procurement of nuclear fuel for use in the nuclear reactor**
- **Methods of processing and disposal of spent nuclear fuel**
- **Amount of funds required and finance plan for construction of nuclear reactor**

We hereby apply for a construction permit for the nuclear reactor facility described above pursuant to Article 10 (1) of the Nuclear Safety Act and Article 17 of its Enforcement Decree, and Article 4 of its Enforcement Rules.

**Date:**

**Applicant** (sign or seal impression)

To the Nuclear Safety and Security Commission

**Documents attached**

See rear side.

**Fee**

See rear side.

210mm × 297mm [wood-free printing paper 80g/m²]
Documents to be submitted by the applicant

1. 5 copies of radiation environmental report (2 copies in case electronic files with same contents are submitted). Provided, that, if such report has been previously submitted at the time of application for prior approval of a construction site, it is not required to be submitted.

2. 15 copies of preliminary Safety Analysis Report (2 copies in case electronic files with same contents are submitted).

3. 5 copies of quality assurance program on construction (2 copies in case electronic files with same contents are submitted).

4. 5 copies of decommissioning plans (2 copies in case electronic files with same contents are submitted).

5. 5 copies of explanatory statement on the purpose of the nuclear reactor (1 copy in case electronic files with same contents are submitted).

6. 5 copies of explanatory statement on technical capabilities in respect to installation of reactor facilities of which shall be prepared in accordance with guidelines determined and publicly notified by the Commission (1 copy in case electronic files with same contents are submitted).

7. 5 copies of plans for the drafting of accident management program which shall be prepared in accordance with guidelines determined and publicly notified by the Commission (1 copy in case electronic files with same contents are submitted).

8. 1 copy of Articles of incorporation (in the case of a juridical person only)

Fee

In accordance with Table 8 of the Enforcement Regulation

Matters to be confirmed by The Nuclear Safety and Security Commission

Corporate Certificate of Registration

(remark) In case where two or more reactors of the same type output structure are to be constructed in the same site, it may be applied in one application form.

Process of disposal

<table>
<thead>
<tr>
<th>Preparation for Application</th>
<th>Receipt</th>
<th>Documents Review</th>
<th>Preparation for Permit Certificate</th>
<th>Issuance of Permit Certificate</th>
</tr>
</thead>
</table>
### Enforcement Rule of the Nuclear Safety Act

<table>
<thead>
<tr>
<th>No.</th>
<th>Nuclear reactor facility</th>
<th>Permit/license certificate</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>[ ] Construction</td>
<td></td>
</tr>
<tr>
<td></td>
<td>[ ] Operation</td>
<td></td>
</tr>
</tbody>
</table>

#### Head office
- **Name**
- **Name in full of representative**

#### Place of business
- **Name**
- **Address:**

#### Nuclear reactor
- **Type**
- **Capacity**

The above application for the construction and/or operation of a nuclear reactor and the related facilities is hereby permitted and/or licensed based on the Nuclear Safety Act.

- [ ] Article 10
- [ ] Article 20
- [ ] Article 30
- [ ] Article 30-2
- [ ] Article 16 (7)
- [ ] Article 25 (6)

Date:

**The Nuclear Safety and Security Commission**

<table>
<thead>
<tr>
<th>STAMP</th>
</tr>
</thead>
</table>

210mm × 297mm [Wood free paper 120g/m²]
<table>
<thead>
<tr>
<th>DD MM YY</th>
<th>Items modified or revised</th>
<th>Reason for modification or revision</th>
<th>Confirmed (sign or seal impression)</th>
</tr>
</thead>
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</tr>
</tbody>
</table>
Application for Change of Construction Permit for Reactor Facilities

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>24 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Main Office</td>
<td>Name</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Name of Representative</td>
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<tr>
<td></td>
<td></td>
<td>Address</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Business Place Where Reactor Facilities Related to the Change is Installed</td>
<td>Name</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Location</td>
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</tr>
</tbody>
</table>

Application contents

- Contents of Change
- Reasons of Change
- Construction Plan Where a Construction is Required in accordance with Such Change

I hereby apply for a change of construction permit of reactor facilities in accordance with the Article 10 (1) of the Act, Article 21 of the Decree and the Article 5 of the Ordinance of the Prime minister.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. 3 copies of each of documents related with change, among documents attached to an application for construction permit on the attached Form 1 (2 copies in case electronic files with same contents are submitted)
2. construction permit for reactor facilities

Fee
In accordance with Table 8 of the Regulation

<table>
<thead>
<tr>
<th>process of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation for Application</td>
</tr>
</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
## Report of Changes in Minor Matters

<table>
<thead>
<tr>
<th>Receipt No.</th>
<th>Date received</th>
<th>Date processed</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>

**Declared by**

- Company name: Business registration number
- Address: Phone No.
- Representative: Date of birth
- Name of business place
- Business place: Phone No.
- Department in charge: Person in charge

**Details declared**

- Approval, permit, license or designation certificate No.: Date approved or permitted
- Items modified or revised
- Reason for modification or revision

The above modification or revision is declared pursuant to the Nuclear Safety Act, Article 10, 12, 15, 20, 28, 29, 30, 34, 35, 42, 44, 45, 51, 53, 60, 63, 69 or 76.

Date:

Declared by (sign or seal impression)

**To the Nuclear Safety and Security Commission**

**Documents to be attached**

- 1. 1 copy each of documents certifying the modifications or revisions.
- 2. Permit, license or designation certificate (to be submitted only in cases where a modification/revision is declared pursuant to the Nuclear Safety Act, Article 10, 12, 20, 30, 35, 45, 53, or 60).
- 3. Design approval certificate (to be submitted only in cases falling under Articles 60 and 76 of the Nuclear Safety Act).

**Processing period**

- 1. Declared pursuant to the Nuclear Safety Act, Article 10, 12, 15, 20, 28, 29, 30, 34, 35, 42, 44, 45, 51, 53, 60 or 76: 20 days
- 2. Declared pursuant to the Nuclear Safety Act, Article 45, 51, 53, 60 or 76: 20 days

**Fee**

None

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210mm × 297mm [wood-free printing paper 80g/m² (recycled)]
Application for Prior Approval of a Construction Site

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>24 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Main Office</td>
<td>Name</td>
<td>Telephone</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Name of Representative</td>
<td>Date of birth</td>
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<td></td>
<td></td>
<td>Address</td>
<td></td>
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<tr>
<td></td>
<td>Site</td>
<td>Name</td>
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<tr>
<td></td>
<td></td>
<td>Location</td>
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<td></td>
</tr>
</tbody>
</table>

Purpose of Use

Type Capacity Units Number of Reactor To Be Installed

Scope of Construction Work

Necessity for The Prior Construction Work and Reason Thereof

Content and Method of Construction Work

I hereby apply for the prior approval of a construction site in accordance with Article 10 (5) of the Act and Article 7 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

| 1. 5 copies of radiation environmental report (2 copies in case electronic files with same contents are submitted) |
| 2. 5 copies of site investigation report (2 copies in case electronic files with same contents are submitted) |

Fee None

<table>
<thead>
<tr>
<th>process of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation for Application</td>
</tr>
</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Approval of the Standard Design of Reactor Facilities

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>24 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Name of Corporation</td>
<td>Telephone</td>
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<td></td>
<td>Location</td>
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<tr>
<td></td>
<td>Representative name</td>
<td>Resident Registration Number</td>
<td></td>
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<td></td>
<td>Representative Address</td>
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<tr>
<td></td>
<td>Department Responsible</td>
<td>Telephone</td>
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<tr>
<td>Application contents</td>
<td>Name of Reactor</td>
<td></td>
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<tr>
<td></td>
<td>Type: Thermal Output Designer Nationality of Designer</td>
<td></td>
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<tr>
<td></td>
<td>Design Plan of Reactor Facilities</td>
<td></td>
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<tr>
<td></td>
<td>Utilization Plan of Reactor Facilities</td>
<td></td>
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</tr>
</tbody>
</table>

I hereby apply for approval of the standard design of reactor facilities in accordance with Article 12 (1), Article 22 (1) of the Decree and Article 9 of the regulation

(year) (month) (date)

Applicant

(sign or seal impression)

To the Nuclear Safety and Security Commission

Documents to be submitted by the applicant

1. 15 copies of the standard design technical documents (two copies in the case of digital media containing the same contents).
2. 5 copies of a written description of the purpose/use of the nuclear reactor (two copies in the case of digital media containing the same contents).
3. 5 copies of a written description of the technical capabilities in the design of the nuclear reactor (two copies in the case of digital media containing the same contents).
4. 15 copies of the report on the safety analysis of the standard design (three copies in the case of digital media containing the same contents).
5. 5 copies of the plans for the drafting of accident management program based on the guidelines determined and published by the Commission (1 copy in the case of digital media containing the same contents).
6. 1 copy of the Articles of Incorporation or the relevant bylaw (to be submitted by corporations only).

Certificate of corporate registration items

Nuclear Safety and Security Commission

Items to be checked

Processing procedure

<table>
<thead>
<tr>
<th>Application re-prepared</th>
<th>Received</th>
<th>Documents reviewed</th>
<th>Approval or license certificate prepared and issued</th>
<th>Approval or license certificate received</th>
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</thead>
<tbody>
<tr>
<td>Applicant</td>
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</table>

Nuclear Safety and Security Commission

Nuclear Safety and Security Commission

Nuclear Safety and Security Commission

Applicant

Fee

Enforcement Rules of the Nuclear Safety Act

See Attached Table 8 below.

210mm × 297mm [wood-free printing paper 80g/m²]
Ref. No.

Certificate of Approval of the Standard Design of a Nuclear Reactor Facility

1. Corporate name:

2. Address:

3. Representative: (Date of birth: )

4. Name of nuclear reactor:

5. Type:

6. Capacity:
The standard design of the nuclear reactor facility is hereby approved as outlined above pursuant to Article 12 of the Nuclear Safety Act and Article 22 (1) of its Enforcement Decree, and Article 9 of its Enforcement Rules.

Date:

The Nuclear Safety and Security Commission

STAMP

210Mm×364mm [wood-free printing paper 150g/㎡]
<table>
<thead>
<tr>
<th>(Year) (Month) (Date)</th>
<th>Contents of Change</th>
<th>Reasons for Change</th>
<th>Confirmation</th>
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<tbody>
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</tbody>
</table>
Application for a Change of Approved Standard Designs

<table>
<thead>
<tr>
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<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>24 months</th>
</tr>
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<tbody>
<tr>
<td>Applicant</td>
<td>Name of Corporation</td>
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<td>Representative name</td>
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<td>Department Responsible</td>
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<td>Name of Reactor Related with Change</td>
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<td>Application contents</td>
<td>Contents of Change</td>
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<td>Reasons for Change</td>
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</tbody>
</table>

I hereby apply for the approval of change of standard design in accordance with Article 12 (1) of the Act, Article 23 of the Decree and Article 14 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents
1. 3 copies of each the documents related to change, among the documents attached to an application for the approval of a standard design (2 copies, respectively, in case electronic files with same contents are submitted)
2. a certificate of approval of the standard design of reactor facilities

Fee : In accordance with Table 8 of the Regulation

process of disposal

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Receipt</th>
<th>Documents Review</th>
<th>Preparation for Approval Certificate</th>
<th>Issue of Approval Certificate</th>
</tr>
</thead>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]

### Safety Facilities

<table>
<thead>
<tr>
<th>Design</th>
<th>Manufacture</th>
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### Contract Declaration

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<th>receipt date</th>
<th>processing date</th>
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</thead>
<tbody>
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<td>Representative name</td>
<td>Date of birth</td>
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<td></td>
<td>Department Responsible</td>
<td>Person in charge</td>
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<tr>
<td>Details</td>
<td>Title of contract</td>
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<td>Contract item</td>
<td>Date of contract</td>
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<td>Contract No.</td>
<td>Pertinent nuclear reactor facilities</td>
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<td>Unit No. (or Name of System/Unit)</td>
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<tr>
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<td>Quality rating</td>
<td>Safety rating</td>
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<td></td>
<td>Name of supplier</td>
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<td>Address</td>
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</tr>
<tr>
<td></td>
<td>Delivery deadline</td>
<td>Person in charge</td>
<td></td>
</tr>
</tbody>
</table>

* If the contractor is not actually the designer and manufacturer, it is required to separately submit the information of the actual designer and manufacturer.

* If there are 2 or more contract items in the same contract, it is required to separately submit the details.

I, hereby, declare the above information under Article 15.2, 「Nuclear Safety Act」 and the Enforcement Rule, Article 14.2.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

### To the Nuclear Safety and Security Commission

**Attachments**

Documents proving the contract (including Specification of Contract Subjects)

No fees

### Procedure

- Fill out the Declaration
- Register the Declaration

Applicant

Nuclear Safety and Security Commission

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Enforcement Regulation of the Nuclear Safety Act [Attached Form 8-3] <New, enacted on 11/24/2014>

**Declaration of Safety Equipment Qualification Contract**

*DO NOT fill columns with dark backgrounds.*

<table>
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<th>processing date</th>
<th>immediately</th>
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</thead>
<tbody>
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</tr>
<tr>
<td>Name of Corporation</td>
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<td>Location</td>
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</tr>
<tr>
<td>Representative name</td>
<td>Date of birth</td>
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</tr>
<tr>
<td>Department Responsible</td>
<td>Person in charge</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Details</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Title of contract</td>
<td>Date of contract</td>
<td></td>
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</tr>
<tr>
<td>Contract item</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Contract No.</td>
<td>Pertinent nuclear reactor facilities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unit No. (or Name of System/Unit)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quality rating</td>
<td>Safety rating</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name of contractor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td>Telephone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name of performance verifier</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Location of performance verifier</td>
<td>Telephone</td>
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<td>Verifying period</td>
<td>Person in charge</td>
<td></td>
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<tr>
<td>Performance Certification No.</td>
<td>Certification authority</td>
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<td>Verification category</td>
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<tr>
<td>☐ earthquake-proof</td>
<td>☐ environment-proof</td>
<td></td>
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</tr>
<tr>
<td>☐ electromagnetic wave</td>
<td></td>
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<tr>
<td>Verification method</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐ test</td>
<td>☐ interpretation</td>
<td>☐ test+interpretation</td>
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<tr>
<td>☐ experience</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Name of supplier</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td>Telephone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delivery deadline</td>
<td>Person in charge</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note 1) If the contractor actually perform the equipment qualification, it is required to separately submit the details for all verification items.

Note 2) If there are 2 or more contract items in the same contract, it is required to separately submit the details.

I, hereby, declare the above information under Article 15.2, 「Nuclear Safety Act」 and the Enforcement Rule, Article 14.2.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

<table>
<thead>
<tr>
<th>Attachments</th>
<th>Procedure</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Documents proving the contract (including Specification of Contract Subjects)</td>
<td>Fill out the Declaration</td>
<td>Register the Declaration</td>
</tr>
<tr>
<td>2. Equipment Qualification Plan</td>
<td>Applicant</td>
<td>Nuclear Safety and Security Commission</td>
</tr>
</tbody>
</table>

No fees

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Enforcement Regulation of the Nuclear Safety Act [Attached Form 8-4] <New, enacted on 11/24/2014>

**Safety Equipment** [ ] Design  ·  Manufacture [ ] Qualification  

**Contract Declaration**

※ DO NOT fill columns with dark backgrounds.

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>immediately</th>
</tr>
</thead>
</table>

### Applicant

- Name of Corporation: Business License Number
- Location: Telephone
- Representative name: Date of birth
- Department Responsible: Person in charge

### Details

- **Manufacture**
- **Design**
- **Subcontract**

- Title of contract
- Contract item: Date of contract
- Contract No.: Pertinent nuclear reactor facilities
- Unit No. (or Name of System/Unit)
- Quality rating: Safety rating
- Name of contractor: Telephone
- Name of supplier: Telephone
- Address: Telephone
- Delivery deadline: Person in charge

### Changes

- Details
- Reasons

「I, hereby, declare the above information under Article 15.2, 「Nuclear Safety Act」 and the Enforcement Rule, Article 14.2.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

---

**To the Nuclear Safety and Security Commission**

---

| Attachments | One (1) original copy of documents proving the changes | No fees |

### Procedure

- Fill out the Declaration ➔ Register the Declaration

Declarant: Nuclear Safety and Security Commission

---

210mm × 297mm [Wood free paper 80g / m² (recycling)]
**Application for Equipment Qualification Management Agency**

DO NOT fill columns with dark backgrounds.

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>Applicant</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Name of Corporation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Representative name</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Location</td>
</tr>
</tbody>
</table>

Purpose of foundation

Date of foundation


Name of Applicant

(Year) (Month) (Date) (signature or seal)

To the Nuclear Safety and Security Commission

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Matters to be confirmed by The Nuclear Safety and Security Commission</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1. One (1) original copy of articles of association (for only a corporation or group)</td>
</tr>
<tr>
<td></td>
<td>2. One (1) original copy of documents stating the current status of the corporation or group</td>
</tr>
<tr>
<td></td>
<td>3. One (1) original copy of documents proving dedicated organizations and personnel</td>
</tr>
<tr>
<td></td>
<td>4. One (1) original copy of operating rules for equipment qualification agencies</td>
</tr>
<tr>
<td></td>
<td>5. One (1) original copy of equipment qualification plans</td>
</tr>
<tr>
<td></td>
<td>6. Other necessary documents for the designation process</td>
</tr>
<tr>
<td></td>
<td>Certification of Corporate Registration</td>
</tr>
</tbody>
</table>

No fees

Agreement on Shared Use of Administrative Information

With regard to processing this document, I agree on the confirmation of above details by Nuclear Safety and Security Commission through shared use of administrative information by Nuclear Safety Commission, under Article 36.1. *If the applicant does not agree, he is required to submit necessary documents.*

(signature or seal)

**Procedure**

<table>
<thead>
<tr>
<th>Application</th>
<th>Receipt</th>
<th>Review</th>
<th>Assessment</th>
<th>Approval</th>
<th>Announcement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Nuclear Safety and Security Commission</td>
<td>Applicant</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
No.

Equipment Qualification Agency Designation

1. Name of Corporation: (Resident Registration Number:)

2. Representative: (Date of birth)

3. Location:

4. Service Scope:

We designate the above corporation as a Equipment Qualification Agency, under Article 15.4.1, 「Nuclear Safety Act」.

(Year) (Month) (Date)

The Nuclear Safety and Security Commission

STAMP
Application for Pre-operational Inspection

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>24 months</th>
</tr>
</thead>
</table>

**Applicant**

- Main Office Name
- Name of Representative
- Main Office Address
- Business Place Name
- Business Place Name Location

**Application contents**

- Schedule of Construction
- Facilities Time Place of Desired Inspection
- Maximum Thermal Output
- Increasing Plan till Maximum Thermal Output
- Planned Timing of Commencement of Operation of Reactor Facilities
- Contents and Methods of Self-Inspection on Construction and Performance

I hereby apply for pre-operational inspection of reactor facilities in accordance with Article 16 (1) of the Act, Article 8 of the Decree and Article 15 of the Regulation.

(Year) (Month) (Date)

Name of Applicant

(signature or seal)

To the Nuclear Safety and Security Commission

**Attached Documents**

None

**Fee**

None

**process of disposal**

- Preparation for Application
- Receipt
- Document Review
- In-situ Inspection/Measurement of Inspection Result
- Notification

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Report Form for Succession of Position

The area in gray needs not be filled by the applicant. Please check off [ ] where applicable.

<table>
<thead>
<tr>
<th>Receipt No.</th>
<th>Date of receipt</th>
<th>Processing period</th>
<th>7 days</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Predecessor

<table>
<thead>
<tr>
<th>Head office</th>
<th>Name</th>
<th>Business Registration No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CEO</td>
<td>Resident Registration No.</td>
</tr>
<tr>
<td></td>
<td>Address</td>
<td>Phone</td>
</tr>
</tbody>
</table>

Business establishment

<table>
<thead>
<tr>
<th>Name</th>
<th>Business Registration No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Phone</td>
</tr>
</tbody>
</table>

Successor

<table>
<thead>
<tr>
<th>Head office</th>
<th>Name</th>
<th>Business Registration No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CEO</td>
<td>Resident Registration No.</td>
</tr>
<tr>
<td></td>
<td>Address</td>
<td>Phone</td>
</tr>
</tbody>
</table>

Business establishment

<table>
<thead>
<tr>
<th>Name</th>
<th>Business Registration No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Phone</td>
</tr>
</tbody>
</table>

Position to be succeeded

<table>
<thead>
<tr>
<th>Nuclear power reactor installer</th>
<th>Nuclear fuel charging business operator</th>
<th>Business agent Radioactive waste control facility, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuclear power reactor operator</td>
<td>Nuclear fuel material user</td>
<td>Business agent Radioactive waste control facility, etc.</td>
</tr>
<tr>
<td>Research nuclear reactor installer &amp; operator</td>
<td>Permitted user ⋅ Reported user</td>
<td>Dosimeter reader</td>
</tr>
</tbody>
</table>

Description

<table>
<thead>
<tr>
<th>Permission</th>
<th>Designation</th>
<th>Registration</th>
<th>Report</th>
<th>Reason for Succession</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[ ] Transfer  [ ] Inheritance [ ] Merger</td>
</tr>
</tbody>
</table>

I hereby report the succession of position as described above in accordance with Articles 19, 29, 34, 44, 51, 62, 69, and 83 of the Nuclear Safety Act and Articles 15-2, 24, 30, 39, 43, 48, 55, 86, 97, and 115 of the Enforcement Rule of the Act.

(Date)

Reported by (signature or seal)

Respectfully addressed to Nuclear Safety and Security Commission

Attachments

See the back

Matters to be checked by the Nuclear Safety and Security Commission

See the back

No fees

210mm × 297mm [wood-free printing paper 80g/m²]
### Enforcement Rule of the Nuclear Safety Act

**Attachments**

1. One copy of the permit, designation certificate, registration certificate or report confirmation certificate for the position to be succeeded;
2. One copy of each document listed hereunder that provides proof of the succession of position:
   A. Transfer of business: A copy of the business transfer contract and a copy of the resolution of the General Assembly or Board of Directors regarding the business transfer (applicable only to corporate bodies);
   B. Succession by inheritance: Family Relations Certificate defined in Article 15 (1) 1 of the Act on the Registration, etc. of Family Relationships and a document providing that the person is the inheritor;
   C. Merger: A copy of the merger contract and a copy of the resolution of the General Assembly or Board of Directors regarding the merger.

**Matters to be checked by the Nuclear Safety and Security Commission**

- Corporate registration certificate (applicable only to corporate bodies)

### Consent to the use of the Public Information Sharing System (PISS)

I hereby provide my consent for the Nuclear Safety and Security Commission to check the matters prescribed as the “matters to be checked by the Nuclear Safety and Security Commission” through the use of the Public Information Sharing System (PISS) in accordance with Article 36 (1) of the Electronic Government Act in relation to the processing of this case.

* Applicants who do not provide the above consent must directly submit the documents.

Reported by (signature or seal)

### Consent to the Collection, Use and Provision of Personal Information

I hereby provide my consent for the Nuclear Safety and Security Commission to collect, use, provide and utilize my personal information for the purpose of examining the facts, etc. necessary for the report of the succession of position in accordance with Articles 15, 17, 24 and 24-2 of the Personal Information Protection Act.

Reported by (signature of seal)

---

### Processing Procedure

<table>
<thead>
<tr>
<th>Preparation of a report ➔ Receipt</th>
<th>Document review and notification ➔ Confirm the result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reporting individual</td>
<td>Nuclear Safety and Security Commission</td>
</tr>
<tr>
<td></td>
<td>Applicant</td>
</tr>
</tbody>
</table>

210mm × 297mm [wood-free printing paper 80g/m²]
### Enforcement Rule of the Nuclear Safety Act

<table>
<thead>
<tr>
<th>Application for License of Operation of Nuclear Reactor Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Receipt No.</strong></td>
</tr>
<tr>
<td>Name of head office</td>
</tr>
<tr>
<td>Representative</td>
</tr>
<tr>
<td>Address of head office</td>
</tr>
<tr>
<td>Name of business place</td>
</tr>
<tr>
<td>Address of business place</td>
</tr>
</tbody>
</table>

**Details of application**
- Planned date for starting operation of nuclear reactor facility
- Plan to charge nuclear fuel

We hereby apply for a license of a nuclear reactor facility as above pursuant to Article 20 (1) of the Nuclear Safety Act and Article 33 (1) of its Enforcement Decree, and Article 16 of its Enforcement Rules.

**Date:**

Applicant (sign or seal impression)

**To the Nuclear Safety and Security Commission**

1. 5 copies of the technical specifications of the nuclear reactor and the related facilities (3 copies in the case of digital media containing the same contents).
2. 15 copies of the report on the final safety analysis (3 copies in the case of digital media containing the same contents).
3. 5 copies of the accident management program (3 copies in the case of digital media containing the same contents).
4. 5 copies of the operational quality warranty plan (3 copies in the case of digital media containing the same contents).
5. 5 copies of the radiation environment impact assessment report (only those parts that differ from the radiation environment impact assessment report submitted pursuant to Article 10 (2) of the Nuclear Safety Act; 3 copies in the case of digital media containing the same contents should be submitted).
6. 5 copies of the disassembly plan (only those parts that differ from the radiation environment impact assessment report submitted pursuant to Article 10 (2) of the Nuclear Safety Act; 3 copies in the case of digital media containing the same contents should be submitted).
7. 5 copies of the plan for discharge of radioactive materials in liquid and gas forms [including the total discharge volume by site, period, and nuclides] (3 copies in the case of digital media containing the same contents should be submitted).
8. 5 copies of the written description of technical capabilities for the operation of nuclear reactors prepared based on the guidelines determined and published by the Commission (2 copies in the case of digital media containing the same contents).
9. 5 copies of the plan for charging nuclear fuel (2 copies in the case of digital media containing the same contents).

**Fee**
- Enforcement Rules of the Nuclear Safety Act
- See attached Table 8 below.

**Documents to be attached**
- See attached Table 8 below.

**Processing procedure**

<table>
<thead>
<tr>
<th>Application prepared</th>
<th>→</th>
<th>Received</th>
<th>→</th>
<th>Documents reviewed</th>
<th>→</th>
<th>Permit certificate prepared and issued</th>
<th>→</th>
<th>Permit certificate received</th>
</tr>
</thead>
</table>

210mm × 297mm [wood-free printing paper 80g/m² (recycled)]
Application for Pre-operational Inspection

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>24 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Main Office Name</td>
<td>Telephone</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Name of Representative</td>
<td>Resident Registration Number</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Main Office Address</td>
<td></td>
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<td></td>
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<tr>
<td></td>
<td>Business place Name</td>
<td></td>
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<tr>
<td></td>
<td>Business place Location</td>
<td>Telephone</td>
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<tr>
<td>Application contents</td>
<td>Contents of Change</td>
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</tr>
<tr>
<td></td>
<td>Reasons for Change</td>
<td></td>
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</tr>
</tbody>
</table>

I hereby apply for a change of operating license of reactor facilities in accordance with Article 20 (1) of the Act, Article 34 of the Decree and Article 17 of the regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents
1. 3 copies of each document related to change, among the documents attached to an application for an operating license (2 copies in case electronic files with same contents are submitted)
2. 1 copies of operating license

fee : In accordance with Table 8 of the Regulation

<table>
<thead>
<tr>
<th>process of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation for Application</td>
</tr>
<tr>
<td>Applicant</td>
</tr>
</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Periodic Inspection

<table>
<thead>
<tr>
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<th>processing date</th>
<th>processing period</th>
<th>24 months</th>
</tr>
</thead>
<tbody>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Main Office Name</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name of Representative</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Main Office Address</td>
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<td></td>
</tr>
<tr>
<td>Business place Name</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Business place Location</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Application contents

Facilities to be Inspected

Desired Period of Inspection

I hereby apply for a periodic inspection on the performance of (reactor facilities / research reactor facilities, etc.) in accordance with Article (22 (1) / 34) of the Act, Article (35 (1) / 47) of the Decree and Article (19 / 30) of the Regulation.

(Date) (Month) (Year)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. copies of maintenance and test program containing each of the items provided in each subparagraph
2. Major maintenance information of Facilities to inspect
3. Test plan according to Technical specifications and Final Safety Analysis Report
4. Nuclear fuel and Characteristics test plan of the reactor according to Replacing the core safety analysis
5. Major Milestone of test and maintenance

fee : In accordance with Table 8 of the Regulation

process of disposal

Preparation for Application ➔ Receipt ➔ Document Review ➔ In-situ Inspection/ Measure of Inspection Result ➔ Check the results

Applicant ➔ Nuclear Safety and Security Commission ➔ Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
**Application for Approval of Disassembly of Nuclear Reactor Facility**

<table>
<thead>
<tr>
<th>Receipt No.</th>
<th>Date received</th>
<th>Date processed</th>
<th>processing period</th>
<th>24 months</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Name of head office</td>
<td>Phone No.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Representative</td>
<td>Date of birth</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Address of head office</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Name of business place</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Address of business place</td>
<td>Phone No.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

We hereby submit this application for approval of the disassembly of a nuclear reactor facility pursuant to Article 28 (1) of the Nuclear Safety Act and Article 22 (1) of its Enforcement Rules.

Date: 

Applicant (signature or seal)

**To the Nuclear Safety and Security Commission**

Documents to be attached:
1. 5 copies of the plan for the final disassembly of the nuclear reactor facility (two copies in the case of digital media containing the same contents).
2. 5 copies of the operational quality warranty plan in relation to disassembly (two copies in the case of digital media containing the same contents).
3. 5 copies of the documents concerning opinions notified under Article 144 (2) of the Decree (two copies in the case of digital media containing the same contents should be submitted).
4. The outcome of the hearing of opinions based on the latter part of Article 145 (5) of the Decree or the outcome of the public hearing held pursuant to Article 145 (6) of the Decree (two copies in the case of digital media containing the same contents should be submitted).

Processing procedure:

<table>
<thead>
<tr>
<th>Application re-prepared</th>
<th>Received</th>
<th>Documents reviewed</th>
<th>Notification on decision on approval/non approval</th>
<th>Outcome checked</th>
</tr>
</thead>
</table>

210mm × 297mm [wood-free printing paper 80g/m² (recycled)]

Application for Approval of Modified Disassembly of Nuclear Reactor Facility

<table>
<thead>
<tr>
<th>Receipt No.</th>
<th>Date received</th>
<th>Date processed</th>
<th>Processing period 12 months</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Applicant

Name of head office
Representative
Address of head office
Name of business place
Address of business place

Phone No.
Date of birth

Details of application
Details of modification

We hereby submit this application for approval of the modified disassembly of a nuclear reactor facility pursuant to Article 28 (1) of the Nuclear Safety Act and Article 22 (2) of its Enforcement Rules.

Date:

Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Documents to be attached
5 copies of a table comparing before/after modification among the documents to be attached to the application for an approval of disassembly pursuant to Article 22 (1) of the Enforcement Rules of the Nuclear Safety Act (two copies in the case of digital media containing the same contents should be submitted).

Fee: None

Processing procedure

Application reprepared ➔ Received ➔ Documents reviewed ➔ Permit certificate prepared and issued ➔ Permit certificate received

Applicant

Nuclear Safety and Security Commission
Nuclear Safety and Security Commission
Nuclear Safety and Security Commission
Applicant

210mm × 297mm [wood-free printing paper 80g/m² (recycled)]
Report on Complete Disassembly of Nuclear Reactor Facility

Received by

Name of head office
Representative
Address of head office
Name of business place
Address of business place

Date received
Date processed
Processing period
12 months

Details reported

1. Disassembly strategy and history
2. State of nuclear reactor facilities and site before and after disassembly
3. Final status of radiation and radioactivity of nuclear reactor facilities and site, and radioactive waste management
4. Radiation exposure dose of workers who participated in disassembly
5. Any abnormal event that occurred during the disassembly process

※ Additional pages may be used.

We hereby submit this report on our completion of the disassembly of a nuclear reactor facility pursuant to Article 28 (4) of the Nuclear Safety Act and Article 23-33 of its Enforcement Rules.

Date:

Reported by

To the Nuclear Safety and Security Commission

Documents to be attached

1 copy of final site status report

Fee:

None

Processing procedure

Report prepared ➔ Received ➔ Documents reviewed ➔ Notification of decision on acceptance/non acceptance ➔ Permit certificate received

Reported by Nuclear Safety and Security Commission

Nuclear Safety and Security Commission

Nuclear Safety and Security Commission

Reported by

210mm × 297mm [wood-free printing paper 80g/m² (recycled)]
## Enforcement Regulation of the Nuclear Safety Act [Attached Form 15] <Amendment enacted on 11/24/2014>

### Application for Permission of Construction of Nuclear Reactor Facilities (for research, etc.)

※ DO NOT fill columns with dark backgrounds.

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>24 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Name of Company</td>
<td>Telephone</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Representative name</td>
<td>Resident Registration Number</td>
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<td></td>
<td>Location of Company</td>
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<td>Name of Division</td>
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<tr>
<td></td>
<td>Location of Division</td>
<td>Telephone</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Application details</th>
<th>Purpose of use</th>
<th>Type of nuclear reactor • thermal output • number of units • country of origin • manufacturer and year of manufacture</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nuclear reactor facilities construction plans</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Types of nuclear fuel materials to be used, prospected amount of use and acquisition plans</td>
<td></td>
</tr>
<tr>
<td></td>
<td>How to treat and manage the fuels after use</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cost and procurement plans for the nuclear reactor facilities construction project</td>
<td></td>
</tr>
</tbody>
</table>

I, hereby, apply for permission of the construction of nuclear reactor facilities including research, under Article 30.1, 「Nuclear Safety Act」 and the Enforcement Rule, Article 43.1 and 25.

Applicant

To the Nuclear Safety and Security Commission

Applicant Documents

1. 5 copies of Statement of Radiation's Environmental Impact Assessment
2. 15 copies of Preliminary Safety Analysis Report
3. 5 copies of QA Plan for construction
4. 5 copies of descriptions of Purpose of Use of nuclear reactors for research
5. 5 copies of descriptions of technical capacity for nuclear reactor facilities for research, written in accordance with the announcement of the Commission
6. One (1) original copy of Articles of Association (for only corporations)

For the same electronic media which cover No.1 to 5, it is required to submit 2 copies of them.

The Nuclear Safety and Security Commission

Corporate Registration Certificate

### Agreement on Shared Use of Administrative Information

With regard to processing this document, I agree on the confirmation of above details by Nuclear Safety and Security Commission on through shared use of administrative information by Nuclear Safety Commission, under Article 36.1. *If the applicant does not agree, he is required to submit necessary documents.

Applicant

### process of disposal

<table>
<thead>
<tr>
<th>Preparation for Application</th>
<th>Receipt</th>
<th>Documents Review</th>
<th>Documents Review/Notification</th>
<th>Check the results</th>
</tr>
</thead>
</table>

210mm × 297mm [Wood free paper 80g / ㎡ (recycling)]
Enforcement Rule of the Nuclear Safety Act

Application for Operation Permission for Nuclear Reactor Facilities (for research, etc.)

※ DO NOT fill columns with dark backgrounds.

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing 24 months date</th>
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</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Name of Company</td>
<td>Telephone</td>
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<tr>
<td></td>
<td>Representative name</td>
<td>Resident Registration Number</td>
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<td>Location of Company</td>
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<td>Name of Division</td>
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<tr>
<td></td>
<td>Location of Division</td>
<td>Telephone</td>
<td></td>
</tr>
<tr>
<td>Application details</td>
<td>Scheduled time to run the nuclear facility</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nuclear fuel loading plan</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I, hereby, apply for operation permission of nuclear reactor facilities (for research, etc.) in accordance with Article 30.2.1, 「Nuclear Safety Act」 and the Enforcement Ordinance, Article 43.1 and Enforcement Rule, Article 25.

(Applicant)

To the Nuclear Safety and Security Commission

Attached Documents

1. 5 copies of technical specifications for nuclear reactor facilities including research
2. 15 copies of a final Safety Analysis Report
3. 5 copies of a quality assurance plan
4. 5 copies of Statement of Radiation's Environmental Impact Assessment (limited to only the parts different from the statement submitted under Article 10.2, 「Nuclear Safety Act」)
5. 5 copies of technical capacity descriptions on operation of nuclear reactors, written in accordance with the guideline specified by the Commission
6. 5 copies of descriptions of nuclear fuel loading procedure
7. 5 copies of descriptions of technical grounds and qualification methods to be applied to Emergency Operation Procedure

 ※ For the same electronic media which cover No.1 to 7, it is required to submit 3 copies of them.

Fees charged under Table 8, 「Nuclear Safety Act Enforcement Rules」.

Agreement on Shared Use of Administrative Information

With regard to processing this document, I agree on the confirmation of above details by Nuclear Safety and Security Commission through shared use of administrative information by Nuclear Safety Commission, under Article 36.1. *If the applicant does not agree, he is required to submit necessary documents.

(Applicant)

process of disposal

<table>
<thead>
<tr>
<th>Preparation for Application</th>
<th>Receipt</th>
<th>Documents Review</th>
<th>Documents Review/Notification</th>
<th>Check the results</th>
</tr>
</thead>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Construction Change Permission for Nuclear Reactor Facilities (for research, etc.)

※ DO NOT fill columns with dark backgrounds.

<table>
<thead>
<tr>
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<th>processing date</th>
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<td></td>
<td>Representative name</td>
<td>Resident Registration Number</td>
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<td>Location of Division</td>
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<tr>
<td>Application details</td>
<td>Changes</td>
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<td>Reasons</td>
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<td></td>
<td>If there is a work required from this Change Permission, the work plan</td>
<td></td>
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</tr>
</tbody>
</table>

I, hereby, apply for permission of construction change for nuclear reactor facilities (for research, etc.) in accordance with Article 30.1, 「Nuclear Safety Act」 and the Enforcement Ordinance, Article 44 and Enforcement Rule, Article 26.

(Year) (Month) (Date)

Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. 3 copies of statements of before- and after-change comparisons, respectively, out of Attachments of Construction Permission Application (For a same electronic medium containing same details, 2 copies of it)
2. One (1) original copy of Permission

Fees charged under Table 8, 「Nuclear Safety Act Enforcement Rules」.

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review ➔ Documents Review/ Notification ➔ Check the results

Applicant

Nuclear Safety and Security Commission

Nuclear Safety and Security Commission

Nuclear Safety and Security Commission

Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
**Application for Operation Change Permission for Nuclear Reactor Facilities (for research, etc.)**

* DO NOT fill columns with dark backgrounds.

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing date</th>
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<thead>
<tr>
<th>Application details</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Reasons</td>
</tr>
</tbody>
</table>

I, hereby, apply for permission of operation change for nuclear reactor facilities (for research, etc.) in accordance with Article 30.1, 「Nuclear Safety Act」 and the Enforcement Ordinance, Article 44 and Enforcement Rule, Article 26.

(Year) (Month) (Date)

Applicant (signature or seal)

To the Nuclear Safety and Security Commission

**Attached Documents**

1. 3 copies of statements of before- and after-change comparisons, respectively, out of Attachments of Operation Permission Application (For a same electronic medium containing same details, 2 copies of it)

2. One (1) original copy of Operation Permission

**Fee charged under Table 8, 「Nuclear Safety Act Enforcement Rules」**

**Process of disposal**

<table>
<thead>
<tr>
<th>Preparation for Application</th>
<th>Receipt</th>
<th>Documents Review</th>
<th>Documents Review/ Notification</th>
<th>Check the results</th>
</tr>
</thead>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
# Enforcement Regulation of the Nuclear Safety Act  [Attached Form 17]

## Entry or Departure Report of Foreign Nuclear-Powered Ships

<table>
<thead>
<tr>
<th>receipt number</th>
<th>Main Office</th>
<th>Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reporter</td>
<td>Name of Representative</td>
<td>Date of Birth</td>
</tr>
<tr>
<td>Name, Number and Nationality of Foreign Nuclear-Powered Ship</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name of the Port of Entry or Departure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date of Entry or Departure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height of the Waterline inside or around the Port</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sea Route inside or around the Port</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location of Anchorage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thermal Output of Reactor for a Period from 24 hours before the Entry till Departure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preparation of Hydrographic Guider</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preparation for Tugboat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Actions of the Nuclear-Powered Ship in case of Emergency Inside or Around the Port</td>
<td></td>
<td></td>
</tr>
<tr>
<td>In Cases Where Solid of Liquid Radioactive Waste is Disposed inside or around the Port, Its Disposal Method</td>
<td></td>
<td></td>
</tr>
<tr>
<td>In Cases Where Construction of Nuclear Reactor Facilities is Conducted inside the Port, the Construction Method</td>
<td></td>
<td></td>
</tr>
<tr>
<td>In Cases Where Nuclear Fuel Assemblies are Loaded on the Reactor or Spent Fuels are Taken out of the Reactor inside the Port, Its Method</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I hereby file a report on the entry or departure of foreign nuclear-powered ship in accordance with the Article 31 (1) of the Act, Article 45 (1) of the Decree and Article 27 of the regulation.

(Year) (Month) (Date)

Name of Reporter (signature or seal)

To the Nuclear Safety and Security Commission

---

<table>
<thead>
<tr>
<th>Attached Documents</th>
<th>None</th>
<th>Fee : None</th>
</tr>
</thead>
</table>

**process of disposal**

<table>
<thead>
<tr>
<th>Preparation for Application</th>
<th>Receipt</th>
<th>Documents Review</th>
<th>In-situ Inspection/Notification</th>
<th>Check the result</th>
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</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Nuclear Safety and Security Commission</td>
<td>Applicant</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

210mm × 297mm [Wood free paper 80g / ㎡ (recycling)]
Report on Change of Entry or Departure Report of Foreign Nuclear-Powered Ships

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>20 days</th>
</tr>
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<tbody>
<tr>
<td>Reporter</td>
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<td>Telephone</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Name of Representative</td>
<td>Date of Birth</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Address</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Report contents</td>
<td>Name, Number and Nationality of Foreign Nuclear-Powered Ship</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Name of the Port of Entry or Departure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contents of Change</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reasons for Change</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I hereby file a report on change of entry or departure report of foreign nuclear-powered ship in accordance with the Article 31 (1) of the Act, Article 45 (2) of the Decree and Article 28 of the regulation

(Year) (Month) (Date)

Name of Reporter (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents | None

Fee : None

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review ➔ In-situ Inspection/ Notification ➔ Check the result

210mm × 297mm [Wood free paper 80g / ㎡ (recycling)]
Enforcement Regulation of the Nuclear Safety Act (Attached Form 19)

Project declaration [ ] suspended [ ] closed [ ] resumed

<table>
<thead>
<tr>
<th>Receipt No.</th>
<th>Date received</th>
<th>Date processed</th>
<th>processing period</th>
<th>24 months</th>
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</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

Declared by

- Name of head office
- Representative
- Address of head office
- Name of business place
- Address of business place
- Phone No.
- Date of birth

Details declared

- Date of construction permit or operation license for research nuclear reactor facility
- Date of Suspension, Termination or Resumption of Project
- Reason for Suspension, Termination or Resumption of Project

We hereby submit this report on our suspension, termination or resumption of a project for the construction or operation of a research nuclear reactor facility pursuant to Article 33 of the Nuclear Safety Act and Article 29 of its Enforcement Rules.

Date:

Declared by

(signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents None

Fee:

None

Processing procedure

- Declaration form prepared
- Received
- Documents reviewed
- Notification of review outcome
- Permit certificate received


210mm × 297mm [wood-free printing paper 80g/m² (recycled)]
## Enforcement Regulation of the Nuclear Safety Act [Attached Form 20]

### Application for a Permit for Refining Business

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>24 months</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
<tr>
<td>Main Office Name</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name of Representative</td>
<td></td>
<td>Resident Registration Number</td>
<td>Date of Birth</td>
<td></td>
</tr>
<tr>
<td>Main Office Address</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business place Name</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business place Location</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Application contents**

<table>
<thead>
<tr>
<th>Production Items and Planned Annual Production Volume</th>
<th>Planned Timing of Production</th>
</tr>
</thead>
</table>

I hereby apply for a permit to conduct refining business in accordance with the Article 35 (1) of the Act, Article 48 of the Decree and Article 31 of the Regulation.

(Year) (Month) (Date)

Name of Applicant

(signature or seal)

**To the Nuclear Safety and Security Commission**

### Attached Documents

1. 3 copies of business plan containing each item provided for in Article 35 (2) 1 of the Regulation (2 copies in case electronic files with same contents are submitted)
2. 2 copies of explanatory statement on the technical capabilities containing each item provided for in Article 35 (2) 2 of the Regulation
3. 2 copies of documents on the location, structure, equipment of refining facilities and refining processing
4. 2 copies of documents on the construction plan of refining facilities
5. 1 copy of articles of corporation (in the case of a juridical person only)
6. 3 copies of radiation environmental report (2 copies in case electronic files with same contents are submitted)
7. 3 copies of quality assurance program on the operation of the refining business (2 copies in case electronic files with same contents are submitted)
8. 3 copies of safety control regulations containing each item provided for in Article 35 (2) 8 of the Regulation (2 copies in case electronic files with same contents are submitted)
9. A explanatory statement about design and construction method

**Fee**: In accordance with Table 8 of the Regulation

### Matters to be confirmed by The Nuclear Safety and Security Commission

Certificate of Corporate Registration

### Process of disposal

- Preparation for Application ➔ Receipt ➔ Documents Review ➔ Preparation and Issue for Permit Certificate ➔ Receipt of Permit Certificate

Applicant ➔ Nuclear Safety and Security Commission ➔ Applicant

210mm × 297mm [Wood free paper 80g/m² (recycling)]
Ref. No

Certificate of License for Refining (Processing) Radioactive Materials

1. Corporate name:

2. Address:

3. Representative: (Date of birth: )

4. Name of business place:

5. Business place location:

6. Details licensed:

7. License conditions:

We hereby license your business of refining (processing) radioactive materials pursuant to Article 35 (1) of the Nuclear Safety Act.

Date:

The Nuclear Safety and Security Commission

STAMP
Application for Change Permit of Refining Business

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>24 months</th>
</tr>
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<tbody>
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<td>Applicant</td>
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<td></td>
</tr>
<tr>
<td>Main Office</td>
<td>Name</td>
<td>Telephone</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Name of Representative</td>
<td>Resident Registration Number</td>
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<tr>
<td></td>
<td>Address</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Place</td>
<td>Name</td>
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</tr>
<tr>
<td></td>
<td>Location</td>
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<tr>
<td>Application contents</td>
<td>Contents of Change</td>
<td>Reasons for Change</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I hereby apply for change permit of refining business in accordance with Article 35 (1) of the Act, Article 49 of the Decree and Article 32 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. 3 copies of each of documents related with change (2 copies in case electronic files with same contents are submitted)
2. A copies of the certificate of permit

fee : In accordance with Table 8 of the Regulation

<table>
<thead>
<tr>
<th>process of disposal</th>
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</thead>
<tbody>
<tr>
<td>Preparation for Application</td>
</tr>
<tr>
<td>Applicant</td>
</tr>
</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Inspection of Nuclear Fuel Cycle Facilities

[ ] Periodic [ ] Facilities [ ] Pre-Operational

<table>
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<tr>
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<th>receipt number</th>
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<td>Date of Birth</td>
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<td>Telephone</td>
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<tr>
<td>Facilities to be inspected and Scope thereof</td>
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<tr>
<td>Desired Period of Inspection</td>
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<tr>
<td>Planned Time of Commencement of Use</td>
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</tbody>
</table>

I hereby apply for a [periodic / facilities / pre-operational] inspection of the nuclear fuel cycle facilities in accordance with Article 37 (1) of the Act, Article (50 / 55 / 58 / 63 / 65) of the Decree and Article (31 / 38 / 39 / 42 / 43) of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. For periodic inspection:
   a. major maintenance details of each facility subject to inspection
   b. inspection/check schedule
2. For facilities inspection or pre-operational inspection:
   documents regarding construction schedule

Fee: None

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review ➔ In-situ Inspection ➔ Measure of Inspection Result ➔ Notification

Applicant: Nuclear Safety and Security Commission

210mm × 297mm [Wood free paper 80g / ㎡ (recycling)]
has been deleted. <21/07/2015>
Enforcement Regulation of the Nuclear Safety Act [Attached Form 25]

has been deleted. <21/07/2015>
## Enforcement Regulation of the Nuclear Safety Act

### Nuclear power related business declaration

<table>
<thead>
<tr>
<th>Receipt No.</th>
<th>Date received</th>
<th>Date processed</th>
<th>processing period</th>
<th>24 months</th>
</tr>
</thead>
</table>

**Declared by**

- **Head office**
  - Name
  - Phone No.
  - Name in full of representative
  - Date of birth
  - Address
- **Place of business**
  - Name
  - Address

**Declaration details**

- **Types of nuclear power related business / service**
  - [ ] Nuclear fuel cycling
  - [ ] Use of radioactive isotopes
  - [ ] Construction or operation of facilities for managing radioactive wastes
- **Use of radioactive materials**
- **Business agent for the use of radioisotopes, etc.**
- **Reading service**

- **Date of licensing of business or registration of reading service**
- **Date of commencement, suspension, closure or resumption of business**
- **Reason for commencement, suspension, closure or resumption of project**

We hereby declare our commencement, suspension, closure or resumption of [ ] nuclear power related business or [ ] dosimeter reading service pursuant to Article 43, 51, 62, 69, or 83 of the Nuclear Safety Act and Article 38, 43, 48, 55, 86, 97 or 115 of its Enforcement Rules as above.

**Date:**

Declared by (sign or seal)

---

**To the Nuclear Safety and Security Commission**

### Attached Documents

- None

- **Fee:** None

### Processing procedure

1. Declaration form prepared
2. Received by Nuclear Safety and Security Commission
3. Documents reviewed by Nuclear Safety and Security Commission
4. Notification of review outcome by Nuclear Safety and Security Commission
5. Permit certificate received

210mm × 297mm [wood-free printing paper 80g/m² (recycled)]
Application for a Permit of Fabrication Business

I hereby apply for a permit to conduct fabrication business in accordance with Article 35 (1) of the Act, Article 53 (1) of the Decree and Article 40 of the Regulation.

(Year) (Month) (Date)

Name of Applicant

(signature or seal)

To the Nuclear Safety and Security Commission

1. 3 copies of business plan containing each item provided for in Article 44 (2) 1 of the Regulation (2 copies in case electronic files with same contents are submitted)
2. 3 copies of explanatory statement on the technical capabilities containing each item provided for in Article 40 (2) 2 of the Regulation (2 copies in case electronic files with same contents are submitted)
3. 3 copies of documents on the location, structure, equipment of fabrication facilities and fabrication processing (2 copies in case electronic files with same contents are submitted)
4. 3 copies of documents on the construction plan of fabrication facilities (2 copies in case electronic files with same contents are submitted)
5. 1 copy of articles of corporation
6. 3 copies of radiation environmental report (2 copies in case electronic files with same contents are submitted)
7. 3 copies of quality assurance program on the operation of the fabrication business (2 copies in case electronic files with same contents are submitted)
8. 3 copies of safety control regulations containing each item provided for in Article 40 (2) 8 of the Regulation (2 copies in case electronic files with same contents are submitted)
9. 3 copies of explanatory statement on the design and construction methods (2 copies in case electronic files with same contents are submitted)

fee : In accordance with Table 8 of the Regulation

Attached Documents

Matters to be confirmed by Nuclear Safety and Security Commission

Certificate of Corporate Registration

process of disposal

Preparation for Application

Applicant

Receipt

Documents Review

Preparation for Permit Certificate

Issue of Permit Certificate

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Change of Permit of Fabrication Business

<table>
<thead>
<tr>
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<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>24 months</th>
</tr>
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<td></td>
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<td>Name of Representative</td>
<td>Resident Registration Number</td>
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<td>Address</td>
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<td>Business Place</td>
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<td>Location</td>
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<tr>
<td>Application contents</td>
<td>Contents of Change</td>
<td>Reasons for Change</td>
<td></td>
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</tr>
</tbody>
</table>

I hereby apply for change of permit of fabrication business in accordance with Article 35 (1) of the Act, Article 54 of the Decree and Article 41 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents
1. 3 copies of each of documents related with change, among a permit application documents (2 copies in case electronic files with same contents are submitted)
2. permit for nuclear material fabrication business

fee : In accordance with Table 8 of the Regulation

<table>
<thead>
<tr>
<th>process of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation for Application Applicant</td>
</tr>
<tr>
<td>Receipt of Documents Review</td>
</tr>
</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Designation as a Spent Fuel Processing Business

<table>
<thead>
<tr>
<th>receipt number</th>
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<th>processing date</th>
<th>Start date of the project</th>
</tr>
</thead>
</table>

<table>
<thead>
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<tr>
<td>Name of Representative</td>
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</table>

<table>
<thead>
<tr>
<th>Business Place</th>
<th>Name</th>
<th>Location</th>
</tr>
</thead>
</table>

Facilities and Accessories thereto, Type and Processing Capacity of Spent Fuel

I hereby apply for designation of a spent fuel processing business in accordance with Article 35 (2) of the Act, Article 61 (1) of the Decree and Article 44 of the Regulation.

Name of Applicant (Year) (Month) (Date) (signature or seal)

To: O O O O O O Minister

1. 3 copies of explanatory statement on the purpose of the spent fuel processing business (2 copies in case electronic files with same contents are submitted)
2. 3 copies of business plan containing each item provided for in subparagraph of Article 44 (2) 2 of the Regulation (2 copies in case electronic files with same contents are submitted)
3. 3 copies of explanatory statement on technical capabilities containing items provided for in each subparagraph of Article 44 (2) 3 of the Regulation (2 copies in case electronic files with same contents are submitted)
4. 3 copies of Location, structure, equipment and construction plan of spent fuel processing facilities (2 copies in case electronic files with same contents are submitted)
5. 3 copies of methods of the processing of spent nuclear fuels (2 copies in case electronic files with same contents are submitted)
6. 3 copies of documents on the processing and disposal method of nuclear fuel materials separated from spent fuels (2 copies in case electronic files with same contents are submitted)
7. 3 copies of explanatory statement on the natural conditions of the site where spent fuel processing facilities are to be installed including meteorology, oceanography, geology and geotechnical engineering, hydrologic engineering, and seismology, and social environment thereof and so forth (2 copies in case electronic files with same contents are submitted)
8. 2 copies of a topographical map with a scale of 1 to 200,000 for the area within a twenty-kilometer radius from the center of the planned spent fuel processing facilities and a topographical map with a scale of 1 to 50,000, for the area within a five-kilometer radius from such center
9. 3 copies of explanatory statement on the safety design of spent fuel processing facilities (including the layout of major facilities) (2 copies in case electronic files with same contents are submitted)
10. 3 copies of explanatory statement on the design and construction methods (2 copies in case electronic files with same contents are submitted)
11. 3 copies of explanatory statement on control of radiation exposure resulting from spent fuels and so forth and disposal of radioactive wastes (2 copies in case electronic files with same contents are submitted)
12. 3 copies of explanatory statement on the type, degree, impact and so forth of any potential accident regarding spent fuel processing facilities arising from any subparagraphs of Article 44 (2) 12 of the Regulation (2 copies in case electronic files with same contents are submitted)
13. 1 copy of articles of corporation (only in the case of a corporation)
14. 3 copies of safety control regulations containing each item provided for in subparagraph of Article 44 (4) of the Regulation (2 copies in case electronic files with same contents are submitted)

Certificate of Corporate Registration

Matters to be confirmed by Nuclear Safety and Security Commission

fee : In accordance with Table 8 of the Regulation

<table>
<thead>
<tr>
<th>Matter</th>
<th>Document</th>
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<tbody>
<tr>
<td>Certificate of Corporate Registration</td>
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</tbody>
</table>

process of disposal


 Applicant relevant Minister

210mm × 297mm [Wood free paper 80g / m² (recycling)]

397
Ref. No.

Certificate of Designation as Spent Fuel Processing Enterpriser

1. Name:

2. Address:

3. Representative: (Date of birth:  )

4. Name of business place:

5. Business place location:

6. Details of designation:

7. Designation conditions:

We hereby designate you as a provider of a spent nuclear fuel treatment service pursuant to Article 35 (2) of the Nuclear Safety Act.

Date:

Minister of ________________

Official seal
Application for Approval of Change for Designated Spent Fuel Processing Business

<table>
<thead>
<tr>
<th>receipt number</th>
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<th>processing period</th>
<th>Start date of the project</th>
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<td>Name of Representative</td>
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<td>Business Place</td>
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<td>Location</td>
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</tbody>
</table>

Contents of Change

Reasons of Change

Construction Plan (only in cases where a construction is required)

I hereby apply for an approval of change for designated spent fuel processing business in accordance with the Article 35 (2) of the Act, Article 62 of the Decree and Article 45 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To: O O O O O O Minister

Attached Documents

1. 3 copies of each of documents related with change, among a permit application documents (2 copies in case electronic files with same contents are submitted)
2. certificate of designation

fee : In accordance with Table 8 of the Regulation

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review ➔ Approval ➔ Notification

relevant Minister relevant Minister relevant Minister relevant Minister

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Enforcement Regulation of the Nuclear Safety Act [Attached Form No. 31-2] <Amended on 21 July 2015>

**Application for Approval of Disassembly of Nuclear Fuel Cycling Facility**

<table>
<thead>
<tr>
<th>Receipt No.</th>
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<th>Date processed</th>
<th>Processing period</th>
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</tbody>
</table>

Applicant

- **Head office**
  - Name
  - Name in full of representative
  - Date of birth
  - Address

- **Place of business**
  - Name
  - Address

We hereby submit this application for approval of the disassembly of a nuclear fuel cycling facility pursuant to Article 42 (1) of the Nuclear Safety Act and Article 48-2 (1) of its Enforcement Rules.

**Date:**

**Applicant**

(sign or seal)

**To the Nuclear Safety and Security Commission**

**Documents to be attached**

1. 5 copies of the plan for the final disassembly of a nuclear fuel cycling facility (two copies in the case of digital media containing the same contents).
2. 5 copies of the operational quality warranty plan in relation to disassembly (two copies in the case of digital media containing the same contents).

**Fee**

None

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210mm × 297mm [wood-free printing paper 80g/m² (recycled)]
Application for Approval of Modified Disassembly of Nuclear Fuel Cycling Facility

We hereby submit this application for approval of the modified disassembly of a nuclear fuel cycling facility pursuant to Article 42 (1) of the Nuclear Safety Act and Article 48-2 (2) of its Enforcement Rules.

Date: __________________________

Applicant (sign or seal)

To the Nuclear Safety and Security Commission

Documents to be attached 5 copies of a table comparing before/after modification among the documents to be attached to the application for approval of disassembly pursuant to the items of Article 48-2 (1) of the Enforcement Rules of the Nuclear Safety Act (two copies in the case of digital media containing the same contents should be submitted).

Fee None

Processing procedure

Applicant ➔ Received ➔ Documents reviewed ➔ Decision on approval or not ➔ Notified


210mm × 297mm [wood-free printing paper 80g/m² (recycled)]
### Enforcement Regulation of the Nuclear Safety Act [Attached Form 32]

#### Application for Permit of Use, etc. of Nuclear Fuel Materials

<table>
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<td>Business Place</td>
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<td>Location</td>
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</table>

### Purpose and Method of Use or Possession of Nuclear Fuel Materials

#### Type of Nuclear Fuel Materials

Place of Use or Possession of Nuclear Fuel Materials

Planned Period of Use or Possession of Nuclear Fuel Materials and Annual (Monthly in case of Planned Period less than 1 Year) Use or Possession Quantity

Method of Processing and Disposal of Nuclear Fuel Materials

Location Structure: Equipment of Utilization Facilities

Location Structure: Equipment and Storage Capability of Storage Facilities

I hereby apply for a permit of use or possession of nuclear materials in accordance with the Article 45 of the Act, Article 69 of the Decree and Article 49 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

### To the Nuclear Safety and Security Commission

1. 3 copies of documents evidencing the security of manpower and equipment provided for in Article 72 of the Decree (2 copies in case electronic files with same contents are submitted)

2. 3 copies of safety control regulations containing each item provided for in Article 53 (4) of the Regulation (2 copies in case electronic files with same contents are submitted)

3. 3 copies of explanatory statement on shielding from radiation caused by nuclear fuel materials or materials contaminated thereby (2 copies in case electronic files with same contents are submitted)

4. 3 copies of explanatory statement on processing, storage and discharge facilities of nuclear fuel materials and materials contaminated thereby (2 copies in case electronic files with same contents are submitted)

5. 3 copies of matters related to environmental impact by radiation and environmental protection (2 copies in case electronic files with same contents are submitted)

6. 3 copies of explanatory statement on the type, degree and cause of a potential accident as a result of each of the following and disaster prevention measures in regard to such accident (2 copies in case electronic files with same contents are submitted):
   (a) operational fault
   (b) machinery and equipment failure
   (c) hazards including earthquakes and fires

**Fee:** None

**process of disposal**

<table>
<thead>
<tr>
<th>Preparation for Application</th>
<th>Receipt</th>
<th>Documents Review</th>
<th>Preparation and Issue for Permit Certificate</th>
<th>Receipt of Permit Certificate</th>
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<td>Nuclear Safety and Security Commission</td>
<td>Applicant</td>
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</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Ref. No.

Certificate of License for Use of Radioactive Materials

1. Trade name:

2. Address:

3. Representative; (Date of birth: )

4. Type and quantity of nuclear fuel materials:

5. Purpose of use or possession:

6. Place of use or possession:

7. License conditions:

8. Date licensed:

We hereby license your use and/or possession of nuclear fuel materials pursuant to Article 45 of the Nuclear Safety Act.

Date:

The Nuclear Safety and Security Commission

Official seal
Application for Change of a Permit for Use, etc. of Nuclear Fuel Materials

<table>
<thead>
<tr>
<th>Applicant</th>
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</table>

Application contents

Place of Use or Possession of Nuclear Fuel Materials

Reasons for Change

I hereby apply for change of a permit of use or possession of nuclear fuel materials in accordance with the provisions of Article 45 (1) of the Act, Article 70 of the Decree and Article 50 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents
1. 3 copies of each of documents related with change, among a permit application documents (2 copies in case electronic files with same contents are submitted)
2. Permit for use of nuclear fuel materials

Fee : None

<table>
<thead>
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<th>process of disposal</th>
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</thead>
<tbody>
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<td>Preparation for Application</td>
</tr>
<tr>
<td>Applicant</td>
</tr>
</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Inspection of Use Facilities, etc. of Nuclear Fuel Materials

<table>
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<th>processing period</th>
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<td>Location</td>
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<tr>
<td>Application contents</td>
<td>Scope of Use Facilities, etc. to be Inspected</td>
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<td></td>
<td>Maximum Quantity of Use or Storage of Nuclear Fuel Materials</td>
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<td>Desired Date and Place of Inspection</td>
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</tbody>
</table>

I hereby apply for inspection of use facilities, etc. of nuclear fuel materials in accordance with the provisions of Article 47 (1) of the Act, Article 73 (2) of the Decree and Article 53 (1) of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents: None

Fee: None

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review ➔ In-situ Inspection ➔ Notification about the results of the review ➔ Check the results

Applicant: Nuclear Safety and Security Commission: Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
**Application for Inspection on Change of Construction of Use Facilities for Nuclear Fuel Materials**

<table>
<thead>
<tr>
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<td>Business Place</td>
<td>Name</td>
<td>Location</td>
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<tr>
<td>Application contents</td>
<td>Scope of Use Facilities related to the Work to be Changed</td>
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<td>Maximum Quantity of Use or Storage of Nuclear Fuel Materials</td>
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<tr>
<td></td>
<td>Desired Date and Place of Inspection</td>
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</table>

I hereby apply for change inspection for work of use facilities in accordance with the provisions of Article 47 (1) of the Act, Article 73 (3) of the Decree, and Article 53 (2) of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

None

Fee: None

process of disposal

<table>
<thead>
<tr>
<th>Preparation for Application</th>
<th>Receipt</th>
<th>Documents Review</th>
<th>In-situ Inspection</th>
<th>Notification about the results of the review</th>
<th>Check the results</th>
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</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Periodic Inspection for Use of Nuclear Fuel Materials

<table>
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<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
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<td>Telephone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name of Representative</td>
<td>Date of Birth</td>
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Desired Date of Inspection

Contents and Method of Inspection of Performance

I hereby apply for periodic inspection for use of nuclear fuel materials in accordance with the provisions of Article 47 (1) of the Act, and Article 75 of the Decree and Article 54 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents | None | Fee: None

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review ➔ In-situ Inspection ➔ Notification about the results of the review ➔ Check the results

Applicant Nuclear Safety and Security Commission Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
### Notification on Use of Nuclear Source Materials

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<th>receipt date</th>
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<th>processing period</th>
<th>10 days</th>
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<td>Business Place</td>
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</table>

#### Purpose and Method of Use

#### Kind of Nuclear Source Materials

#### Place of Use

#### Scheduled Period for Use and Yearly Scheduled Quantity of Use (in Case Less than 1 Year, Monthly Scheduled Quantity for Use)

#### Outline of Location, Structure of Facilities and Equipments Related to Use of Nuclear Source Materials

I hereby file a notification as above on the use of nuclear source materials in accordance with the provisions of Article 52 (1) of the Act, Article 77 of the Decree and Article 56 (1) of the Regulation.

(Year) (Month) (Date)

Name of Reporter (signature or seal)

### To the Nuclear Safety and Security Commission

#### Attached Documents

| Attached Documents | None | Fee : | None |

#### process of disposal

| Preparation for Application | Applicant | → | Receipt | Nuclear Safety and Security Commission | → | Documents Review | → | Check the results | Applicant |

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Certificate of Completion of Notification on Use of Nuclear Source Materials

1. Trade name:

2. Address:

3. Representative: (Date of birth: )

4. Type and quantity of nuclear fuel materials:

5. Purpose of use or possession:

6. Place of use or possession:

7. Date of declaration:

This certificate has been issued to confirm that you have duly declared your use of nuclear fuel materials pursuant to Article 52 (1) of the Nuclear Safety Act and Article 56 (3) of its Enforcement Rules.

Date:

The Nuclear Safety and Security Commission

[Official seal]
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<th>Reason for modification or revision</th>
<th>Confirmed (sign or seal impression)</th>
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</table>
Application for Pre-operational Inspection

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</table>

Reporter

- Main Office
  - Name
  - Telephone
  - Name of Representative
  - Date of Birth
  - Address

- Business Place
  - Name
  - Location

Report contents

- Location of Use
- Contents of Change
- Reason of Change

I hereby file a report on the changed use of nuclear source materials in accordance with the provisions of Article 52 (1) of the Act, Article 78 of the Decree and Article 57 of the Regulation.

(Year) (Month) (Date)

Name of Reporter (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. 1 copy of documents evidencing the matters of change.
2. certificate of report

Fee : None

<table>
<thead>
<tr>
<th>process of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation for Application</td>
</tr>
<tr>
<td>Applicant</td>
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</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Enforcement Regulation of the Nuclear Safety Act [Attached Form 41] <Amendment enacted on 11/24/2014>

**Application for radioisotope Production Permission**

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<tbody>
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<td>Applicant</td>
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<td>Department Responsible</td>
<td>Person in charge</td>
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<td>Radiation amount per nuclide produced (sealed source • open source • special radioactive substance)</td>
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</tbody>
</table>

I, hereby, apply for permission of radioactive isotope production, under Article 53.1, "Nuclear Safety Act," the Enforcement Ordinance, Article 79 and Enforcement Rule, Article 58.1.

(Year) (Month) (Date) (signature or seal)

To the Nuclear Safety and Security Commission

1. One (1) original copy of QA Plan under Article 53, "Nuclear Safety Act,"
2. One (1) original copy of Safety Analysis Report containing the details of each clause of Article 58.3, "Nuclear Safety Act Enforcement Rules,"
3. One (1) original copy of Radiation Safety Report containing the details of each clause of Article 58.4, "Nuclear Safety Act Enforcement Rules,"
4. One (1) original copy of Safety Management Rule containing the details of each clause of Article 58.5, "Nuclear Safety Act Enforcement Rules,"
5. One (1) original copy of documents proving the purchase of devices under Table 2 attached to "Nuclear Safety Act Enforcement Ordinance,"
6. One (1) original copy of documents proving the employment of staff required under Table 3 attached to "Nuclear Safety Act Enforcement Ordinance,"
7. One (1) original copy of compensation standards under Article 152.1, "Nuclear Safety Act Enforcement Ordinance,"

Fees charged under, Table 8 attached to "Nuclear Safety Act Enforcement Rules.

Matters to be confirmed by The Nuclear Safety and Security Commission

One (1) original copy of Business License

---

**Agreement on Shared Use of Administrative Information**

With regard to processing this document, I agree on the confirmation of above details by Nuclear Safety and Security Commission through shared use of administrative information by Nuclear Safety Commission, under Article 36.1, "E-Government Act." *If the applicant does not agree, he is required to submit necessary documents.

Applicant (Sign.)

---

**process of disposal**

<table>
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<th>Preparation for Application</th>
<th>Receipt</th>
<th>Documents Review/Notification</th>
<th>Preparation and Issue for Permit Certificate</th>
<th>Receipt of Permit Certificate</th>
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</thead>
</table>
| Applicant Nuclear Safety and Security Commission | Nuclear Safety and Security Commission | Nuclear Safety and Security Commission | Applicant | 210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Radiation Generating Device Production

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<th>receipt number</th>
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<td>Location of Division</td>
<td>Telephone</td>
<td>Department Responsible</td>
<td>Person in charge</td>
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<tr>
<td>Capacities of each type of radiation generating devices to be produced</td>
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</tbody>
</table>

I, hereby, apply for permission of radiation generating device production, under Article 53.1, 「Nuclear Safety Act」, the Enforcement Ordinance, Article 79 and Enforcement Rule, Article 58.1. (Year) (Month) (Date) (signature or seal)

To the Nuclear Safety and Security Commission

Attachments

1. One (1) original copy of QA Plan under Article 53, 「Nuclear Safety Act」.  5
2. One (1) original copy of Safety Analysis Report containing the details of each clause of Article 58.3, 「Nuclear Safety Act Enforcement Rules」.  5
3. One (1) original copy of Radiation Safety Report containing the details of each clause of Article 58.4, 「Nuclear Safety Act Enforcement Rules」.  5
4. One (1) original copy of Safety Management Rule containing the details of each clause of Article 58.5, 「Nuclear Safety Act Enforcement Rules」.  5
5. One (1) original copy of documents proving the purchase of devices under Table 2 attached to 「Nuclear Safety Act Enforcement Ordinance」.  5
6. One (1) original copy of documents proving the employment of staff required under Table 3 attached to 「Nuclear Safety Act Enforcement Ordinance」.  5
7. One (1) original copy of compensation standards under Article 152.1, 「Nuclear Safety Act Enforcement Ordinance」.  5

Matters to be confirmed by The Nuclear Safety and Security Commission

One (1) original copy of Business License

Fees charged under Table 8, attached to 「Nuclear Safety Act Enforcement Rules」.  5

Agreement on Shared Use of Administrative Information

With regard to processing this document, I agree on the confirmation of above details by Nuclear Safety and Security Commission through shared use of administrative information by Nuclear Safety Commission, under Article 36.1, 「E-Government Act」. *If the applicant does not agree, he is required to submit necessary documents.

Applicant (signature or seal)

Agreement on Shared Use of Administrative Information

210mm × 297mm [Wood free paper 80g / m² (recycling)]

413
No.

Permit for Production of Radioisotopes

1. Trade name:

2. Address:

3. Representative: (Date of birth: )

4. Type and quantity of radioactive isotopes:

5. Place of production:

6. Capacity of storage facility:

7. License conditions:

8. Date licensed:

We hereby license your production of radioactive isotopes pursuant to Article 53 of the Nuclear Safety Act and Article 58 (7) of its Enforcement Rules.

Date:

The Nuclear Safety and Security Commission

[Official seal]
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Certificate of License of Production of Radiation Generating Device

1. Trade name:

2. Address:

3. Representative: (Date of birth:   

4. Type and Capacity of radiation generating devices:

5. Place of production:

6. Capacity of storage facility:

7. License conditions:

8. Date licensed:

We hereby license your production of radiation generating devices pursuant to Article 53 of the Nuclear Safety Act and Article 58 (7) of its Enforcement Rules.

Date

The Nuclear Safety and Security Commission

[Official seal]

210mm × 297mm [wood-free printing paper 150g/㎡]
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Approval of Design of Special Forms of Radioactive Materials

1. Trade name:

2. Address:

3. Representative:  
   (Date of birth: )

4. Design approval no.:  
   (Drawings attached)

5. Type of special form of radioactive materials:

6. Type and quantity of radioactive isotopes:

7. Approval conditions

8. Date approved

9. Expiry date

This Approval of the Design of Special Form Radioactive Materials is hereby issued pursuant to Article 53 of the Nuclear Safety Act and Article 58 (7) of its Enforcement Rules.

Date

The Nuclear Safety and Security Commission

Official seal
### Enforcement Rule of the Nuclear Safety Act

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Application for Radioisotope Sales Permission

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<th>processing date</th>
<th>processing period</th>
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<td>Department Responsible</td>
<td>Person in charge</td>
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I, hereby, apply for permission of radioisotope sales, under Article 53.1, 「Nuclear Safety Act」, the Enforcement Ordinance, Article 79 and Enforcement Rule, Article 59.1.

(Applicant)

To the Nuclear Safety and Security Commission

Attached Documents

1. One (1) original copy of Safety Analysis Report containing the details of each clause of Article 58.4, 「Nuclear Safety Act Enforcement Rules」
2. One (1) original copy of Safety Management Rule containing the details of each clause of Article 58.5, 「Nuclear Safety Act Enforcement Rules」
3. One (1) original copy of documents proving the purchase of devices under Table 2 attached to 「Nuclear Safety Act Enforcement Ordinance」
4. One (1) original copy of documents proving the employment of staff required under Table 3 attached to 「Nuclear Safety Act Enforcement Ordinance」
5. One (1) original copy of compensation standards under Article 152.1, 「Nuclear Safety Act Enforcement Ordinance」
6. One (1) original copy of plans on supply and sales of radioisotope

The Nuclear Safety and Security Commission

One (1) original copy of Business License

Agreement on Shared Use of Administrative Information

With regard to processing this document, I agree on the confirmation of above details by Nuclear Safety and Security Commission through shared use of administrative information by Nuclear Safety Commission, under Article 36.1, 「E-Government Act」. *If the applicant does not agree, he is required to submit necessary documents.

(Applicant)

Procedure

Preparation for Application ➔ Receipt ➔ Documents Review ➔ Preparation and Issue for Permit Certificate ➔ Receipt of Permit Certificate

Applicant

210mm × 297mm [Wood free paper 80g/m² (recycling)]
Application for Radiation Generating Device Sales Permission

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I, hereby, apply for permission of radiation generating device production, under Article 53, 'Nuclear Safety Act', the Enforcement Ordinance, Article 79 and Enforcement Rule, Article 59.1.

Applicant

To the Nuclear Safety and Security Commission

Attached Documents

1. One (1) original copy of Radiation Safety Report containing the details of each clause of Article 58.4, 'Nuclear Safety Act Enforcement Rules'.
2. One (1) original copy of Safety Management Rule containing the details of each clause of Article 58.5, 'Nuclear Safety Act Enforcement Rules'.
3. One (1) original copy of documents proving the purchase of devices under Table 2 attached to 'Nuclear Safety Act Enforcement Ordinance'.
4. One (1) original copy of documents proving the employment of staff required under Table 3 attached to 'Nuclear Safety Act Enforcement Ordinance' (Plus a Proxy Service Agreement if the radiation management is outsourced under Article 58.2.6).
5. One (1) original copy of compensation standards under Article 152.1, 'Nuclear Safety Act Enforcement Ordinance'.
6. One (1) original copy of plans on supply and sales of radiation generating devices.
7. Specifications of radiation generating devices to supply.

Fees charged under Table 8, attached to 'Nuclear Safety Act Enforcement Rules'.

Matters to be confirmed by The Nuclear Safety and Security Commission

One (1) original copy of Business License

Agreement on Shared Use of Administrative Information

With regard to processing this document, I agree on the confirmation of above details by Nuclear Safety and Security Commission through shared use of administrative information by Nuclear Safety Commission, under Article 36.1, 'E-Government Act'. *If the applicant does not agree, he is required to submit necessary documents.

Applicant

(signature or seal)

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review ➔ Preparation and Issue for Permit Certificate ➔ Receipt of Permit Certificate

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Certificate of Sales License of Radioactive Isotopes

1. Trade name
2. Address
3. Representative (Date of birth: )
4. Type and quantity of radioactive isotopes
5. Business place location
6. Capacity of storage facility
7. License conditions
8. Date licensed:

We hereby license your right to sell radioactive isotopes pursuant to Article 53 of the Nuclear Safety Act and Article 59 (4) of its Enforcement Rules.

Date

The Nuclear Safety and Security Commission

Official seal

210mm × 297mm [wood-free printing paper 150g/m²]
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</table>
Certificate of Sales License of Radiation Generating Devices

1. Trade name:

2. Address:

3. Representative: (Date of birth:  )

4. Type, number and capacity of radiation generating devices:

5. Business place location:

6. Capacity of storage facility:

7. License conditions:

8. Date licensed:

We hereby license your right to sell radiation generating devices pursuant to Article 53 of the Nuclear Safety Act and Article 59 (4) of its Enforcement Rules.

Date

The Nuclear Safety and Security Commission

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## Enforcement Rule of the Nuclear Safety Act

**Application for Radioisotope Use Permission**

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### Applicant

Name of Corporation | Business License Number
-------------------|------------------------
Location            | Telephone
Representative name| Resident Registration Number
Name of Division    |
Location of Division| Telephone
Department Responsible| Person in charge
Radioisotope seller (or prospective) | Telephone

I, hereby, apply for permission of radioactive isotope use, under Article 53, 「Nuclear Safety Act」, the Enforcement Ordinance, Article 79 and Enforcement Rule, Article 60.1.

(Year) (Month) (Date)

Applicant (signature or seal)

### To the Nuclear Safety and Security Commission

**Attached Documents**

1. One (1) original copy of Radiation Safety Report containing the details of each clause of Article 58.4, 「Nuclear Safety Act Enforcement Rules」.
2. One (1) original copy of Safety Management Rule containing the details of each clause of Article 58.5, 「Nuclear Safety Act Enforcement Rules」.
3. One (1) original copy of documents proving the purchase of devices under Table 2 attached to 「Nuclear Safety Act Enforcement Ordinance」.
4. One (1) original copy of documents proving the employment of staff required under Table 3 attached to 「Nuclear Safety Act Enforcement Ordinance」 (Plus a Proxy Service Agreement if the radiation management is outsourced under Article 58.2.6)).
5. One (1) original copy of compensation standards under Article 152.1, 「Nuclear Safety Act Enforcement Ordinance」.

### Matters to be confirmed by The Nuclear Safety and Security Commission

One (1) original copy of Business License

### Agreement on Shared Use of Administrative Information

No fees charged under Table 8, 「Nuclear Safety Act Enforcement Rules」.

With regard to processing this document, I agree on the confirmation of above details by Nuclear Safety and Security Commission through shared use of administrative information by Nuclear Safety Commission, under Article 36.1, 「E-Government Act」. *If the applicant does not agree, he is required to submit necessary documents.

Applicant (signature or seal)

### process of disposal

- Preparation for Application
- Receipt
- Documents Review
- Preparation and Issue for Permit Certificate
- Receipt of Permit Certificate

Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
# Enforcement Rule of the Nuclear Safety Act

## Application for Radiation Generating Device Use Permission

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I, hereby, apply for permission of radiation generating device use, under Article 53, [Nuclear Safety Act](#), the Enforcement Ordinance, Article 79 and Enforcement Rule, Article 60.1.

### Applicant

To the Nuclear Safety and Security Commission

### Attached Documents

1. One (1) original copy of Radiation Safety Report containing the details of each clause of Article 58.4, [Nuclear Safety Act Enforcement Rules](#).
2. One (1) original copy of Safety Management Rule containing the details of each clause of Article 58.5, [Nuclear Safety Act Enforcement Rules](#).
3. One (1) original copy of Table 2 attached to [Nuclear Safety Act Enforcement Ordinance](#) of documents proving the purchase of devices under [Nuclear Safety Act Enforcement Ordinance](#).
4. One (1) original copy red under Table 3 attached to [Nuclear Safety Act Enforcement Ordinance](#) (Plus a Proxy Service Agreement if the radiation management is outsourced under Article 58.2.6))
5. One (1) original copy of compensation standards under Article 152.1, [Nuclear Safety Act Enforcement Ordinance](#).

### Matters to be confirmed by The Nuclear Safety and Security Commission

One (1) original copy of Business License

### Agreement on Shared Use of Administrative Information

With regard to processing this document, I agree on the confirmation of above details by Nuclear Safety and Security Commission through shared use of administrative information by Nuclear Safety Commission, under Article 36.1, [E-Government Act](#). *If the applicant does not agree, he is required to submit necessary documents.*

### process of disposal

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Ref. No.

License of Use of Radioactive Isotopes

1. Trade name:

3. Address:

3. Representative: (Date of birth: )

4. Type and quantity of radioactive isotopes:

5. Purpose of use

6. Business place location:

7. Capacity of storage facility:

8. License conditions:

9. Date licensed:

We hereby license your right to use radioactive isotopes pursuant to Article 53 of the Nuclear Safety Act and Article 60 (4) of its Enforcement Rules.

Date

The Nuclear Safety and Security Commission

[Official seal]
### Enforcement Rule of the Nuclear Safety Act

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License of Use of Radiation Generating Devices

1. Trade name:

2. Address:

3. Representative: (Date of birth: )

4. Type, number and capacity of radiation generating devices:

5. Purpose of use

6. Business place location:

7. License conditions:

8. Date licensed:

We hereby license your right to use radiation generating devices pursuant to Article 53 of the Nuclear Safety Act and Article 60 (4) of its Enforcement Rules.

Date

The Nuclear Safety and Security Commission

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Application for Mobile Use of Radioisotope Permission

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I, hereby, apply for permission of mobile use of radioisotope, under Article 53, 「Nuclear Safety Act」, the Enforcement Ordinance, Article 79 and Enforcement Rule, Article 61.1.  

(Applicant) (Year) (Month) (Date)  

(signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. One (1) original copy of Radiation Safety Report containing the details of each clause of Article 58.4, 『Nuclear Safety Act Enforcement Rules』  
2. One (1) original copy of Safety Management Rule containing the details of each clause of Article 58.5, 『Nuclear Safety Act Enforcement Rules』  
3. One (1) original copy of documents proving the purchase of devices under Table 2 attached to 『Nuclear Safety Act Enforcement Ordinance』  
4. One (1) original copy of documents proving the employment of staff required under Table 3 attached to 『Nuclear Safety Act Enforcement Ordinance』  
5. One (1) original copy of compensation standards under Article 152.1, 『Nuclear Safety Act Enforcement Ordinance』

Matters to be confirmed by The Nuclear Safety and Security Commission

One (1) original copy of Business License

Agreement on Shared Use of Administrative Information

With regard to processing this document, I agree on the confirmation of above details by Nuclear Safety and Security Commission through shared use of administrative information by Nuclear Safety Commission, under Article 36.1, 『E-Government Act』.  

*If the applicant does not agree, he is required to submit necessary documents.

(Applicant) (signature or seal)

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review ➔ Preparation and Issue for Permit Certificate ➔ Receipt of Permit Certificate

Applicant  

Nuclear Safety and Security Commission  

Nuclear Safety and Security Commission  

Nuclear Safety and Security Commission  

Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
### Enforcement Regulation of the Nuclear Safety Act [Attached Form 55] <Amendment enacted on 11/24/2014>

#### Application for Mobile Use of Radiation Generating Device Permission

※ DO NOT fill columns with dark backgrounds.

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
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<td></td>
<td>Department Responsible</td>
<td>Person in charge</td>
<td></td>
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<tr>
<td></td>
<td>Radiation generating device seller (or prospective)</td>
<td>Telephone</td>
<td></td>
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</tr>
</tbody>
</table>

I, hereby, apply for permission of radioactive isotope use, under Article 53, 『Nuclear Safety Act』, the Enforcement Ordinance, Article 79 and Enforcement Rule, Article 60.1.

Applicant

To the Nuclear Safety and Security Commission

1. One (1) original copy of Radiation Safety Report containing the details of each clause of Article 58.4, 『Nuclear Safety Act Enforcement Rules』.
2. One (1) original copy of Safety Management Rule containing the details of each clause of Article 58.5, 『Nuclear Safety Act Enforcement Rules』.
3. One (1) original copy of documents proving the purchase of devices under Table 2 attached to 『Nuclear Safety Act Enforcement Ordinance』.
4. One (1) original copy of documents proving the employment of staff required under Table 3 attached to 『Nuclear Safety Act Enforcement Ordinance』.
5. One (1) original copy of compensation standards under Article 152.1, 『Nuclear Safety Act Enforcement Ordinance』.

Attachment Documents

1. One (1) original copy of Business License

### Agreement on Shared Use of Administrative Information

With regard to processing this document, I agree on the confirmation of above details by Nuclear Safety and Security Commission through shared use of administrative information by Nuclear Safety Commission, under Article 36.1, 『E-Go
government Act』. *If the applicant does not agree, he is required to submit necessary documents.

Applicant

### process of disposal

<table>
<thead>
<tr>
<th>Preparation for Application</th>
<th>Receipt</th>
<th>Documents Review</th>
<th>Preparation and Issue for Permit Certificate</th>
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</thead>
<tbody>
<tr>
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</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Ref. No.

License of Mobile Use of Radioactive Isotopes

1. Trade name

2. Address

3. Representative (Date of birth: )

4. Type and quantity of radioactive isotopes

5. Purpose of use

6. Business place location

7. Capacity of storage facility

8. License conditions

9. Date licensed:

We hereby license your mobile use of radioactive isotopes pursuant to Article 53 of the Nuclear Safety Act and Article 61 (4) of its Enforcement Rules.

Date

The Nuclear Safety and Security Commission

Official seal

210mm × 297mm [wood-free printing paper 150g/m²]
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</tbody>
</table>
Ref. No.

License of Mobile Use of Radiation Generating Devices

1. Trade name :

2. Address :

3. Representative (Date of birth: ) :

4. Type, number and capacity of radiation generating devices :

5. Purpose of use :

6. Business place location :

7. License conditions :

8. Date licensed :

We hereby license your mobile use of radiation generating devices pursuant to Article 53 of the Nuclear Safety Act and Article 61 (4) of its Enforcement Rules.

Date

The Nuclear Safety and Security Commission

Official seal

210mm × 297mm [wood-free printing paper 150g/m²]
<table>
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Enforcement Regulation of the Nuclear Safety Act

[ ] Production
[ ] Sale
[ ] Radiation Generating Devices
[ ] Use
[ ] Mobile Use

Applicant

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<td>Telephone</td>
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<tr>
<td>Department in Charge</td>
<td>Person in Charge</td>
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<tr>
<td>Permit No.</td>
<td>Date of Permission</td>
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<tr>
<td>Contents of Change</td>
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<tr>
<td>Reason of Change</td>
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</tr>
<tr>
<td>Purchase Place of Radioisotopes, etc.</td>
<td>Telephone</td>
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</tr>
</tbody>
</table>

hereby apply for permit change of (production, use, mobile use and sale) of radioisotopes, etc. in accordance with the provisions of Article 53 (1) of the Act, Article 80 of the Decree and Article 62 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. 1 copy of each document related with change
2. 1 copy of the documents stating actions required to be taken for the protection of radiation hazard during the construction, in cases where the construction is necessary.
3. Permit Certificate

fee :
In accordance with Table 8 of the Regulation

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review ➔ Preparation and Issue for Permit Certificate ➔ Receipt of Permit Certificate

Applicant Nuclear Safety and Security Commission Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Report on Temporary Change in the Place of Use

[ ] Radioisotopes
[ ] Radiation Generating Devices

<table>
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<th>processing date</th>
<th>processing period</th>
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<td>Date of Birth</td>
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<td>Department in Charge</td>
<td>Person in Charge</td>
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<tr>
<td>Radiation Safety Officer</td>
<td>Type and No. of Licence</td>
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<td></td>
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</tbody>
</table>

Report contents

Radio-isotopes Kind and Quantity

Title and unique production number in case of being equipped Radio-isotopes

Kind, Performance and Quantity of Radiation Generating Devices

Purpose for Use

Place of Use

Period of Use

I hereby file a report on temporary change in the place of use of [radioisotopes / radiation generating devices] in accordance with the provisions of Article 53 (1) of the Act, Article 64 of the Regulation.

(Year) (Month) (Date)

Name of Reporter (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. 1 copy of explanatory statement on the place of use and the adjoining area thereof;
2. 1 copy of statement on the structure of storage facilities;
3. 1 copy of layout of storage facilities and the radiation control area;
4. 1 copy of explanatory statement on work methods;
5. 1 copy of explanatory statement on transportation methods;
6. Documents related to change of reported matters (only in those cases where any reported matter is to be changed)

Fee: None

<table>
<thead>
<tr>
<th>process of disposal</th>
</tr>
</thead>
</table>

Applicant

Nuclear Safety and Security Commission

Feecertificate

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Workplace for Radiograph Test

[ ] New Declaration
[ ] Change

※ DO NOT fill columns with dark backgrounds.

<table>
<thead>
<tr>
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<td>Permission No.</td>
<td>(Date of Issue)</td>
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</table>

A. Project owner (an institution):
B. Nuclide of radioisotope, amount and number of radiation:
C. Type, performance and number of radiation generating device:
D. Name and licence no. of radiation safety manage at the workplace:
E. Type of workplace: facilities to use ( ) Factories ( ) Outdoor ( )
F. Material quality and thickness of objects subject to radiograph test:
G. Term of contract with Project Owner:
H. Workplace operation period:

I, hereby declare the installation or changes of/in the workplace for radiograph test, under Article 53.1 of 「Nuclear Safety Act」 and the Enforcement Ordinance Article 64.3.

(Year) (Month) (Date)  
Applicant

To the Nuclear Safety and Security Commission

1. Radiograph Test Contract with Project Owner
2. Description of conditions around the workplace and its circumstances
3. Architecture spec. and internal assessment findings for storage and maintenance facilities
4. Description of radiation maintenance areas
5. Description of working procedures
6. Description of transporting methods
7. Documents on assignment of radiation safety officers at the workplace

Fee : None

Attached Documents

Preparation for Application

<table>
<thead>
<tr>
<th>Preparation for Application</th>
<th>Receipt</th>
<th>Document Review/Notification</th>
<th>Receipt of Report Verify certificate</th>
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<td>Nuclear Safety and Security Commission</td>
<td>Applicant</td>
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210mm × 297mm [Wood free paper 80g / m² (recycling)]

Report on Closure of Place of Work for the Purpose of Radiography Examination

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<th>processing date</th>
<th>processing period</th>
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<td>Location</td>
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<td>Date of birth</td>
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<tr>
<td>Place of Work</td>
<td>Name</td>
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<td>(Phone No.: )</td>
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<tr>
<td></td>
<td>Contact</td>
<td></td>
<td>(Phone No.: )</td>
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<tr>
<td>Permit No. (Issuance date)</td>
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</table>

a. Ordering Party (Institute):
b. Operation period of place of work
c. Date of closure

We hereby report the closure of the work space for the purpose of radiography examination pursuant to Article 53, Paragraph 1 of the Atomic Energy Safety Act, and Article 64, Paragraph 5 of the Enforcement Regulation of the said Act.

(Year) (Month) (Date)

Name of Reporter (signature or seal)

To the Nuclear Safety and Security Commission

<table>
<thead>
<tr>
<th>Attached Documents</th>
<th>Certification of closure of work space of ordering party including manpower and work volume</th>
<th>Fee</th>
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Applicant

Nuclear Safety and Security Commission

Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Enforcement Rule of the Nuclear Safety Act

Enforcement Regulation of the Nuclear Safety Act [Attached Form 60]

**Notification of Use [Mobile Use] of Radioisotopes**

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<td>Department in Charge</td>
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<tr>
<td>Purchase Place of Radioisotopes</td>
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</table>

I hereby file a notification of [use / mobile use] of sealed radioisotopes in accordance with the provisions of Article 53 (2) of the Act, Article 81 of the Decree and Article 67 (1) of the Regulation.

(Year) (Month) (Date)

Name of Reporter (signature or seal)

To the Nuclear Safety and Security Commission

**Attached Documents**

1. 1 copy of statement on radioisotopes containing each item in Subparagraph 1 of Article 67 (2) of the Regulation
2. 1 copy of planned measures regarding radioisotopes of which use has been completed.
3. 1 copy of explanatory statement on the status of use facilities, etc. and surrounding environment thereof.
4. 1 copy of documents evidencing the fact that any person, who has obtained a licence as set forth in Subparagraphs 5 and 7 of Article 84 (2) of the Act, or a professional engineer of radiation control under the National Technical Qualifications Act remains employed, if any, or documents evidencing the fact that a business agent for radiation safety control as provided in Article 54 (1) 5 of the Act is in service.
5. Compensation standards as prescribed in Subparagraph 1 of Article 152 of the Decree

Fee: None

**Matters to be confirmed by Nuclear Safety and Security Commission**

A business license

**The administrative information sharing consent**

I hereby, with regard to processing of this application, agree the above confirmation by public officials in charge through the administrative information sharing system under Article 36 (1) of the Act on Electronic Government. * The applicant is required to submit the relevant documents directly if you do not agree with.

Name of Applicant (Representative) (Seal)

<table>
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Applicant Nuclear Safety and Security Commission Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Enforcement Regulation of the Nuclear Safety Act [Attached Form 61]

Notification of Use [Mobile Use] of Radiation Generating Devices

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<td>Person in Charge</td>
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<td>Purchase Place of Radiation Generating Devices</td>
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</table>

I hereby file a notification of [use / mobile use] of radiation generating devices in accordance with the provisions of Article 53 (2) of the Act, Article 81 of the Decree and Article 67 (1) of the Regulation.

(Year) (Month) (Date)

Name of Reporter (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. 1 copy of statement on Radioisotopes containing each item in Subparagraph 1 of Article 67 (2) of the Regulation
2. 1 copy of explanatory statement on the status of use facilities, etc. and surrounding environment thereof.
3. 1 copy of documents evidencing the fact that any person, who has obtained a licence as set forth in Subparagraphs 5 and 7 of Article 84 (2) of the Act, or a professional engineer of radiation control under the National Technical Qualifications Act remains employed, if any, or documents evidencing the fact that a business agent for radiation safety control as provided in Article 54 (1) 5 of the Act is in service.
4. Compensation standards as prescribed in Subparagraph 1 of Article 152 of the Decree

Matters to be confirmed by Nuclear Safety and Security Commission

A business license

Fee : None

The administrative information sharing consent

I hereby, with regard to processing of this application, agree the above confirmation by public officials in charge through the administrative information sharing system under Article 36 (1) of the Act on Electronic Government. * The applicant is required to submit the relevant documents directly if you do not agree with.

Name of Applicant (Representative) (Seal)

The process of disposal

<table>
<thead>
<tr>
<th>Preparation for Application</th>
<th>Receipt</th>
<th>Documents Review</th>
<th>Preparation for Notification Certificate</th>
<th>Issue of Notification Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Nuclear Safety and Security Commission</td>
<td>Applicant</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m' (recycling)]
Ref. No.

Certificate of Declaration of (Mobile) Use of Radioactive Isotopes

1. Company name: :
2. Address: :
3. Representative: : Date of birth :
4. Type and quantity of radioactive isotopes:
5. Purpose of Use :
6. Place of use :
7. Declared by :

This certificate has been issued to confirm that you have duly declared your (mobile) use of sealed radioactive isotopes pursuant to Article 53 (2) of the Nuclear Safety Act and Article 67 (4) of its Enforcement Rules.

Date

The Nuclear Safety and Security Commission

[Official seal]

210mm × 297mm [wood-free printing paper 150g/m²]
<table>
<thead>
<tr>
<th>No.</th>
<th>Date</th>
<th>Modification details</th>
<th>Cause for modification</th>
<th>Checked</th>
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</tbody>
</table>
Ref. No.  

**Certificate of Declaration of (Mobile) Use of Radiation Generating Devices**

1. Company name: 

2. Address: 

3. Representative: (Date of birth: ) 

4. Type, number and capacity of radiation generating devices: 

5. Purpose of Use 

6. Place of use 

7. Date declared 

This certificate has been issued to confirm that you have duly declared your (mobile) use of radiation generating devices pursuant to Article 53 (2) of the Nuclear Safety Act and Article 67 (4) of its Enforcement Rules.

Date 

The Nuclear Safety and Security Commission 

[Official seal]

210mm × 297mm [wood-free printing paper 150g/m²]
<table>
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<th>No.</th>
<th>Date</th>
<th>Modification details</th>
<th>Cause for modification</th>
<th>Checked</th>
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</tr>
</tbody>
</table>
Report on Change of Use [Mobile Use] of Radioisotopes

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>5 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Corporation</td>
<td>No. of Business Registration</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Telephone</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Representative</td>
<td>Resident Registration Number</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Name</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Place</td>
<td>Telephone</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Department in Charge</td>
<td>Person in Charge</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Contents of Change

Reason of Change

Purchase Place of Radioisotopes | Telephone

I hereby file a report on change of Use [Mobile Use] of sealed radioisotopes in accordance with the provisions of Article 53 (2) of the Act, Article 82 of the Decree and Article 68(1) of the Regulation.

(Year) (Month) (Date)

Name of Reporter (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. 1 copy of documents evidencing the change
2. 1 copy of certificate of completion of notification

Fee: None

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review ➔ Preparation and Issue for Notification Certificate ➔ Receipt of Notification Certificate

Applicant  ➔ Nuclear Safety and Security Commission ➔ Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
# Report on Change of Use [Mobile Use] of Radiation Generating Devices

## Reporter

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing 5 days period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Corporation</td>
<td>No. of Business Registration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Telephone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Representative</td>
<td>Resident Registration Number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Name</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Place</td>
<td>Telephone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department in Charge</td>
<td>Person in Charge</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Report contents

| Contents of Change | | |
|-------------------|-------------------|
| Reason of Change | | |
| Purchase Place of Radiation Generating Devices | Telephone | |

I hereby file a report on change of [Use / Mobile Use] of radiation generating devices in accordance with the provisions of Article 53 (2) of the Act, Article 82 of the Decree and Article 68 (1) of the Regulation.

(Year) (Month) (Date)

Name of Reporter (signature or seal)

## To the Nuclear Safety and Security Commission

<table>
<thead>
<tr>
<th>Attached Documents</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 1 copy of documents evidencing the change</td>
<td>None</td>
</tr>
<tr>
<td>2. 1 copy of certificate of completion of notification</td>
<td></td>
</tr>
</tbody>
</table>

## process of disposal

- Preparation for Application
- Receipt
- Documents Review
- Preparation and Issue for Notification Certificate
- Receipt of Notification Certificate

Applicant  Nuclear Safety and Security Commission  Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
**Enforcement Rule of the Nuclear Safety Act**

- **Enforcement Regulation of the Nuclear Safety Act** [Attached Form 65-2] <New, enacted on 11/24/2014>

<table>
<thead>
<tr>
<th>Radiation Safety Officer</th>
<th>Appointment</th>
<th>Change</th>
<th>Dismissal</th>
</tr>
</thead>
</table>

*DO NOT fill columns with dark backgrounds.*

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing date</th>
<th>15 days</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Declarant</strong></td>
<td></td>
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</tr>
<tr>
<td>Name of Corporation</td>
<td>Business License Number</td>
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<tr>
<td>Location</td>
<td>Telephone</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Representative name</td>
<td>Date of birth</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Name of division (workplace)</td>
<td></td>
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<tr>
<td>Location of operation (work)</td>
<td>Telephone</td>
<td></td>
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<tr>
<td>Department Responsible</td>
<td>Person in charge</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Permission NO</strong></td>
<td>Date</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Appointment</th>
<th>Name</th>
<th>Date of appointment</th>
<th>Licenses</th>
<th>Education</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Type</td>
<td>NO</td>
<td>Course</td>
</tr>
<tr>
<td>Existing declarations</td>
<td>Declarations of change</td>
<td>Dismissal</td>
<td>Reasons</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change</td>
<td>Name</td>
<td>Date of appointment</td>
<td>Date of change</td>
<td>Dismissal</td>
<td></td>
</tr>
<tr>
<td>Dismissal</td>
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</tr>
<tr>
<td>Licenses</td>
<td>Changes</td>
<td>(limited to declaration of change)</td>
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</tr>
<tr>
<td>Type</td>
<td>NO</td>
<td></td>
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</tr>
</tbody>
</table>

I, hereby, declare the appointment, change or dismissal of radiation safety officer, under Article 53.2.1 and 53.2.3, "Nuclear Safety Act", the Enforcement Ordinance Article 82.2.3 and the Enforcement Rule Article 68.2.1.

(Year) (Month) (Date)

Name of Reporter

To the **Nuclear Safety and Security Commission**

1. One (1) original copy of documents proving the employment of the radiation safety officer (Plus a Proxy Service Agreement if the radiation management is outsourced under No. 3 in Table 4. "Nuclear Safety Act Enforcement Ordinance;")
2. One (1) original copy of the license of Permitted User (including documentary evidence of completion of repair training) or Professional Radiation Management Engineer certificate (including the certificate registration statement)
3. For Declared User, one (1) original copy of documents proving the career in radiisotope treatment and proving completion of radiation safety officer training.
4. Details of assignment of duties for radiation safety officers (only if there are two or more managers employed)
5. To change existing declarations, one (1) original copy of documents proving the fact

**Attached Documents**

- No fees

<table>
<thead>
<tr>
<th>process of disposal</th>
<th>Attached Documents</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation for Application</td>
<td>Receipt</td>
<td>Documents Review/Notification</td>
<td>Confirm the result</td>
<td></td>
</tr>
<tr>
<td>Applicant</td>
<td>Nuclear Safety and Security Commission</td>
<td>Nuclear Safety and Security Commission</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

210mm x 297mm [Wood free paper 80g /㎡ (recycling)]
Designation Form on Substitute for Radiation Safety Officer

<table>
<thead>
<tr>
<th>Permitted user or reported user</th>
<th>Company name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>Name of business establishment (workplace)</td>
<td></td>
</tr>
<tr>
<td>Location of business establishment (workplace)</td>
<td>Phone</td>
</tr>
<tr>
<td>Dept. in charge</td>
<td>Person in charge</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description of the designation</th>
<th>Radiation safety officer</th>
<th>[ ] Permitted user</th>
<th>[ ] Reported user</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category</td>
<td>Name</td>
<td>Affiliation and job title</td>
<td>License or qualification certificate</td>
</tr>
<tr>
<td>Radiation safety officer</td>
<td>Substitute</td>
<td>Substitution period</td>
<td>Reason for substitution</td>
</tr>
</tbody>
</table>

The substitute for the radiation safety officer is designated as above pursuant to Article 53-2 (6) of the Nuclear Safety Act, Article 83-4 (1) of the Enforcement Decree of the Act, and Article 68-4 (1) of the Enforcement Rule.

(Date)

Permitted user or reported user (signature or seal)
**Application for Registration of Business Agent**

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>20 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Name of Corporation</td>
<td>Type of Corporation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Representative</td>
<td>Resident Registration Number</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Address of Main Office</td>
<td>Tel.</td>
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</tr>
<tr>
<td></td>
<td>Address of Business Place</td>
<td>Tel.</td>
<td></td>
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<tr>
<td></td>
<td>Department in charge</td>
<td>Person in charge</td>
<td></td>
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</tr>
<tr>
<td>Contents of Registration</td>
<td>Kind of Business of Agent</td>
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</tbody>
</table>

I hereby apply for registration of business agent in accordance with the provisions of Article 54 (1) and (3) of the Act, and Article 69 of the Regulation.

(Year)    (Month)    (Date)
Name of Applicant    (signature or seal)

**To the Nuclear Safety and Security Commission**

- **Attached Documents**
  1. 1 copy of Business agency regulations as prescribed in Article 73 of the Regulation.
  2. 1 copy of Documents evidencing equipments and manpower as prescribed in Article 84 of the Decree.
  3. 1 copy of Compensation standards as prescribed in Subparagraph 1 of Article 152 of the Decree.
  4. 1 copy of Documents certifying the career status of personnel who have the technical competence related to the agency business.

**Matters to be confirmed by Nuclear Safety and Security Commission**

A business license

**The administrative information sharing consent**

I hereby, with regard to processing of this application, agree the above confirmation by public officials in charge through the administrative information sharing system under Article 36 (1) of the Act on Electronic Government.  The applicant is required to submit the relevant documents directly if you do not agree with.

Name of Applicant (Representative)    (Seal)

**process of disposal**

<table>
<thead>
<tr>
<th>Preparation for Application</th>
<th>Receipt</th>
<th>Documents Review</th>
<th>Preparation and Issue for Registration Certificate</th>
<th>Receipt of Registration Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Nuclear Safety and Security Commission</td>
<td>Applicant</td>
<td></td>
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</tr>
</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Ref. No.

Certification of Contractor/Agent Registration

1. Company name:

2. Address of main office:

3. Address of business place:

4. Representative: (Date of birth: )

5. Scope of service performed:

6. Date registered

This certificate has been issued as above to confirm that you have been duly registered as an agent/contractor pursuant to Article 54 (1) of the Nuclear Safety Act.

Date

The Nuclear Safety and Security Commission

Official seal

210mm × 297mm [wood-free printing paper 150g/m²]
<table>
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<th>Date</th>
<th>Modification details</th>
<th>Cause for modification</th>
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</tbody>
</table>
Report on Change of Registration as Business Agent

<table>
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<th>processing period</th>
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<tr>
<td></td>
<td>Representative</td>
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<td>Date of birth</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Address of Main Office</td>
<td></td>
<td>Tel.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Business Address</td>
<td></td>
<td>Tel.</td>
<td></td>
</tr>
<tr>
<td>Contents of Change of Registration</td>
<td>Date of Change</td>
<td>Remarks (Reasons of Change, etc.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Initial Contents of Registration</td>
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</tr>
<tr>
<td></td>
<td>Changed Contents of Registration</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

I hereby file a report on change in accordance with the provisions of Article 54 (2) of the Act and Article 70 of the Regulation.

(Year) (Month) (Date)

Name of Reporter (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents
1. 1 copy of each document related to change
2. 1 copy of certificate of completion of registration

fee : In accordance with Table 8 of the Regulation

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review ➔ Preparation and Issue for Registration Certificate ➔ Receipt of Registration Certificate

Applicant Nuclear Safety and Security Commission Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
### Enforcement Rule of the Nuclear Safety Act

#### [Enforcement Regulation of the Nuclear Safety Act 
[Attached Form 69] ]

- **Application for Documentary Deliberation on Self-check Report by Permitted User**
- **Application for Documentary Deliberation on Supervisory Report by Business Agent**

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
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</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>Address</td>
<td>Telephone</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Representative</td>
<td>Date of Birth</td>
<td></td>
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<tr>
<td>Business Name</td>
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<tr>
<td>Business Place</td>
<td>Telephone</td>
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<tr>
<td>Department in Charge</td>
<td>Person in Charge</td>
<td></td>
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</tbody>
</table>

**Application contents**

<table>
<thead>
<tr>
<th>Kind of Permit</th>
<th>☐ production</th>
<th>☐ sale</th>
<th>☐ use</th>
<th>☐ mobile use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scope of Permitted Facilities</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I hereby apply for documentary deliberation on self-check report or supervisory report of use facilities, etc. regarding [production / sale / use / mobile use] of radioisotopes, etc. in accordance with the provisions of Article 56 (1) of the Act, Article 85 (2) - (3) of the Decree and Article 75 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

---

**To the Nuclear Safety and Security Commission**

---

### Attached Documents

| Attached Documents | 1 copy of self-check report or supervisory report | Fee | None |

### process of disposal

1. Preparation for Application
2. Receipt
3. Documents Review
4. Notification about the results of the review
5. Check the results

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Radioisotopes, etc [ ] Facilities [ ] Periodic

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>15 days</th>
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</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

Applicant

- Name of Corporation
- Location
- Representative
- Business Name
- Business Place
- Department in Charge

Application contents

- Kind of Permit: Production, Sale, Use, Mobile Use
- Scope of Permitted Facilities

- Desired Place of Inspection
- Desired Date of Inspection

I hereby apply for [facilities / periodic] inspection for [production / sale / use / mobile use] of radioisotopes, etc. in accordance with the provisions of Article 56 (1) of the Act, [Article 87 / Article 90] of the Decree and Article 76 of the Regulation.

(Year) (Month) (Date)

Name of Applicant

(signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents | None | Fee : None

process of disposal

<table>
<thead>
<tr>
<th>Preparation for Application</th>
<th>Receipt</th>
<th>Documents Review/ In-situ Inspection</th>
<th>Measure/ Notification of Inspection Result</th>
<th>Check the results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Nuclear Safety and Security Commission</td>
<td>Applicant</td>
<td></td>
<td></td>
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</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
**Application for Documentary Deliberation on Self-check Report of Use Facilities, etc.**

<table>
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<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>15 days</th>
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</thead>
<tbody>
<tr>
<td>Applicant</td>
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<td></td>
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</tr>
<tr>
<td>Name of Corporation</td>
<td>No. of Business Registration</td>
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<tr>
<td>Location</td>
<td>Telephone</td>
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</tr>
<tr>
<td>Representative</td>
<td>Date of Birth</td>
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<tr>
<td>Business Name</td>
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<td>Business Place</td>
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<tr>
<td>Department in Charge</td>
<td>Person in Charge</td>
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</tr>
<tr>
<td>Application contents</td>
<td>Kind of Permit</td>
<td>production</td>
<td>sale</td>
<td>use</td>
</tr>
<tr>
<td>Scope of Permitted Facilities</td>
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<td></td>
<td></td>
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</tr>
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</table>

I hereby apply for documentary deliberation on self-check report of use facilities, etc. regarding [production / sale / use / mobile use] of radioisotopes, etc. in accordance with the provisions of Article 56 (1) of the Act, Article 88 (3) of the Decree and Article 78 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

<table>
<thead>
<tr>
<th>Attached Documents</th>
<th>1 copy of self-check report</th>
<th>Fee</th>
<th>None</th>
</tr>
</thead>
</table>

**process of disposal**

Applicant → Receipt → Documents Review → Notification about the results of the review → Check the results

Applicant

---

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Periodic Inspection of Business Agent

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>15 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Corporation</td>
<td>No. of Business Registration</td>
<td></td>
<td></td>
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<tr>
<td>Location</td>
<td>Telephone</td>
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<tr>
<td>Representative</td>
<td>Date of Birth</td>
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<tr>
<td>Business Name</td>
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<tr>
<td>Business Place</td>
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<tr>
<td>Department in Charge</td>
<td>Person in Charge</td>
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</tr>
</tbody>
</table>

Applicant

Scope of Registration

Desired Place of Inspection

Desired Date of Inspection

I hereby apply for periodic inspection of business agent in accordance with the provisions of Article 56 (1) of the Act, Article 90 of the Decree and Article 80 (1) of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

Fee: None

process of disposal

Preparation for Application → Receipt → Documents Review / In-situ Inspection → Notification about the results of the review → Check the results

 Applicant  Nuclear Safety and Security Commission  Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Inspection on Production of Radioisotopes

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>15 days</th>
</tr>
</thead>
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<tr>
<td>Location</td>
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<tr>
<td>Representative</td>
<td>Date of Birth</td>
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<tr>
<td>Business Name</td>
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<tr>
<td>Business Place</td>
<td>Telephone</td>
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<tr>
<td>Department in Charge</td>
<td>Person in Charge</td>
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</tr>
</tbody>
</table>

Object of Inspection
[ ] Sealed Source [ ] Unsealed Source
[ ] Special Form Radioactive Material
Approval No. of Design

Desired Place of Inspection
Desired Date of Inspection

I hereby apply for inspection of production of radioisotopes in accordance with the provisions of Article 56 (1) of the Act, Article 91 of the Decree and Article 82 (2) of the Regulation.

(Year) (Month) (Date)
Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents: None
Fee: None

Process of disposal:
1. Preparation for Application
2. Receipt
3. Documents Review / In-situ Inspection
4. Notification about the results of the review
5. Check the results

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Design Approval of Radiation Equipment

<table>
<thead>
<tr>
<th>Applicant</th>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Corporation</td>
<td>No. of Business Registration</td>
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<td></td>
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<tr>
<td>Location</td>
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<tr>
<td>Representative</td>
<td>Date of Birth</td>
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<tr>
<td>Business Name</td>
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<td>Business Place</td>
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<tr>
<td>Department in Charge</td>
<td>Person in Charge</td>
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</tbody>
</table>

Classification of Business

- [ ] Radiation Generating Devices
- [ ] Instrument Equipped with Radioisotopes

Kind of Radiation Instrument

I hereby submit the application form for an approval of the radiation equipment design accordance with Article 60 of the Nuclear Safety Act and Article 82 of the Enforcement Regulation of the Act.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. 3 copies of design data containing each subparagraph of Article 82 (2) of the Regulation (2 copies in case electronic files with same contents are submitted)
2. 3 copies of safety assessment data containing each subparagraph in Subparagraph 2 of Article 82 (3) of the Regulation (2 copies in case electronic files with same contents are submitted).
3. 3 copies of quality assurance program related to production in accordance with the provisions of Subparagraph 3 of Article 82 (4) of the Regulation (Provided, that radiation instrument imported from foreign country shall be excluded) (2 copies in case electronic files with same contents are submitted).

Fee: None

process of disposal

<table>
<thead>
<tr>
<th>Preparation for Application</th>
<th>Receipt</th>
<th>Documents Review</th>
<th>Preparation and Issue for Approval Certificate</th>
<th>Receipt of Approval Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Nuclear Safety and Security Commission</td>
<td>Applicant</td>
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</tbody>
</table>
Enforcement Regulation of the Nuclear Safety Act [Attached Form No. 75] <Amended on 21 July 2015>

Ref. No.

**Approval of Design of Radioactive Appliances**

<table>
<thead>
<tr>
<th>Company name:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Representative</td>
<td>Date of birth</td>
</tr>
<tr>
<td>Address</td>
<td>Phone No.</td>
</tr>
</tbody>
</table>

1. Details of approval

<table>
<thead>
<tr>
<th>Types of radiation appliances</th>
<th>Design approval No.</th>
<th>Purpose of Use</th>
<th>Outcome of appliance inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

2. Date approved

<table>
<thead>
<tr>
<th>Date approved</th>
<th>Date</th>
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</thead>
<tbody>
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</tbody>
</table>

3. Approval conditions

This Design Approval Certificate of Radiation Appliances is hereby issued pursuant to Article 60 of the Nuclear Safety Act and Article 82 (7) of its Enforcement Regulation.

Date

The Nuclear Safety and Security Commission

[Official seal]

210mm × 297mm [wood-free printing paper 150g/㎡]
<table>
<thead>
<tr>
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<th>Date</th>
<th>Modification details</th>
<th>Cause for modification</th>
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</table>
### Enforcement Regulation of the Nuclear Safety Act [Attached Form 76]

#### Application for Approval on Change of Design of Radiation Equipment

<table>
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<th>processing period</th>
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<td>Date of Birth</td>
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</tr>
<tr>
<td>Business Name</td>
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<tr>
<td>Department in Charge</td>
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<td>Person in Charge</td>
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</table>

<table>
<thead>
<tr>
<th>Applicant contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classification of Business</td>
</tr>
<tr>
<td>No. of Design Approval</td>
</tr>
<tr>
<td>Date of Approval</td>
</tr>
<tr>
<td>Reason of Change of Design</td>
</tr>
</tbody>
</table>

I hereby apply for approval of change of design of radiation equipments in accordance with the provisions of Article 60 of the Act and Article 83 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

<table>
<thead>
<tr>
<th>Attached Documents</th>
<th>1. 1 copy of documents related to change.</th>
<th>Fee: None</th>
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</thead>
<tbody>
<tr>
<td>2. 1 copy of approval</td>
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</tbody>
</table>

#### process of disposal

1. Preparation for Application → Receipt → Documents Review → Preparation for Approval Certificate → Issue of Approval Certificate
2. Applicant → Nuclear Safety and Security Commission → Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Inspection of Radiation Equipments

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>15 days</th>
</tr>
</thead>
<tbody>
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<td></td>
<td>Representative</td>
<td>Date of Birth</td>
<td></td>
<td></td>
</tr>
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<td></td>
<td>Location</td>
<td>Telephone</td>
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<tr>
<td>Place of Business</td>
<td>Business Name</td>
<td>Business Place</td>
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<td></td>
<td>Department in Charge</td>
<td>Person in Charge</td>
<td></td>
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<td>Applicant</td>
<td>Classification of Business</td>
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<tr>
<td></td>
<td>Year of Design Approval</td>
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<td>Object of Production Inspection</td>
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</tr>
<tr>
<td></td>
<td>Kind of Radiation Equipments</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>□ radiation generating devices</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>□ instruments equipped with radioisotopes</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Quantity of Manufacturing Inspection</td>
<td></td>
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</tbody>
</table>

I hereby submit the application form for radiation equipment inspection in accordance with Article 61 (1) of the Nuclear Safety Act and Article 85 (1) of the Enforcement Regulation of the Act.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents
1. 1 copy of statement on testing/inspection facilities and equipment
2. 1 copy of explanatory statement on testing/inspection.
3. 1 copy of approval

Fee: None

process of disposal
Preparation for Application ➔ Receipt ➔ Documents Review ➔ In-situ Inspection ➔ Decision/Notification of Success or Failure ➔ Check the results

Applicant Nuclear Safety and Security Commission Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
**Enforcement Regulation of the Nuclear Safety Act [Attached Form No. 78] <Amended on 21 July 2015>**

**Application for Permit/License of Construction/Operation of Facility for Managing Radioactive Wastes**

<table>
<thead>
<tr>
<th>Receipt No.</th>
<th>Date received</th>
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<th>processing period</th>
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<tr>
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<tr>
<td></td>
<td>Representative</td>
<td>Resident registration number</td>
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<tr>
<td>Place of business</td>
<td>Name</td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>Address</td>
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</tr>
</tbody>
</table>

We hereby apply for a construction permit/operation license of a facility for managing radioactive wastes as above pursuant to Article 63 of the Nuclear Safety Act, Article 96 of its Enforcement Decree, and Article 87 of its Enforcement Rules.

Date

Applicant (sign or seal impression)

**To the Nuclear Safety and Security Commission**

1. 10 copies of the radiation environment impact assessment (two copies in the case of digital media containing the same contents).
2. 10 copies of the report of safety analysis (two copies in the case of digital media containing the same contents).
3. 10 copies of the safety management manual (two copies in the case of digital media containing the same contents).
4. 10 copies of the description of design and construction methods (two copies in the case of digital media containing the same contents).
5. 10 copies of the construction and operational quality warranty plan (two copies in the case of digital media containing the same contents).
6. 3 copies of plan for construction and operation of a facility for managing radioactive wastes (two copies in the case of digital media containing the same contents).
7. 2 copies of the documents concerning the storage, processing and disposal of radioactive wastes.
8. 3 copies of the documents concerning the types and quantity of radioactive wastes to be stored, processed or disposed of at the facility for managing radioactive wastes (two copies in the case of digital media containing the same contents).
9. 3 copies of a written description of the technical capabilities for the construction and operation of the facility for managing radioactive wastes (two copies in the case of digital media containing the same contents).
10. 3 copies of the documents certifying the equipment and personnel secured pursuant to Article 99 of the Enforcement Decree of the Nuclear Safety Act (two copies in the case of digital media containing the same contents).

**Documents to be attached**

<table>
<thead>
<tr>
<th>Documents to be attached</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 10 copies of the radiation environment impact assessment (two copies in the case of digital media containing the same contents).</td>
</tr>
<tr>
<td>2. 10 copies of the report of safety analysis (two copies in the case of digital media containing the same contents).</td>
</tr>
<tr>
<td>3. 10 copies of the safety management manual (two copies in the case of digital media containing the same contents).</td>
</tr>
<tr>
<td>4. 10 copies of the description of design and construction methods (two copies in the case of digital media containing the same contents).</td>
</tr>
<tr>
<td>5. 10 copies of the construction and operational quality warranty plan (two copies in the case of digital media containing the same contents).</td>
</tr>
<tr>
<td>6. 3 copies of plan for construction and operation of a facility for managing radioactive wastes (two copies in the case of digital media containing the same contents).</td>
</tr>
<tr>
<td>7. 2 copies of the documents concerning the storage, processing and disposal of radioactive wastes.</td>
</tr>
<tr>
<td>8. 3 copies of the documents concerning the types and quantity of radioactive wastes to be stored, processed or disposed of at the facility for managing radioactive wastes (two copies in the case of digital media containing the same contents).</td>
</tr>
<tr>
<td>9. 3 copies of a written description of the technical capabilities for the construction and operation of the facility for managing radioactive wastes (two copies in the case of digital media containing the same contents).</td>
</tr>
<tr>
<td>10. 3 copies of the documents certifying the equipment and personnel secured pursuant to Article 99 of the Enforcement Decree of the Nuclear Safety Act (two copies in the case of digital media containing the same contents).</td>
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</tbody>
</table>

**Processing procedure**

<table>
<thead>
<tr>
<th>Application reprepared</th>
<th>Received</th>
<th>Documents reviewed</th>
<th>Permit/license prepared and issued</th>
<th>Permit certificate received</th>
</tr>
</thead>
</table>

210㎜ × 297㎜ [wood-free printing paper 80g/㎡ (recycled)]
Construction permit/operation license of facilities for managing radioactive wastes

1. Trade name:

2. Address:

3. Representative:

4. Name of business place:

5. Place of disposal:

6. Permit/license conditions:

We hereby license your construction/operation of facilities for managing radioactive wastes pursuant to Article 63 of the Nuclear Safety Act.

Date

The Nuclear Safety and Security Commission

[Official seal]
### Enforcement Rule of the Nuclear Safety Act

<table>
<thead>
<tr>
<th>No.</th>
<th>Date</th>
<th>Modification details</th>
<th>Cause for modification</th>
<th>Checked</th>
</tr>
</thead>
<tbody>
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</tr>
</tbody>
</table>
Application for approval of modification of construction permit/operation license of facilities for managing radioactive wastes

We hereby approve your modification of a construction permit or operation license of facilities for managing radioactive wastes as above pursuant to Article 63 (1) of the Nuclear Safety Act and Article 98 of its Enforcement Decree, and Article 88 of its Enforcement Rules.

Date

Applicant

To the Nuclear Safety and Security Commission

Documents to be attached

1. 3 copies each of tables comparing before/after modification among the documents attached to the application for a permit/license (two copies in the case of digital media containing the same contents).
2. 3 copies of the plan for shielding radiation damages (to be attached when the relevant work is accompanied) (two copies in the case of digital media containing the same contents).
3. 1 copy of the permit/license certificate (to be attached only when the permit/license certificate contents are to be revised).

Fee: Enforcement Rules of the Nuclear Safety Act
See Attached Table 8 below.
Enforcement Regulation of the Nuclear Safety Act [Attached Form No. 81] <Amended on 21 July 2015>

Application for Pre-operation Inspection of Facilities for Managing Radioactive Wastes

<table>
<thead>
<tr>
<th>Receipt No.</th>
<th>Date received</th>
<th>Date processed</th>
<th>processing period</th>
<th>30 days</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
<td>Business registration number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Company name:</td>
<td></td>
<td>Address</td>
<td>Phone No.</td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td></td>
<td>Representative</td>
<td>Date of birth</td>
<td></td>
</tr>
<tr>
<td>Name of business place</td>
<td></td>
<td>Department in charge</td>
<td>Person in charge</td>
<td></td>
</tr>
<tr>
<td>Business place</td>
<td></td>
<td>Phone No.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Desired place of inspection</td>
<td></td>
<td>Desired date of inspection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Planned start date of facilities</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

We hereby apply for a pre-operation inspection of a facility for managing radioactive wastes pursuant to Article 65 of the Nuclear Safety Act, Article 101 or 102 of its Enforcement Decree, and Article 90 of its Enforcement Rules.

Date
Applicant (sign or seal impression)

To the Nuclear Safety and Security Commission

Documents to be attached
1 copy of documents indicating the outline of the facilities to be inspected and the construction schedule.

Fee: None

Processing procedure

<table>
<thead>
<tr>
<th>Application reprepared</th>
<th>Received</th>
<th>Documents reviewed</th>
<th>Site check, notified</th>
<th>Outcome checked</th>
</tr>
</thead>
</table>

210㎜ × 297㎜ [wood-free printing paper 80g/m² (recycled)]
Enforcement Regulation of the Nuclear Safety Act [Attached Form No. 82] <Amended on 21 July 2015>

### Application for Period Inspection of Facilities for Managing Radioactive Wastes

<table>
<thead>
<tr>
<th>Receipt No.</th>
<th>Date received</th>
<th>Date processed</th>
<th>processing period</th>
<th>30 days</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Business registration number</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td>Phone No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Representative</td>
<td>Date of birth</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name of business place</td>
<td>Department in charge</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Person in charge</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business place</td>
<td>Phone No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope of permitted/licensed facility</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Desired place of inspection</td>
<td>Desired date of inspection</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

We hereby apply for a periodic inspection of a facility for managing radioactive wastes pursuant to Article 65 of the Nuclear Safety Act, Article 103 of its Enforcement Decree, and Article 91 (1) of its Enforcement Rules.

Date

Applicant

(sign or seal impression)

To the Nuclear Safety and Security Commission

### Documents to be attached

1. 1 copy of the outline of the facilities to be inspected
2. 1 copy of the plan for periodic inspection

Fee: None

### Processing procedure

<table>
<thead>
<tr>
<th>Application reprepared</th>
<th>Received</th>
<th>Documents reviewed</th>
<th>Nuclear Safety and Security Commission</th>
<th>Permit certificate received</th>
</tr>
</thead>
</table>

210㎜ × 297㎜ [wood-free printing paper 80g/㎡ (recycled)]
## Enforcement Regulation of the Nuclear Safety Act

**Application for Disposal Inspection of Disposal Facilities, etc.**

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>30 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
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<td></td>
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</tr>
<tr>
<td>Name of Corporation</td>
<td>No. of Business Registration</td>
<td>Location</td>
<td>Telephone</td>
<td>Date of Birth</td>
</tr>
<tr>
<td>Representative</td>
<td>Department in Charge</td>
<td>Business Name</td>
<td>Person in Charge</td>
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<tr>
<td>Business Place</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Specification of Waste</th>
<th>Identification No. of Waste</th>
<th>Original Place of Waste</th>
<th>Date of Package of Waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kind and Characteristic of Waste</td>
<td>Type of Package</td>
<td>Weight (kg) and Volume (㎥)</td>
<td></td>
</tr>
<tr>
<td>Surface Radiation Dose Rate (mR/h)</td>
<td>Maximum Radiation Source Level (mR/h)</td>
<td>Date of Measurement of Radiation Source Level</td>
<td></td>
</tr>
<tr>
<td>Concentration of Major Nuclide (Ci/Ci/㎥)</td>
<td>Total Quantity of Radio-activity(Ci)</td>
<td>Method of Processing</td>
<td></td>
</tr>
</tbody>
</table>

**Matters Regarding Major Materials to be Considered**

Accumulated Quantity of Radioactivity following Processing

Disposal Method

Disposal Place(Mark of Disposal Area)

Date of Disposal

I hereby apply for disposal inspection of radioactive wastes in accordance with the provisions of Article 65 (1) of the Act, Article 104 of the Decree and Article 93 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

**To the Nuclear Safety and Security Commission**

<table>
<thead>
<tr>
<th>Attached Documents</th>
<th>Fee</th>
<th>None</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>process of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation for Application</td>
</tr>
</tbody>
</table>

| Applicant | Nuclear Safety and Security Commission | Applicant |

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Self-disposal Plan for Radioactive Wastes

<table>
<thead>
<tr>
<th>receipt number</th>
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<th>processing date</th>
<th>processing period</th>
<th>20 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Business</td>
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<td></td>
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<tr>
<td></td>
<td>Business Place</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td>Main Office</td>
<td>(Tel : )</td>
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<td>Business Place</td>
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<td>Position. Name</td>
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<tr>
<td></td>
<td>Resident Registration Number</td>
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<tr>
<td>Radiation Safety Officer</td>
<td>Position</td>
<td>Name</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Date of Birth</td>
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<tr>
<td>Scheduled Date of Disposal</td>
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<tr>
<td>Scheduled Place of Disposal</td>
<td></td>
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</tr>
</tbody>
</table>

I hereby submit self-disposal plan for radioactive wastes in accordance with the provisions of Article 107 of the Decree, and Article 100 of the Regulation.

(Year) (Month) (Date)

Reporter (Seal)

To the Nuclear Safety and Security Commission

Attached Documents: 1 copy of documents containing matters related to the procedures and methods of self-disposal of radioactive wastes.

Fee: None

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review ➔ Notification about the results of the review ➔ Check the results
Report on the Transport of Radioactive Materials

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reporter</td>
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</tr>
<tr>
<td>Name of Corporation</td>
<td>No. of Business Registration</td>
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<td>Location</td>
<td>Telephone</td>
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<tr>
<td>Business Name</td>
<td>Department in Charge</td>
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<tr>
<td>Business Place</td>
<td>Telephone</td>
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</tr>
</tbody>
</table>

Classification of Business

Scheduled Date of Transportation

Contents of Package

□ radioisotopes □ nuclear fuel materials □ radioactive waste □ others

I hereby file a report on the transport of radioactive materials, etc. in accordance with the provisions of Article 71 of the Act, Article 108 of the Decree and Article 98 (2) of the Regulation.

(Year) (Month) (Date)

Reporter

To the Nuclear Safety and Security Commission

Attached Documents

1. 1 copy of specification on transportation of radioactive materials.
2. 1 copy of explanatory statement on radioactive materials to be transported.
3. 1 copy of form of package and transportation checking record
4. 1 copy of design approval for package, or packaging for transporting radioactive materials and for special form radioactive materials.
5. 1 copy of transportation procedure
6. 1 copy of emergency response procedure

(remark) Among the attached documents as set forth in items 3 through 6 above, those which were submitted at the time of the previous report of transportation and regarding which one (1) year has not elapsed yet from the submittance shall be excluded.

Fee : None

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review/Notification ➔ Check the results

Applicant Nuclear Safety and Security Commission Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Report on Change of Transport of Radioactive Materials, etc.

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>5 days</th>
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<td>Department in Charge</td>
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<td>Matters of Change</td>
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<tr>
<td>Reason of Change</td>
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I hereby file a report of change in the transport of radioactive materials, etc. in accordance with the provisions of Article 108 (3) of the Decree, and Article 98 (5) of the Regulation.

(Year)  (Month)  (Date)

Reporter  (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents
1 copy of evidencing change of reported matters.  Fee : None

<table>
<thead>
<tr>
<th>process of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation for Application ➔ Receipt ➔ Documents Review/Notification ➔ Check the results</td>
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</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
### Enforcement Regulation of the Nuclear Safety Act

[Attached Form 87]

#### Application for Inspection of Package and Transport of Radioactive Materials, etc.

<table>
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<th>Processing date</th>
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<tr>
<td>Business Name</td>
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<td>Person in Charge</td>
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<table>
<thead>
<tr>
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<tbody>
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<td>Kind of Inspection</td>
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<td>Periodic inspection</td>
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<th>Desired Place of Inspection</th>
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<table>
<thead>
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<table>
<thead>
<tr>
<th>Object of Inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radioisotopes</td>
</tr>
</tbody>
</table>

I hereby apply for package and transport inspection of radioactive materials in accordance with the provisions of Article 75 of the Act, the main clause of Article 111 (4) of the Decree and Article 101 of the Regulation.

(Year) (Month) (Date)

Name of Applicant

To the Nuclear Safety and Security Commission

---

<table>
<thead>
<tr>
<th>Attached Documents</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
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</table>

<table>
<thead>
<tr>
<th>Process of Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation for Application</td>
</tr>
</tbody>
</table>

Applicant: Nuclear Safety and Security Commission

Applicant

210mm × 297mm [Wood free paper 80g/㎡ (recycling)]
Enforcement Regulation of the Nuclear Safety Act [Attached Form 88]

**Application for Documentary Deliberation on Result of Self-check of Package/Transport of Radioactive Materials, etc.**

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>5 days</th>
</tr>
</thead>
<tbody>
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<td>No. of Business Registration</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Location</td>
<td>Telephone</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Representative</td>
<td>Date of Birth</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Business Name</td>
<td>Department in Charge</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Business Place</td>
<td>Telephone</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Classification of Business

Object of Inspection

- ☐ radioisotopes
- ☐ nuclear fuel materials
- ☐ radioactive waste
- ☐ others

I hereby apply for documentary deliberation on result of self-check of package/transport of radioactive materials, etc. in accordance with the provisions of Article 75 (1) of the Act, Article 111 (5) of the Decree and Article 103 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

---

Attached Documents

- 1 copy of self-check report

Fee : None

**process of disposal**

1. Preparation for Application ➔ Receipt ➔ Documents Review ➔ Measure of Review Result/Notification ➔ Check the results

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Design Approval of Transport Container

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>120 months</th>
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</thead>
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<td></td>
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<tr>
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<td>Telephone</td>
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<td>Date of Birth</td>
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</tr>
<tr>
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<td>Department in Charge</td>
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</table>

Applicant

<table>
<thead>
<tr>
<th>Application contents</th>
<th>Classification of Business</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kind of Packaging</td>
<td></td>
</tr>
</tbody>
</table>

I hereby apply for design approval of transport container of radioactive materials in accordance with the provisions of Article 76 of the Act and Article 105 (1) of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

---

**Attached Documents**

1. 3 copies of design data including design drawing (2 copies in case electronic files with same contents are submitted)
2. 3 copies of quality assurance program (2 copies in case electronic files with same contents are submitted) (Those may be submitted at the time of application for production inspection pursuant to the provisions of Article 108 of the Regulation.)
3. 3 copies of Safety Analysis Report (2 copies in case electronic files with same contents are submitted)
4. 3 copies of performance test program (2 copies in case electronic files with same contents are submitted)

**Fee**: None

---

<table>
<thead>
<tr>
<th>process of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation for Application</td>
</tr>
</tbody>
</table>

Applicant | Nuclear Safety and Security Commission | Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Change of Design Approval of Transport Container

<table>
<thead>
<tr>
<th>Receipt number</th>
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<th>Processing date</th>
<th>Processing period</th>
<th>120 months</th>
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<tr>
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<tr>
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</tbody>
</table>

Classification of Business

No. of Design Approval

Date of Approval

Reason of Change of Design

I hereby apply for change of design approval of transport container of radioactive materials in accordance with the provisions of Article 76 of the Act, Article 105 (6) of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents 1 copy of documents regarding matters to be changed

Fee: None

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review ➔ Preparation/Issue for Approval Certificate ➔ receipt of Approval Certificate

Applicant: Nuclear Safety and Security Commission

210mm × 297mm [Wood free paper 80g / m² (recycling)]
### Certificate of Design Approval for the Transport Container of Radioactive Material, etc.

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>Name of Representative</td>
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<td>No. of Design Approval</td>
<td>No. of Foreign Country Approval</td>
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<td>Type of Radioactive Material Contained</td>
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<td>Conditions to Approval</td>
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<tr>
<td>Date of Approval</td>
<td>Date of Expiration</td>
</tr>
</tbody>
</table>

This is to certify that the design approval for the transport container of radioactive material has been granted in accordance with Article 76 of the Act and Article 106 of the Decree.

(Year) (Month) (Date)

The Nuclear Safety and Security Commission

STAMP

210mm × 297mm [Wood free paper 80g / m² (recycling)]
<table>
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<th>No.</th>
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</table>
Application for Manufacturing Inspection of Transport Container

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<tr>
<td>Name of Business Place</td>
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<tr>
<td>Responsible Department</td>
<td>Name of Responsible Person</td>
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<tr>
<td>Type of Business</td>
<td>Year of Design Approval</td>
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<tr>
<td>Type of Transport Container</td>
<td>Quantity of Manufacturing Inspection</td>
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</tr>
</tbody>
</table>

I hereby apply for manufacturing inspection of transport container of radioactive material, etc. in accordance with Article 77 (1) of the Act, Article 113 (1) of the Decree and Article 113 (1) of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents
1. 1 copy of quality assurance program (only in those cases where such program is submitted pursuant to Article 105 (3) hereof)
2. 1 copy of explanatory statement on production methods
3. 1 copy of statement on production equipment
4. 1 copy of explanatory statement on test/inspection methods
5. 1 copy of statement on test/inspection facilities or inspection equipment

Fee: None

Process of Disposal
Preparation for Application ➔ Receipt ➔ Documents Review ➔ In-situ Inspection/Notification ➔ Check the results

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Enforcement Regulation of the Nuclear Safety Act [Attached Form 93]

Application for Use Inspection of Transport Containers

<table>
<thead>
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<th>receipt number</th>
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<th>processing date</th>
<th>processing period</th>
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</tbody>
</table>

Applicant

- Name of Corporation
- Address
- Name of Representative
- Name of Business Place
- Business Place
- Responsible Department
- Classification of Business
- Type of Transport Container

I hereby apply for an inspection of the use of transport containers of radioactive material, etc. in accordance with Article 77 (1) of the Act, Article 113 (2) of the Decree and Article 119 (1) of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. 1 copy of statement on any repair of transport containers (only when repaired)
2. 1 copy of transport container self-check report and check procedures (only in cases where the person wishes to receive a documentary deliberation as provided in Article 113 (3) of the Decree). Fee : None

Process of disposal

<table>
<thead>
<tr>
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<th>Documents Review/In-situ Inspection/Notification</th>
<th>Check the results</th>
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210mm × 297mm [Wood free paper 80g / m² (recycling)]
Enforcement Rule of the Nuclear Safety Act

Transport Containers [ ] Manufacturing Inspection [ ] Use Inspection

Application for Exemption

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<td>Responsible Department</td>
<td>Name of Responsible Person</td>
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<tr>
<td>Classification of Business</td>
<td>Object to be Exempted from Inspection</td>
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<tr>
<td>Type of Transport Container</td>
<td>Quantity of Inspection Exemption</td>
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</tbody>
</table>

I hereby apply for an exemption from [manufacturing / use] inspection of transport containers which was manufactured in foreign country in accordance with Article 77 of the Act, Article 114 of the Decree and Article 110 (3) of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. Application for exemption from an inspection of manufacturing: design approval and documents of the relevant country evidencing passage of an inspection of manufacturing that substitute for the documents as set forth in each subparagraph of Article 113 (1) hereof
2. Application for exemption from an inspection of use: documents of the relevant country evidencing passage of an inspection of use that substitute for the documents as provided in Article 109 (2) hereof.

Fee: None

process of disposal

<table>
<thead>
<tr>
<th>Preparation for Application</th>
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210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Registration as a Dosimeter Reading Service Provider

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<td>Department in Charge</td>
<td>Person in Charge</td>
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</tbody>
</table>

I hereby apply for registration as a dosimeter reading service provider in accordance with Article 78 of the Act and Article 111 (1) of the Regulation

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. 3 copies of quality assurance program of dosimeter reading
2. 3 copies of documents evidencing the technical capabilities according to Article 113 of the Regulation in respect to the procurement of the equipment and manpower necessary for the dosimeter reading of personal dose
3. 3 copies of documents evidencing the performance of equipment and a performance test program
4. 1 copy of list of dosimeter reading facilities

Matters to be confirmed by Nuclear Safety and Security Commission

1 Copy of Business Registration

fee :

In accordance with Table 8 of the Regulation

The administrative information sharing consent

I hereby, with regard to processing of this application, agree the above confirmation by public officials in charge through the administrative information sharing system under Article 36 (1) of the Act on Electronic Government. The applicant is required to submit the relevant documents directly if you do not agree with.

Name of Applicant (Representative) (Seal)

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review/In-situ Inspection ➔ Preparation and Issue for Registration Certificate ➔ Receipt of Registration Certificate

Applicant Nuclear Safety and Security Commission Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Certificate for Registration as a Dosimeter Reading Service Provider Regarding Personal Dose

1. Name of Corporation:
2. Location:
3. Name of Representative:
4. Range of Dosimeter Reading:
5. Location of Business Place:
6. Condition to Registration:
7. Date of Registration:

This is to certify, as the above person has been registered as a dosimeter reading service provider regarding personal dose under Article 78 of the Act, in accordance with Article 111 (5) of the Regulation.

(Year) (Month) (Date)

The Nuclear Safety and Security Commission

STAMP
<table>
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Report on Change of Registration as a Dosimeter Reading Service Provider

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<td>Name of Representative</td>
<td>Date of Birth</td>
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<tr>
<td>Reasons of Change</td>
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</tbody>
</table>

I hereby file a report on change of registration as a dosimeter reading service provider in accordance with Article 78 of the Act and Article 112 of the Regulation.

(Year) (Month) (Date)

Reporter

(signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

<table>
<thead>
<tr>
<th>Attached Documents</th>
<th>1. 1 copy of Documents related to change</th>
<th>2. 1 copy of Certificate</th>
<th>Fee</th>
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<td>In accordance with Table 8 of the Regulation</td>
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Process of disposal

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<th>Preparation/Issue of Registration Certificate</th>
<th>reception of Registration Certificate</th>
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<td>Applicant</td>
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210mm × 297mm [Wood free paper 80g /㎡ (recycling)]
Application for Inspection Prior to Commencement of Dosimeter Reading Service

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<td>Responsible Department</td>
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<td>Planned Commencement Date of the Facilities</td>
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</table>

I hereby apply for an inspection prior to commencement of dosimeter reading service in accordance with Article 80 of the Act, Article 115 of the Decree and Article 114 of the Regulation

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. 1 copy of list and overview of reading facilities, etc.
2. 1 copy of drawing of dosimeter reading facilities, etc. (including a detailed cross section)
3. 1 copy of data on equipment in possession and the performance thereof
4. 1 copy of data on manpower in possession
(Note) Any documents already submitted at the time of an application for registration as a dosimeter reading service provider shall be excluded.

Fee: None

<table>
<thead>
<tr>
<th>process of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation for Application</td>
</tr>
<tr>
<td>Applicant</td>
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</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Application for Periodic Inspection for a Dosimeter Reading Service

<table>
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<th>processing date</th>
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<td>Responsible Department</td>
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<td>Range of Permitted Facilities</td>
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<td></td>
<td>Desired Inspection Location</td>
<td>Desired Inspection Date</td>
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</tbody>
</table>

I hereby apply for periodic inspection for dosimeter reading service in accordance with Article 80 of the Act, Article 115 of the Decree and Article 114 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents
1. 1 copy of overview of the facilities to be inspected
2. 1 copy of inspection plan

Fee : None

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review/In-situ Inspection ➔ Measure of Inspection Result/Notification ➔ Check the results

Applicant  Nuclear Safety and Security Commission  Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
An Application for Nuclear Power-related License Examinations

<table>
<thead>
<tr>
<th>Type of License</th>
<th>Reactor Type and Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Applicant</td>
<td>(Chinese character)</td>
</tr>
<tr>
<td>Resident Registration Number</td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>Name of Working Organization</td>
<td>Telephone</td>
</tr>
<tr>
<td>Optional Subject</td>
<td></td>
</tr>
<tr>
<td>Item of Education Completed</td>
<td>Course Title</td>
</tr>
<tr>
<td>Item of License, Qualification</td>
<td>Type</td>
</tr>
<tr>
<td>Exemption of Examination</td>
<td>Basis</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Confirmation

* Do not fill-out, officer only

To the Nuclear Safety and Security Commission

I hereby apply for the *th nuclear power-related license examinations. I hereby confirm the correctness of above mentioned items and swear to raise no objection for the cancellation of license or notification of examination passage, if the above mentioned items are revealed difference from these facts.

(Year) (Month) (Date)

Name of Applicant (Seal)

Attached Documents:
1. 1 photograph (a bust shot of 3 centimeters by 4 centimeters in size taken within the past three months with the head exposed)
2. 1 copy of evidentiary documents necessary for any exemption from examination (only in those where the applicant wants exemption of a part of such license examination)

Applying Certificate for Examination

( )th Nuclear Power-Related License Examination

<table>
<thead>
<tr>
<th>Type of License</th>
<th>Reactor Type and Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optional Subject</td>
<td>Name of Applicant</td>
</tr>
<tr>
<td>Confirmation of Examination Exemption</td>
<td>Resident Registration Number</td>
</tr>
<tr>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Year) (Month) (Date)

The Nuclear Safety and Security Commission

STAMP

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Cautions for Applicant

1. The applicant shall bear ① Application Card ② Identification ③ black or blue ball-point pen ④ Calculator ⑤ Computer sign-pen(for OMR answer paper), etc. and be in the designated examination room before thirty(30) minutes of examination start.

2. If the applicant cheats in the examination, the examination shall be null and void, his qualification for applying the examination shall be ceased for three(3) years from the applying date.

<table>
<thead>
<tr>
<th>※ Fill-out by Applicant</th>
<th>Prearranged Notification Date of Written Examination Passage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ARS No. and Internet Address</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Education Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year Month Date</td>
</tr>
<tr>
<td>Year Month Date</td>
</tr>
<tr>
<td>Year Month Date</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Carrier Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>※ The carrier items shall be only marked about them after the graduation of final education (or License • Qualification)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Working Place (fill- out to Dept. • Office)</th>
<th>Service Items</th>
<th>Period of Service</th>
<th>No. of years Months</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>from ~ to</td>
<td></td>
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<td></td>
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</tr>
</tbody>
</table>
## Enforcement Regulation of the Nuclear Safety Act [Attached Form 101]

### Application for Issue of Certificate of Nuclear Related License

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>15 Days</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Name</th>
<th>Resident Registration Number</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Address</th>
<th>Telephone</th>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>Working Organization</th>
<th>Department and Position</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Location</th>
<th>Telephone</th>
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<table>
<thead>
<tr>
<th></th>
<th>Type of License</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Type and Capacity of Reactor</th>
</tr>
</thead>
</table>

I hereby apply for issue of certificate of license as described above in accordance with Article 88 (1) of the Act and Article 118 (2) of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

---

**Attached Documents**

- photograph (a bust shot of 2.5 centimeters by 3 centimeters in size taken within the past three months with the head exposed)

fee : In accordance with Table 8 of the Regulation

---

**Process of disposal**

- Preparation for Application
- Receipt
- Documents Review
- Preparation for License Certificate
- Reception of License Certificate

---

*210mm × 297mm [Wood free paper 80g / m² (recycling)]*
Enforcement Regulation of the Nuclear Safety Act [Attached Form No. 102] <Amended on 21 July 2015>

Notes

1. This license shall be revoked if it has been obtained by illegitimate means, lent to other persons or entities, or exercised illegally. (Article 86 of the Nuclear Safety Act)

2. The holder of this certificate may request its re-issuance in the event that it is damaged or lost. (Article 126 of the Enforcement Decree of the Nuclear Safety Act)

Certificate of License

Type of License:
Supplier:
Type and Capacity of Reactor:
Name:
Date of birth:
Address:

This certificate of license shall be issued in accordance with Article 88 (1) of the Act and Article 118 of the Regulation

Date of Issue:

NUCLEAR SAFETY AND SECURITY COMMISSION
REPUBLIC OF KOREA

Official seal
### Enforcement Rule of the Nuclear Safety Act

<table>
<thead>
<tr>
<th>Period</th>
<th>Education courses completed</th>
<th>Confirmed</th>
</tr>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Period</th>
<th>Education courses completed</th>
<th>Checked</th>
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<thead>
<tr>
<th>Period</th>
<th>Changes in personal identity data</th>
<th>Checked</th>
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<th>Period</th>
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</tbody>
</table>
The Nuclear Safety and Security Commission

80m\(\times\)130mm [wood-free printing paper 150g/㎡]

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---

Notes

1. This license shall be revoked if it has been obtained using illegitimate means, lent to other persons or entities, or exercised illegally. (Article 86 of the Nuclear Safety Act)

2. The holder of this certificate may request its re-issuance in the event that it is damaged or lost. (Article 126 of the Enforcement Decree of the Nuclear Safety Act).

---

Certificate of License

Type of License:
Name:
Date of birth:
Address:

This certificate of license shall be issued in accordance with Article 88 (1) of the Act and Article 118 of the Regulation

Date of Issue:

NUCLEAR SAFETY AND SECURITY COMMISSION REPUBLIC OF KOREA
<table>
<thead>
<tr>
<th>Period</th>
<th>Education courses completed</th>
<th>Confirmed</th>
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<tr>
<th>Period</th>
<th>Education courses completed</th>
<th>Checked</th>
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</tbody>
</table>
Enforcement Rule of the Nuclear Safety Act

■ Enforcement Regulation of the Nuclear Safety Act [Attached Form 104]

Nuclear Power-Related License Notebook

[ ] Reissue
[ ] Correction
[ ] Renewal

Application

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>1 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td></td>
<td>Resident Registration Number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td></td>
<td>(Tel : )</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working Place</td>
<td></td>
<td>Department and Position</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td></td>
<td>(Tel : )</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type of License</td>
<td></td>
<td>License Number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type and Capacity of Reactor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Items Changed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reasons of Application</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

I hereby apply for [reissue / correction / renewal] of certificate of license in accordance with Article 88 (1) of the Act, Article 126 of the Decree and Article 119 of the Regulation

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. certification of license (in case of loss of it, reasons of loss)
2. photograph (a bust shot of 2.5 centimeters by 3 centimeters in size taken within the last three months with the head exposed)
3. documents to confirm the items changed (only in case of correction application)

fee : In accordance with Table 8 of the Regulation

process of disposal

Preparation for Application ➔ Receipt ➔ Documents Review ➔ Preparation / Issue for License Certificate ➔ Receipt of License Certificate

Applicant ➔ Nuclear Safety and Security Commission ➔ Applicant

210mm × 297mm [Wood free paper 80g / ㎡ (recycling)]
**Report on Transfer and Acquisition**

<table>
<thead>
<tr>
<th>Details of Transfer and Acquisition</th>
<th>Kind</th>
<th>Quantity and Serial Number</th>
<th>Kind</th>
<th>Quantity and Serial Number</th>
</tr>
</thead>
</table>

I hereby file a report on transfer and acquisition of the [radioactive materials, etc. / radiation generation devices] in accordance with Article 94 of the Act and Article 123 of the Regulation.

Date of Transfer and Acquisition: (Year) (Month) (Date)

Date of Report: (Year) (Month) (Date)

Transferor: Name of Representative

(Seal)

Radiation Safety Officer

(Seal)

Transferee: Name of Representative

(Seal)

Radiation Safety Officer

(Seal)

To the Nuclear Safety and Security Commission

---

**Attached Documents**

1. 1 copy of related evidentiary document including the design approval; and
2. 1 copy of radioisotope leakage checking records.

**Fee**

None

---

**Process of Disposal**

- Preparation for Application
- Receipt
- Documents Review
- Notification about the results of the review
- Check the results

Applicant

Nuclear Safety and Security Commission

Applicant

---

210mm × 297mm [Wood free paper 80g /㎡ (recycling)]

---

499
Report on the [Cancellation of Permit, etc. / Discontinuance] of [Business / Use]

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>15 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Corporation</td>
<td>Registration Number of Business</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location of Business</td>
<td>Telephone</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name of Representative</td>
<td>Date of Birth</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name of Place of Business</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location of Business Place</td>
<td>Telephone</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department in Charge</td>
<td>Person in Charge</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Serial Number of Permit or Notification</td>
<td>Date of Issue</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date of (Cancellation / Death / Discontinuance / Dissolution)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Radioactive Materials in Possession at the time of [Cancellation / Death / Discontinuance / Dissolution]

<table>
<thead>
<tr>
<th>Kind</th>
<th>Quantity</th>
</tr>
</thead>
</table>

hereby file a report on the [cancellation of permit, etc. / discontinuance of business(use)] in accordance with Article 95 (1) of the Act, Article 137 (2) of the Decree and Article 126 of the Regulation.

(Year) (Month) (Date)

Reporter

(signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents

1. 1 copy of measures taken in relation to radiation generating devices or radioactive materials, etc.;
2. 1 copy of matters related to the delivery of medical checkup records, etc. of radiation workers; and
3. a permit or report completion certificate (in those cases where such permit or certificate is lost, written cause thereof)

Fee : None

process of disposal

<table>
<thead>
<tr>
<th>Preparation for Application</th>
<th>Receipt</th>
<th>Documents Review</th>
<th>In-situ Inspection/Notification</th>
<th>Check the results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Nuclear Safety and Security Commission</td>
<td>Applicant</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

210mm × 297mm [Wood free paper 80g / m² (recycling)]
### Certificate of Collection of Inspection Samples

<table>
<thead>
<tr>
<th>Name of Place Business</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item of Collection Samples</td>
<td>Quantity</td>
</tr>
<tr>
<td>Manufacturing Number</td>
<td>Place of Production</td>
</tr>
<tr>
<td>Date of Collection</td>
<td>(Year) (Month) (Date)</td>
</tr>
<tr>
<td>Place of Collection</td>
<td></td>
</tr>
<tr>
<td>Status of Keeping</td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td></td>
</tr>
</tbody>
</table>

Inspector: Position Name (Seal)

---

### Certification of Collection of Samples for Inspection

<table>
<thead>
<tr>
<th>Name of Place Business</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item of collection Samples</td>
<td>Quantity</td>
</tr>
<tr>
<td>Manufacturing Number</td>
<td>Place of Production</td>
</tr>
<tr>
<td>Date of Collection</td>
<td>(Year) (Month) (Date)</td>
</tr>
<tr>
<td>Place of Collection</td>
<td></td>
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<tr>
<td>Status of Keeping</td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td></td>
</tr>
</tbody>
</table>

This is to confirm that the above item have been collected in accordance with Article 98 (2) of the Act and Article 140 of the Decree.

Inspector: position Name (Seal)
Identification Card of Inspector

No.

Name

The Nuclear Safety and Security Commission

55mm×85mm [Wood free paper 120g/㎡]

(color: light sky-blue)

Identification Card of Inspector

Organization/Position:
Name:
Date of Birth:
Expiration date: From ... to ...

This is to certify that the above person is the inspector specified in accordance with Article 98 (7) of the Act.

(Year) (Month) (Date)

The Nuclear Safety and Security Commission

STAMP

1. Not transferable/lend to another person
2. Any person who picked up this certificate is hoped to put it into the nearest post box.
Application for Approval of Topical Report

<table>
<thead>
<tr>
<th>receipt number</th>
<th>receipt date</th>
<th>processing date</th>
<th>processing period</th>
<th>24 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Name</td>
<td>Resident Registration Number</td>
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</tr>
<tr>
<td></td>
<td>Name of Representative</td>
<td>Date of Birth</td>
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<tr>
<td></td>
<td>Address</td>
<td>Telephone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Place</td>
<td>Name</td>
<td>Location</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Type of Reactor Facilities to which Report is to be Applied

Title and Overview of Report

Adequacy of Subjects

In Case it is not Released to the Public, the Reason therefor

I hereby apply for approval of topical report in accordance with Article 100 (1) of the Act and Article 131 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Attached Documents 5 copies of topical report (2 copies in case electronic files with same contents are submitted).

fee: In accordance with Table 8 of the Regulation

process of disposal

Applicant → Receipt → Documents Review → Decision of Approval/Notification → Check the results

Nuclear Safety and Security Commission

Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
# The Inspection List of a Draft Radiation Environmental Report

<table>
<thead>
<tr>
<th>Name of Business</th>
<th>Location of Business Place</th>
<th>Enterpriser</th>
<th>Head of a City of Management (Head of a Country or District)</th>
<th>Place of Public Inspection</th>
<th>Period of Inspection</th>
</tr>
</thead>
</table>

## Inspecting Person

<table>
<thead>
<tr>
<th>Serial Number</th>
<th>Date of Inspection</th>
<th>Name</th>
<th>Address</th>
<th>Telephone</th>
<th>Remark</th>
</tr>
</thead>
</table>

Person in charge of public inspection
Department :
Rank :
Name :
(Seal)

210mm × 297mm [Wood free paper 80g / m² (recycling)]
### Review Register of Draft Disassembly Plans

<table>
<thead>
<tr>
<th>Project name</th>
<th>Location of business place</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Business operator</td>
</tr>
<tr>
<td>Responsible mayor (or head of a Gun or Gu)</td>
<td>Place of public review</td>
</tr>
<tr>
<td></td>
<td>Period of public review</td>
</tr>
</tbody>
</table>

#### Public reviewers

<table>
<thead>
<tr>
<th>Serial number</th>
<th>Date of review</th>
<th>Name in full</th>
<th>Address:</th>
<th>Phone No.</th>
<th>Remarks</th>
</tr>
</thead>
</table>

Organization: , position: , name in full of public review manager: (sign or seal impression)

210㎜ × 297㎜ [wood-free printing paper 80g/m² (recycled)]
## Cover Letter of Residents’ Opinions Submitted

<table>
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1. Contents of draft assessment report or draft disassembly plan (Additional sheets may be used if additional space is required)
2. Comments as to necessity of public hearing

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Necessity of public hearing

I hereby submit my opinion as to the contents of the draft assessment report, the draft disassembly plan, and the necessity of a public hearing pursuant to Article 144 (1) of the Enforcement Decree of the Nuclear Safety Act.

Date

Declared by (sign or seal impression)

To the mayor, head of county or district
# Enforcement Regulation of the Nuclear Safety Act

## Application for Statement

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Main Contents of Statement
(In case of bulky volume, accompanying paper may be used)

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I hereby apply for a statement in accordance with Article 145 (3) of the Decree.

(Year) (Month) (Date)

Name of Submitting Person (signature or seal)

**To: Head of a City, County, District**

.............................. (signature) .............................. <detached line> ..............................

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This is to confirm that your application for statement is duly received in accordance with Article 145 (3) of the Decree.

(Year) (Month) (Date)

**Head of a City, County, District**

STAMP

210mm × 297mm [Wood free paper 80g / m² (recycling)]
# Notice of the Results of a Public Hearing

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This is to notify the results of a public hearing in accordance with Article 145 (6) of the Decree.

(Year) (Month) (Date)

Name of Submitting Person (signature or seal)

To: Head of a city, country district

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<tr>
<th>Attached Documents</th>
<th>1 copy of list of attendees at public hearing (including experts recommended by residents)</th>
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**Application for Refresher Education**

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I hereby apply for refresher education in accordance with Article 149 (1) of the Decree and Article 140 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

Experience

back page reference

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**process of disposal**

Preparation for Application ➔ Notification about the results of the review ➔ Check the results

Applicant

Nuclear Safety and Security Commission

Applicant

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### Application for Reissue of the Certificate, etc. of Nuclear-related License

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I hereby apply for reissue of license, etc. in accordance with Article 147 of the Regulation.

(Year) (Month) (Date)

Name of Applicant (signature or seal)

To the Nuclear Safety and Security Commission

### Attached Documents

1. Certificate of (permit, designation, report completion)
2. If lost, written reasons therefor

Fee : None

### process of disposal

- Preparation for Application
- Receipt
- Document Review
- Preparation/ Issue for permit Certificate, designation, report completion Certificate
- receipt for permit Certificate, designation, report completion Certificate

Applicant Nuclear Safety and Security Commission Applicant

210mm × 297mm [Wood free paper 80g / m² (recycling)]
Regulations on Technical Standards for Nuclear Reactor Facilities, Etc
Regulations on Technical Standards for Nuclear Reactor Facilities, Etc.

Chapter I General Provisions

Article 1 (Purpose)

These rules are set forth to provide the technical standards for the location, structure, equipment, performance, operation, quality assurance, disassembly and accident management of nuclear reactors, other related facilities, and nuclear fuel cycling facilities based on Articles 11, 21 (including cases where Article 21 is applied with necessary modifications under Article 30 (3) and 30-2 (3)), 26 (including cases where Article 26 is applied with necessary modifications under Article 34), 35, 36, and 40 of the Nuclear Safety Act, and Articles 41 (1), 41-2 (2), 68-2 (2) and 68 (1) of its Enforcement Decree.

Article 2 (Definitions)

(1) Terms used herein are defined as follows:
1. The term “primary coolant” means the fluid that directly absorbs the heat generated from the core of the nuclear reactor.
2. The term “secondary coolant” means the fluid that operates a turbine by absorbing the heat of primary coolant by means of heat exchangers.
3. The term “safety facilities” means those facilities falling under any of the following, of which failure/damage may directly or indirectly impose a radiation hazard to the public:
a. Facilities of the primary coolant system and safety-related instrumentation and control systems, other facilities necessary for safe operation of a nuclear reactor at normal operations, and the appurtenances thereof;
b. Emergency core cooling system, emergency shutdown system, and other facilities and their appurtenances necessary to ensure safety of a nuclear reactor at emergency conditions;
c. Nuclear reactor containment vessel; and
d. Emergency power supply system and its appurtenances.

4. The term “reactor coolant pressure boundary” means the pressure vessel, pipe, pump and valve that are subject to pressure of primary coolant, and its outermost boundary consists of the components that fall under any of the following:
a. Outermost containment vessel isolation valve in the case of system pipings penetrating a containment vessel;
b. The second valve between the two valves that remain closed at all times during normal operations in the case of system pipings not penetrating a containment vessel; and
c. Safety valves and relief valves of the primary coolant system.

5. The term “structures, systems, and components important to safety” means safety-related facilities among reactor facilities that are essential to safety in that they perform critical safety functions, and non-safety-related facilities whose failure may directly affect the performance of functions by safety-related facilities.

6. The term “normal operation” means operation of a power plant performed within the scope of prescribed limiting conditions for operation (LCO) that includes the operation modes of power operation, reactor shutdown, shutdown operation, startup, maintenance, testing, and refueling operation.

7. The term “anticipated operational occurrence” means the operational condition that deviates from normal operation but does not cause any significant damage to the facilities important to safety, or leads to accident conditions, which are expected to occur several times during the lifetime of reactor facilities.

8. The term “design basis” means those standards that are set in order to prevent the conditions of reactor facilities from exceeding prescribed limits in respect of operational states or accidents of reactor facilities expected to occur during the lifetime of a nuclear power plant, which apply as the standards to ensure the minimum functions or performance of installations of reactor facilities, that must be considered in design of such installations.

9. The term “design basis accident” means an accident that must be considered in design of facilities to ensure that such facilities meet the design basis.

10. The term “specified acceptable fuel design limits (SAFDL)” means the
design limits that are set in respect of departure from nucleate boiling ratio, fuel peak temperature, and so forth in order to prevent any damage to fuels during normal operations and anticipated operational occurrences.

11. The term “single failure” means a failure which results in the loss of capability of a component to perform its intended safety functions, and multiple failures resulting from such failure are considered to be a single failure.

12. The term “loss of offsite or onsite power—single failure” means a single failure of a component in a situation where only one of the onsite and offsite electrical power sources of a power plant is available.

13. The term “initial test” means a series of test to be performed after the completion of installation of reactor facilities until the commencement of commercial operation in order to demonstrate that installed structures, systems, and components can perform such functions and performance as intended at the design, which includes cold and hot functional tests to be implemented prior to fuel loading, initial fuel loading tests, and pre-criticality tests, initial criticality tests, low power physics tests and power ascension tests to be implemented after initial fuel loading.

14. The term “limiting conditions for operation” means the minimum level of functions or performance required to ensure the safety of reactor facilities. When a limiting condition for operation is not met, the reactor shall be shutdown or any remedial action shall be followed.

15. “Multiple malfunctions” shall mean the loss of the ability to perform the relevant safety functions as two or more appliances fail at the same time, in excess of any single failure.

(2) Terms used herein other than those set forth in the foregoing Paragraph (1) shall have the same meaning as provided in the Nuclear Safety Act (hereinafter referred to as “Act”) and the Enforcement Decree thereof (hereinafter referred to as “Decree”).

Chapter II Technical Standards for Reactor Facilities

Section 1 Location of Reactor Facilities

Article 3 (Scope of Application)

(1) As regards the technical standards for the location of nuclear reactor and related facilities (hereinafter referred to as “reactor facilities”) as provided in Subparagraph 2 of Article 11 (including the cases to which
the relevant provisions apply mutatis mutandis in accordance with Article 30 (3) of the Act and Subparagraph 1 of Article 12 (5) of the Act, the provisions of Articles 4 through 10 hereof shall apply.

(2) Among the technical standards as provided in the foregoing Paragraph (1), certain standards may not apply in those cases where it is acknowledged by the Nuclear Safety and Security Commission that such standards are not directly applicable to the relevant reactor facilities due to the difference in the purpose of, the operational principle of, or the design features of such facilities, or that safety is not affected even if such standards are not applied.

**Article 4** (Geological Features and Earthquakes)

(1) Reactor facilities shall be installed at a place acknowledged to have little chance of earthquakes or surface deformation.
(2) Reactor facilities shall be installed at a place with no possibility of collapse or sinking of the ground surface at the place of their installation and its vicinity and with a stable slope and ground.
(3) Detailed technical standards as regards investigation, analysis and assessment of geological and seismic characteristics, surface faulting, and ground surface and foundation characteristics as provided in the foregoing Paragraphs (1) and (2) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

**Article 5** (Limitations on Location)

(1) Reactor facilities shall be located away from very densely populated areas.
(2) Reactor facilities shall be installed at a place where the total radiation dose to public in the event of an accidental release of radioactive materials does not exceed the acceptable value determined and publicly notified by the Nuclear Safety and Security Commission.

**Article 6** (Meteorological Conditions)

(1) Reactor facilities shall be installed at a place that is acknowledged to have little chance of any serious accidents, based on investigation and assessment of meteorological conditions including hurricanes, heavy snow and rainfall, or tornados.
(2) Reactor facilities shall be installed at a place that is acknowledged to have no radiation hazard, based on investigation and assessment of the diffusion and dilution characteristics of radioactive materials in case
that such materials are released into the air from the facilities.
(3) Detailed standards as regards investigation and assessment of the meteorological conditions as provided in the foregoing Paragraph (1) and the diffusion and dilution characteristics of radioactive materials in the air as provided in the foregoing Paragraph (2) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 7 (Hydrologic and Oceonographic Conditions)

(1) Reactor facilities shall be installed at a place that is not affected by river flooding caused by failure of upstream reservoirs or dams, rain and so forth.
(2) Reactor facilities shall be installed at a place that is acknowledged to pose no risk to the safety thereof with regard to the influence of coastal flooding caused by natural phenomena including tsunamis, seawater level and surges.
(3) Reactor facilities shall be installed at a place that is acknowledged to have no radiation hazard, based on investigation and assessment of the diffusion, dilution and adsorption characteristics of radioactive materials in case that such materials are released into the surface water, ground water and seawater from such facilities.
(4) Reactor facilities shall be installed at a place to which service and cooling water necessary for operation thereof can be supplied.
(5) Detailed standards for the location of reactor facilities as provided in the foregoing Paragraphs (1) through (3) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 8 (Impact of Man-Made Accident)

(1) Reactor facilities shall be installed at a place that is acknowledged to have no hazard, based on investigation and assessment of the impact of an accident at industrial facilities producing or handling dangerous materials, transportation means and so forth.
(2) Detailed standards as regards the investigation and assessment of the impact of an accident at reactor facilities as provided in the foregoing Paragraph (1) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 9 (Feasibility of Emergency Plans)
The site of reactor facilities shall be determined at such a place where an emergency plan can be implemented in order to protect the people against radiological emergency.
Article 10 (Construction of Multiple Units)

(1) If more than one reactor units and their related facilities are constructed on a site, the multiple reactor facilities shall be installed on such a site where site–related factors of any one unit do not affect the safety of the other units.
(2) In the case of the foregoing Paragraph (1), the boundary of the exclusion area for the multiple units shall be designated as the entire boundary enveloped by the exclusion areas calculated for each individual unit.

Section 2 Structure, Installations, and Performance of Reactor Facilities

Article 11 (Scope of Application)

(1) As regards the technical standards for the structure, installations, and performance of reactor facilities as provided in Subparagraph 2 of Article 11 (including cases to which the relevant provisions apply mutatis mutandis in accordance with Article 30 (3) of the Act), Subparagraph 1 of Article 12 (5) and Subparagraph 2 of Article 21 of the Act (including cases to which the relevant provisions apply mutatis mutandis in accordance with Article 30–2 (3) of the Act), the provisions of Articles 12 through 49 hereof shall apply.
(2) Among the technical standards as provided in the foregoing Paragraph (1), certain standards may not apply in those cases where it is acknowledged by the Nuclear Safety and Security Commission that such standards are not directly applicable to the relevant reactor facilities due to the difference in the purpose of, the operational principle of, or the design features of such facilities, or that safety is not affected even if such standards are not applied.

Article 12 (Safety Classes and Standards)

(1) Structures, systems, and components important to safety shall be designed, fabricated, installed, tested, and inspected in accordance with the safety classes and standards commensurate with the importance of safety functions to be performed. Safety classes and standards shall be determined and publicly notified by the Nuclear Safety and Security Commission.
(2) Standards other than those determined and publicly notified by the
Nuclear Safety and Security Commission as provided in the foregoing Paragraph (1) shall be applied after approval thereof by the Minister of Education, Science and Technology based on review and assessment with respect to the applicability, adequacy and sufficiency thereof. In such case, the Nuclear Safety and Security Commission can supplement or amend relevant standards, if necessary, to ensure safety of reactor facilities.

**Article 13 (External Events Design Bases)**

(1) Structures, systems, and components important to safety shall be designed to withstand the effects of potential natural phenomena including earthquakes, hurricanes, floods and tsunamis, and the effects of potential man–induced external events including airplane crashes and explosions without loss of capability to perform their safety functions.

(2) Design bases as regards structures, systems, and components important to safety shall consider each of the following:

1. The most severe natural phenomena and man–induced external events considering the historical records for the relevant site and surrounding areas;

2. Combination of the effects of normal operations or accident conditions with the effects of natural phenomena and/or man–induced external events, considering the probability of concurrent occurrences thereof;

3. The importance of safety functions to be performed; and

4. Appropriate provisions to defend against the third party access to reactor facilities in the design of the buildings and site layout.

**Article 14 (Protection against Fire Protection, etc.)**

(1) Structures, systems, and components important to safety shall be designed and located in conformity with each of the following requirements in order to minimize the probability and the effects of fires and explosions:

1. The capability for reactor safe shutdown, residual heat removal, and confinement of radioactive materials shall not be impaired significantly at the occurrence of a fire in any area within reactor facilities;

2. Noncombustible and fire–proof/heat–resistance materials shall be used wherever practical throughout the plant. Fire detection and fire fighting systems of appropriate capacity and capability shall be installed for minimizing the adverse effects of fires on structures, systems, and components important to safety, commensurate with the importance of the structures, systems, and components.

3. Fire fighting systems shall be designed and arranged to ensure that their failure, damage or malfunction does not significantly impair the safety performance of the structures, systems, and components important to
safety.

(2) As regards reactor facilities, a fire hazard analysis shall be performed in consideration of each of the following:
1. Classification of fire protection areas;
2. Types and size of combustible materials;
3. Categories of design bases fires;
4. Fire detection and fighting facilities;
5. Fire hazard assessment; and

(3) Technical standards as regards the fire hazard analysis as provided in the foregoing Paragraph (2) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 15 (Environmental Effects Design Bases, etc.)

(1) The structures, systems, and components important to safety shall be designed to meet each of the following requirements in order to prevent any damage caused by environmental and dynamic effects:
1. They shall accommodate the effects of, and be compatible with the environmental conditions of normal operation, anticipated operational occurrences and design bases accidents;
2. Aging degradation caused by such environmental conditions as provided in the foregoing Subparagraph 1 shall be considered; and
3. They shall be appropriately protected against dynamic effects, including the effects of missiles, pipe whipping, discharging fluids, and internal floods, that may result from equipment failure inside a nuclear power unit. However, in cases where it is demonstrated that the probability of fluid system piping rupture is extremely low under the conditions consistent with the piping design basis, the dynamic effects related with postulated piping rupture may be excluded from the design basis.

(2) The following components shall be installed in such a way that prevents any damage caused by vibrations resulting from the circulation, boiling, and etc. of primary or secondary coolants: fuel assembly, moderators, reflectors, and associated supports; thermal shields; and vessels, pipes, pumps, and valves that are part of primary coolant system.

Article 16 (Sharing of Structures, Systems, and Components)

(1) Structures, systems, and components important to safety shall not be shared among more than two nuclear facilities.

(2) Notwithstanding the foregoing Paragraph (1), structures, systems, and
components important to safety may be shared in cases where such facilities meet all the following requirements:
1. For each nuclear facilities, all the safety requirements for the relevant shared facilities are satisfied; and
2. In the accident conditions of one of the units sharing the structures, systems, and components, an orderly shutdown, cooldown, and residual heat removal of the other units shall be achievable.

**Article 17** (Reactor Design)

(1) The reactor core and associated coolant system, control system, and protection system shall be designed with appropriate margins to assure that specified acceptable fuel design limits are not exceeded during normal operation conditions and anticipated operational occurrences.
(2) In those cases where it is probable that the material properties of a reactor pressure vessel may be significantly degraded by irradiation, thermal shields shall be installed for the prevention of its degradation.

**Article 18** (Inherent Protection of Reactor)

The reactor core and associated coolant systems shall be designed so that, in all power operating range, the net effect of prompt inherent nuclear feedback characteristics tends to compensate for a rapid increase in reactivity.

**Article 19** (Suppression of Reactor Power and Power Distribution Oscillations)

The reactor core and associated coolant system, control system, and protection system shall be designed to assure that power and power distribution oscillations which can result in conditions exceeding specified acceptable fuel design limits are not possible or can be readily detected and suppressed.

**Article 20** (Instrumentation and Control System)

(1) In order to obtain adequate information required for the reliable and safe operation of the plant, instrumentation shall be provided to monitor related variables, including the following, and systems over their anticipated ranges of normal operations, anticipated operational occurrences, and accident conditions. Provided, that it should be difficult to measure some variable directly, the apparatus that measure them indirectly may be used as a substitute:
1. Neutron flux density of a reactor core.
2. Location of the control rod and density of liquid control materials, if used.
3. Information on the primary coolant set forth in each of the following:
   a. Concentration of radioactive materials and impurities; and
   b. Pressure, temperature, and flow rate at the entrance/exit of a reactor
      pressure vessel.
4. Water level of a reactor pressure vessel (including a pressurizer, if any) and of steam generators.
5. Pressure, temperature, and flow rate of the secondary coolant at the exit
   of steam generators, and concentration of radioactive materials in the
   secondary coolant.
6. Pressure, hydrogen concentration, and radioactive material concentration
   inside a containment vessel.
7. Concentration of radioactive materials in ventilated air at the exit of a
   ventilation duct or its vicinity.
8. Concentration of radioactive materials in draining water at the drainage
   outlet or its vicinity.
9. Radiation dose rate in the radiation control area.
10. Direction and velocity of the wind, atmospheric stability, precipitation,
    and temperature at the site where the plant is located.
11. Concentration of radioactive materials and radiation dose rate in the air
    on the boundary of the exclusion area of the plant.
(2) Appropriate controls shall be installed with high reliability to maintain the
variables and systems referred in the foregoing Paragraph (1) within specified
operating ranges. Adequate automatic recordings of measurements of
parameters important to safety shall be provided.

Article 21 (Reactor Coolant Pressure Boundary)

(1) The reactor coolant pressure boundary shall be designed, fabricated,
erected, and tested so that the probability of abnormal leakage, rapidly
propagating failure, or gross rupture is extremely low.
(2) Means shall be provided for detecting and, to the extent practical,
identifying the location of the source of reactor coolant leakage.
(3) Regarding a reactor pressure vessel, a material surveillance program
shall be established to evaluate periodically the effects of changes in
material properties due to irradiation on its structural integrity. And
surveillance test specimens shall be installed in it.
(4) Requirements for material surveillance test and specimens as provided
in the foregoing Paragraph (3) are determined and publicly notified by the
Nuclear Safety and Security Commission.
Article 22 (Reactor Coolant System, etc.)

(1) The reactor coolant system and associated auxiliary, control, and protection systems shall be designed with sufficient margin to ensure that the design conditions of the reactor coolant pressure boundary are not exceeded during normal operation conditions including anticipated operational occurrences.
(2) Reactor coolant system shall be able to maintain constantly the quantity or pressure of the coolant to ensure that the specified design limits are not exceeded during normal operation conditions and anticipated operational occurrences, taking into account its volumetric changes and leakages.
(3) Reactor coolant system shall be designed to ensure that concentration of radioactive materials in and water quality of reactor coolants are maintained within the limiting conditions for operation.
(4) Reactor coolant system shall be designed to prevent any reverse flow of the coolant to connected systems, and to be isolated from the connected systems.

Article 23 (Reactor Containment, etc.)

(1) Reactor containment and associated systems shall be installed to have the function of leak tight protective barrier in order to minimize uncontrolled release of radioactive materials to the environment for all accident conditions considered in the design, and shall meet each of the following requirements:
1. Means for containment heat removal shall be provided to reduce rapidly the containment pressure and temperature following any design bases accidents and to maintain them at acceptable low levels;
2. Means to reduce the amount of fission products shall be provided to minimize the release of radioactive materials to the environment during design basis accidents. And, means to control the combustible gases and other substances which may be released into the containment during accident conditions and challenge containment integrity shall be provided;
3. Containment structure and associated sub-systems shall be designed so that they can sustain the pressure and temperature conditions resulting from any design basis accidents, without exceeding the design leakage rate and with sufficient margin;
4. Containment and associated sub-systems shall be designed so that periodic leakage rate testing can be performed at the maximum containment pressure expected in design basis accidents as determined
5. Materials used in containment pressure boundary shall have such characteristic as maintain the safety to the maximum extent to cope with containment pressure increase, and have sufficient margin to assure that the probability of rapidly propagating fracture is minimized; and
6. Each penetration and piping that penetrates the containment shall be reliably isolated to prevent the release of radioactivity to the environment above acceptable limits.

(2) A reactor containment vessel, vessels connected thereto and other vessels installed to prevent any leakage of radioactive materials released from components therein shall meet the leakage criteria for leak tightness testing as determined and publicly notified by the Nuclear Safety and Security Commission.

Article 24 (Electric Power System)

(1) Onsite and offsite electric power systems necessary for the performance of the functions of the structures, systems, and components important to safety shall be provided to nuclear reactor facility to meet the following requirements:
1. In the event of a loss of either onsite or offsite electric power systems, the remaining available system shall have sufficient capacity and capability to prevent the specified acceptable fuel design limits and the design conditions of reactor coolant pressure boundary from being exceeded in anticipated operational occurrences and to maintain the safety; and
2. The systems shall have sufficient capacity and capability to maintain reactor core cooling, containment structural integrity, and other essential functions in the design basis accidents.
(2) The onsite electric power system, including the batteries, and onsite electric distributions system shall have sufficient independency, redundancy, and testability necessary to maintain their safety functions assuming a single failure.
(3) Electric power from power transmission network to the onsite electric distribution system shall be supplied by two physically and electrically independent circuits to minimize the likelihood of their simultaneous failure under normal operation conditions, design basis accidents, and all environmental conditions. And it shall be designed to meet each of the following requirements:
1. Each circuit shall be available immediately following a loss of all the onsite alternating current power supply and the other offsite electric power circuit; and
2. One of the two independent circuits shall be available within a few seconds following loss of coolant accidents.

(4) The stability analysis of the electric grid shall assure that the probability of losing any of the remaining power sources as a result of the loss of at least one among the electric power sources by the nuclear power unit, from the transmission network, or from the onsite electric power sources including emergency power sources is extremely low.

(5) Safety-related electric power systems shall be designed to allow periodic tests and inspections in order to check the continuity of such systems and the states of their components.

(6) An alternative alternating current power source with necessary capacity and reliability shall be provided to prepare for the cases of total loss of alternating current power and no capability to cope with the such loss. The performance of the alternative alternating current power source shall be demonstrated through tests.

Article 25 (Control Room, etc.)

(1) A control room shall be provided at a nuclear power plant.

(2) The control room must be equipped with equipment that manipulates the control system and the facilities required for securing safety of the reactor in an emergency, such as an emergency core cooling system. And it must be provided with instruments that indicate operating states of major components constituting reactor and primary coolant systems, devices that indicate and record results of important measurements, and other major equipment essential to the safe operation of the reactor.

(3) Adequate radiation protection and ventilation facilities to protect operating personnel against radiation and toxic gases shall be provided at the control room, connected passages, and etc. in order to permit access to and occupancy of the control room without radiation dose of the personnel in excess of specified limits under accident conditions.

(4) At a remote shutdown control room, physically and electrically separated locations outside the control room, equipment shall be provided with a design capability for prompt hot shutdown and subsequent cold shutdown of the reactor, and for maintaining its safe states in accordance with suitable procedures in the case of a failure of the control room such as a fire.

Article 26 (Protection System)

(1) Protection system that meet each of the following requirements shall be installed at reactor facilities:

1. The protection system shall be designed to initiate automatically the
operation of appropriate systems including the reactivity control systems in order to assure that specified acceptable fuel design limits are not exceeded as a result of anticipated operational occurrences such as noticeable increase in reactor power or a significant reduction in core cooling capability.

2. The protection system shall be designed to sense accident conditions and to initiate the operation of systems important to safety.

(2) The protection system shall be designed in accordance with each of the following requirements in order to assure the performance of its safety functions:

1. The protection system shall meet each of the following requirements to ensure the reliability of the safety functions and to check any failure, etc. during operation:
   a. The design features of redundancy and independency shall be considered to ensure that no single failure results in loss of protection function, and that removal from service of any component or channel does not result in loss of the required minimum redundancy unless the acceptable reliability of operation of the protection system can be otherwise demonstrated; and
   b. The protection systems shall be designed to permit periodic testing of its functioning, including the capability to test channels independently, in order to check failures and loss of redundancy during reactor operation.

2. The effects of normal operation conditions including natural phenomena, checking, maintenance, and testing, anticipated operational occurrences, and accident conditions on multiple channels shall not result in lose of the protection functions.

3. The protection system shall remain in a safe state under a component failure, loss of energy sources such as electric power and instrument air, or the worst postulated environment conditions, by adoption of the design feature of fail-safe behavior.

4. The protection system shall be separated from the control systems to ensure that the protection system satisfies all the reliability, diversity, and independence requirements in the following states:
   a. Failure of a single component or channel of control systems;
   b. Failure of a common component or channel of control and protection systems; and
   c. Removal from service of a single channel.

5. The protection system shall be designed to assure that the specified acceptable fuel design limits are not exceeded for any single malfunction of the reactivity control systems such as accidental
withdrawal of control rods.
6. The protection system shall be able to accomplish the safety functions required in anticipated operational occurrences.
7. The protection system shall have the capability to adjust trip or operation set-points according to the operation conditions.
8. In the case of adoption of software-based digital equipment, the design concepts of defence-in-depth and diversity including manual functions shall be applied to the design of the protection system in order to assure the implementation of protection functions required at a common mode failure of software.

**Article 27** (Diverse Protection System)

(1) An additional independent protection system (hereinafter referred to as “diverse protection system”) which has the functions of reactor shutdown, actuation of emergency auxiliary feedwater system, and turbine trip shall be installed to prepare for anticipated transients without scram.
(2) The diverse protection system shall be separated from the protection system, ranging from the part of producing output signal of the equipment to monitor the operating condition to the driving mechanism of final actuator.

**Article 28** (Reactivity Control System)

(1) Reactivity control systems (meaning systems to control reactivity using control rods and using liquid absorber material by its injection or changes in its concentration) shall be installed to meet each of the following requirements:
1. Reactivity control systems shall be capable of reliably controlling anticipated reactivity changes under normal operations and anticipated operational occurrences, and capable of maintaining operating states without exceeding specified acceptable fuel design limits.
2. Two independent reactivity control systems of different design principles shall be provided and one of the systems shall use control rods.
3. One of the systems as provided in the foregoing Subparagraph 2 shall be capable of rendering the reactor subcritical from normal operation and maintaining the core subcritical under cold condition.
(2) The control rods system shall be capable of immediately performing its functions and reliably controlling reactivity changes to assure that specified acceptable fuel design limits are not exceeded with appropriate margin
under the condition of any single stuck rod.

(3) The second reactivity control system using liquid absorber material or etc. shall be capable of reliably controlling the rate of reactivity changes due to planned normal power changes to assure that specified acceptable fuel design limits are not exceeded.

(4) The reactivity control materials shall have necessary physical and chemical properties under the severe conditions caused by pressure, temperature, and radiation during normal operations.

Article 29 (Residual Heat Removal System)

(1) System capable of removing heat due to fission product decay heat and other residual heat from the core shall be installed to assure that specified acceptable fuel design limits and the design conditions of the reactor coolant pressure boundary are not exceeded.

(2) The system for residual heat removal shall have the design features of redundancy, leak detection, and suitable isolation capabilities to maintain the safety under the assumption of loss of offsite or onsite power—single failure.

Article 30 (Emergency Core Cooling System)

(1) A system for emergency core cooling with sufficient capability necessary to maintain the safety shall be installed to meet each of the following requirements following loss of residual heat removal capability or loss of reactor coolant accidents, and such system shall meet the requirements determined and publicly notified by the Nuclear Safety and Security Commission:

1. Cladding temperature shall not exceed an acceptable design value;
2. Oxidization and hydrogen generation in cladding shall be limited to an allowable level;
3. Deformation of fuel and internal structures shall not reduce the effective core cooling; and
4. Core cooling shall be ensured for a time necessary for the removal of decay heat.

(2) The system for emergency core cooling shall have the design feature of redundancy, leak detection, isolation, and containment capabilities to maintain the safety functions with sufficient reliability under the assumption of loss of offsite or onsite power—single failure.

Article 31 (Ultimate Heat Sink)

(1) A system to transfer the combined heat load of structures, systems, and
components important to safety to an ultimate heat sink during normal operations and design basis accident conditions shall be provided.

(2) The system shall have the design feature of redundancy, suitable interconnection and isolation capabilities, and etc. to maintain the safety under the assumption of loss of offsite or onsite power—single failure.

Article 32 (Processing and Storage Systems, etc. of Radioactive Wastes)

According to the following requirements, reactor facilities shall have a capability to process radioactive materials generated in them as suitable forms and conditions, to store them safely on the site, and to control release of radioactive materials to the environment.

1. The liquid and gaseous radioactive waste processing system shall meet each of the following requirements:
   a. The systems shall safely control releases of liquid and gaseous effluents containing radioactive materials generated during normal operations and anticipated operational occurrences. Sufficient holdup capacity for the retention of liquid and gaseous effluents shall be provided to impose limitations upon the release of such effluents to the environment to the utmost and to safely store radioactive materials within radioactive wastes processing system, where unfavorable site environmental conditions can be expected;
   b. The systems shall be capable of processing radioactive wastes generated from reactor facilities in order to maintain the concentration of radioactive materials in the water and air at the exclusion area boundary lower than the discharge limits prescribed by the Nuclear Safety and Security Commission;
   c. The gaseous radioactive waste processing system shall have ventilation and purification capability necessary for the prevention against radiation hazard, shall have structural characteristics for avoiding leakage and reverse flow of the gaseous radioactive wastes, and shall be able to prevent intake of contaminants through suction head of the air supply system; and
   d. Liquid or gaseous radioactive wastes generated from reactor facilities shall not be released at any place other than ventilation or drainage outlet.

2. The solid waste processing system shall be equipped with the provisions to solidify or stabilize such wastes into a form appropriate for disposal thereof or to contain such wastes in a vessel with verified disposal safety.

3. The radioactive waste processing systems shall be separated from the system treating non—radioactive wastes, and the floor thereof shall have a gradient that makes radioactive wastes flow into a drainage outlet or
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sump, with a dike built thereon for the prevention of leakage of radioactive materials to the outside of the facilities or spread of such leakage.

4. The radioactive waste storage system shall be able to safely store the amount of radioactive wastes on site, which are generated during normal operations including the anticipated operational occurrences.

**Article 33** (Fuel Handling and Storage Facilities)

(1) The facilities handling nuclear fuel assembly and spent fuel (hereafter referred to as “fuels”) shall be designed to meet each of the following requirements:
1. They shall have geometrically safe configuration to prevent fuels from criticality;
2. They shall have the capability of decay heat removal to prevent melting of fuels;
3. Damage of fuels shall be prevented during handling;
4. A cask containing fuels shall resist impacts, heat, and etc. during handling thereof and not be easily damaged;
5. As regards such a cask as provided in the foregoing Subparagraph 4, the radiation dose rate on the surface shall not be higher than 2 mSv per hour and the radiation dose rate at one meter from the surface shall not be higher than 0.1 mSv per hour when it contains fuels therein. However, these dose rates are not applied to the cask used in radiation control area only; and
6. The facilities shall contain fuels even at a loss of power.

(2) Fuels storage facilities shall be installed to meet each of the following requirements:
1. Criticality of fuels shall be prevented even under conditions of optimum moderation;
2. The facilities shall have the capability of decay heat removal, appropriate radiation shielding, containment, confinement, and purification;
3. The facilities shall have the capability to monitor the conditions which may result in loss of residual heat removal and excessive radiation levels, and to initiate appropriate safety actions; and
4. Fuels shall not be damaged by impacts, unacceptable stresses, corrosion, and etc.

**Article 34** (Radiation Protection Provisions)
Radiation protection provisions shall be provided at reactor facilities for protection against radiation exposure, in compliance with each of the following requirements:
1. Provisions for access control of workers to radiation and contaminated areas shall be provided;
2. Shielding provisions shall be provided where it is necessary to reduce the radiation levels for the protection of workers;
3. Equipment shall be provided to monitor the radiation levels and release of radioactivity during operational states and accidents, and to provide relevant collected information to the control room and other places requiring such information;
4. Surface of walls, floors and other places subject to radioactive contamination shall be made non-permeable and flat to be easily decontaminated;
5. Appropriate decontamination provisions shall be provided for the decontamination of personnel and equipment; and
6. Ventilation provisions shall be provided to ventilate the contaminated air with appropriate filtration capability and to limit airborne radioactive materials. It shall be assured that contaminated air flows from low contamination region to high contamination region, and the pressure of radioactive contamination region shall be maintained lower than that of the outside thereof for prevention of leakage or backflow of contaminated air.

Article 35 (Reactor Core, etc.)

Reactor core, and components adjacent to it within the reactor pressure vessel shall be designed to withstand the loadings due to pressure, temperature, and radiation expected to occur in normal operation conditions, anticipated operational occurrences, and design basis accidents, in appropriate combinations with the effects of earthquake, within the design basis to the extent necessary to ensure the safe shutdown of the reactor and cooling of the core.

Article 36 (Reactivity Control Material Drive Mechanism)

The drive mechanism of reactivity control materials shall meet each of the following requirements:
1. Control materials drive mechanism shall be capable of driving control materials at a speed suitable for the characteristics of reactor;
2. Control materials shall not be driven in such a way as to increase the reactivity of reactor core at a loss of driving power; and
3. As regards control rod drive mechanism, the drive mechanism shall be designed in such a way that dropping of the control rods or other impacts shall not damage control rods, fuel assemblies, moderators, reflectors, and
so forth.

**Article 37 (Overpressure Protection)**

In the components and systems subject to internal pressure, means to cope with overpressure, such as safety valves or relief valves, shall be installed as determined and publicly notified by the Nuclear Safety and Security Commission.

**Article 38 (Alarm Devices, etc.)**

(1) Devices to detect and automatically sound an alarm shall be installed at reactor facilities when there arises a likelihood that malfunctions, mismanipulation and so forth of equipment may cause a serious impediment to the operations of nuclear reactors or when there is a significant increase in the concentration of radioactive materials under Subparagraphs 7 and 8 of Article 20 (1) hereof or radiation dose rate under Subparagraph 9 of Article 20 (1).

(2) Devices to display the operational states of major equipment related to nuclear reactors, primary cooling system and radioactive waste processing facilities shall be installed at reactor facilities.

**Article 39 (Prevention of Collapse of Steep Slope, etc.)**

(1) In the zone with steep slope or with potential of collapse thereof in the area where reactor facilities are installed, it shall be ensured that the slope will not collapse.

(2) In case that reactor facilities could be damaged due to the settlement of foundation, the improvements of the foundation shall be made and other appropriate measures be taken.

**Article 40 (Use of Qualified Equipment)**

The equipment that is required to meet the demands for performing its functions during its design life shall be installed at reactor facilities after demonstration of the capability to perform its functions under the environment conditions where it must operate by operating experiences, analysis, tests, or a combination of them.

**Article 41 (Testability, Monitorability, Inspectability, and Maintainability)**

(1) The structures, systems, and components important to safety shall
be designed to be tested, monitored, inspected, and maintained in accordance with the importance of safety functions to be performed to ensure that their structural integrity, leak tightness, functional capability, and operability are maintained during the lifetime of the nuclear power plant.

(2) For cases where periodic testing, monitoring, inspection and maintenance are limited or not possible to detect the possible faults of components, safety measures shall be made in the design to cope with expected failures.

(3) Pressure vessels (excluding auxiliary boilers), pipings, major pumps and major valves shall meet the acceptance criteria of pressure retaining test determined and publicly notified by the Nuclear Safety and Security Commission.

Article 42 (Design Basis Accidents)

(1) Reactor facilities shall be designed to ensure that radiation dose to workers and public is maintained within the acceptable limits determined by the Nuclear Safety and Security Commission for a set of design basis accidents including internal and external events.

(2) The safety analysis for the design basis accidents shall be based on the deterministic methodology, and then the conservative rules and criteria incorporating conservative design margin shall be applied to the plant design.

Article 43 (Protection during Startup, Shutdown, and Low Power Operations)

(1) Reactor facilities shall be designed to maintain or rapidly restore the reactivity control function, residual heat removal capability and containment vessel integrity so as to maintain potential leakage of radioactive materials generated by accidents, which may occur during startup, shutdown and lower power operation, at the lowest possible level.

(2) Reactor facilities shall be capable of assessing, based on a probabilistic approach, the probability of fire, etc. that may occur during operation as provided in the foregoing Paragraph (1) including maintenance activities performed in the event of cold shutdown and refueling conditions and be capable of preventing resultant loss of the function of normal residual heat removal.

Article 44 (Reliability)

Structures, systems, and components that perform safety functions shall
meet each of the following requirements to assure and maintain sufficiently high reliability commensurate with the importance of the safety functions.

1. The principles of redundancy, diversity, functional independence, and physical separation shall be adopted in the design, considering their structure, operational principles, and safety functions to be performed; and

2. The safety functions shall be accomplished in case of loss of offsite or onsite power—single failure.

**Article 45 (Human Factors)**

(1) Human factors associated with the plant workers and man–machine interface shall be taken into account systematically in the design of reactor facilities.

(2) In the design of reactor facilities, each of the following requirements shall be considered in order to minimize the possibility of human error in operation:
   1. Accurate information shall be provided to operators to facilitate their correct decisions and to inhibit their wrong decisions;
   2. Means for detecting and correcting or compensating for error shall be provided; and
   3. Operators shall be allowed to have sufficient time for making decisions and taking actions.

**Article 46 (Optimization of Radiation Protection)**

In design stage of reactor facilities, suitable means to maintain radiation exposure during operation as low as reasonably achievable shall be considered through the assessment of the expected radiation dose of workers and public during operation.

**Article 47 (Emergency Response Facilities and Equipment)**

(1) In order to support the emergency response in case of radiological emergency, emergency response facilities shall be installed at reactor facilities.

(2) Suitable alarm systems and means of communication shall be provided so that all persons present in the reactor facilities can be warned and instructed at accident conditions.

(3) The reactor facilities shall have simple, clearly and durably marked safe escape routes with reliable emergency lighting.

(4) The location, size, structure, habitability, and related facilities (including
facilities providing information essential to safety for swift detection of any abnormal condition of reactor facilities) of emergency response facilities shall be installed as determined and publicly notified by the Nuclear Safety and Security Commission.

**Article 48** (Establishment, Adjustment, etc. of Limiting Conditions for Operation)

(1) The safety limits, the limiting safety system settings, the limiting conditions for operation shall be established for safe operation of reactor facilities.
(2) During the implementation of initial test programs, the limiting conditions for operation shall be adjusted with reflection of the operating characteristics of facilities as built to ensure that the plant operating conditions satisfy design criteria and safety analysis results.

**Article 49** (Initial Tests)

(1) An initial test program shall be established and implemented to demonstrate that the reactor facilities important to safety perform their functions according to the design intent.
(2) Initial tests shall be conducted in accordance with each of the following requirements:
   1. Procedures for normal operation and anticipated operational occurrences, and procedures for functional tests to be carried out during operational phase shall be verified.
   2. During initial tests, detailed diagnostic data shall be collected on components important to safety and the initial operating parameters of each system shall be recorded as a baseline for future surveillance activities.
   3. The results of the initial tests performed in accordance with the foregoing Paragraph (1) shall meet the acceptance criteria stated in the applicant’s documents for license.

### Section 3 Operation of Reactor Facilities

**Article 50** (Scope of Application)

(1) As regards safety actions that the operator of a nuclear power reactor must take as provided in Article 26 of the Act and Article 41 of the Decree, the provisions of Articles 51 through 66 shall apply.
(2) As regards technical capabilities as provided in Subparagraph 1 of Article 21 of the Act, the provisions of Articles 54, 55, 56, 57, 58 and 63
shall apply.  
(3) Article 56 Item 3 and Article 63-2 shall not apply to research or educational research reactors and other related facilities under Article 30 (1) of the Act.

Article 51 (Measures regarding Radiation Control Area, etc.)

According to Article 41 (1) 1 of the Decree, the operator of a nuclear power reactor shall demarcate radiation control area, preservation area, and exclusion area, and take each of the following measures in these areas:
1. Measures regarding a radiation control area:
   Article 3 of the Regulations on Technical Standards for Radiation Safety Control, etc. (hereinafter referred to as “Radiation Safety Regulations”) shall apply mutatis mutandis, with the conditions that the means preventing any unauthorized access and a sign informing dangers shall be provided at the entrance of a radiation control area in cases where the external radiation dose rate at 30 centimeters away from the surface of a radiation source or shielding materials could exceed 1 mSv per hour.
2. Measures regarding a preservation area:
   A preservation area shall be demarcated from other areas by such means as attachment of a sign, and such measures as access control, key control, and restrictions on carry-out of goods therefrom shall be taken as necessary.
3. Measures regarding an exclusion area:
   a. No personnel shall be allowed to inhabit this area except for temporary stay therein deemed necessary by the Minister of Education, Science and Technology for the purpose of education and training related with construction and operation of reactor facilities; and
   b. A condition to control access or passage of personnel through the exclusion area boundary shall be maintained by such means as installation of a fence or sign on the boundary.

Article 52 (Measures regarding Radiation Dose, etc.)

(1) The operator of a nuclear power reactor shall take each of the following measures for radiation protection as provided in Article 41 (1) 2 of the Decree:
1. The radiation dose of radiation workers, frequent enterers, and temporary enterers to a radiation control area shall not exceed the respective dose limits; and
2. The concentration of airborne radioactive materials in a place accessed by radiation workers at ordinary times shall not exceed the derived air
concentration.

(2) Notwithstanding the foregoing Paragraph (1), radiation workers may be caused to engage in emergency work prescribed by the Minister of Education, Science and Technology in the event of an urgent situation where a disaster has occurred or would be likely to occur at reactor facilities or where any damage which would be likely to cause a severe impediment to operation of reactor facilities.

**Article 53** (Compliance with Technical Specifications, etc.)

According to Subparagraphs 3 through 5 of Article 41 (1) of the Decree, the operator of a nuclear power reactor shall take each of the following actions in respect of the technical specifications:

1. The operator shall monitor that the limiting conditions for operation of reactor facilities provided in the technical specifications are met, and shall take proper actions when the conditions are not met;
2. In the event of reactor trip or reactor scram, the operator shall investigate and determine the cause thereof and any damage to reactor facilities, and sufficiently review and ensure the safety thereof before commencing reoperation; and
3. The operator shall continuously review the technical specifications to enhance the safety and revise the technical specifications, as necessary.

**Article 54** (Operating Organization)

According to Article 41 (1) 4 of the Decree, the operator of a nuclear power reactor shall establish an operating organization in accordance with each of the following requirements:

1. The operator shall establish an organizational structure necessary for the safe operation of reactor facilities, and provide the organizational structure with the authority and responsibilities required for performing the tasks;
2. According to Articles 26 (3) and 84 (2) of the Act, the operator shall employ qualified personnel including licensees for the supervisory reactor operator, the reactor operator, the supervisory fuel material handler, and the fuel material handler;
3. The operator shall clarify functional responsibilities and authority for assuring correct response to emergency situations, and establish the lines of internal and external communication; and
4. The operator shall establish an engineering and technical support organization for the review of operational safety during operation.

**Article 55** (Qualifications and Training)
According to Article 41 (1) 4 of the Decree, the operator of a nuclear power reactor shall take each of the following actions to assure that qualified personnel perform tasks of the power plant:

1. The operator shall appoint plant personnel with knowledge and experience required for the performance of duties in the power plant;
2. The operator shall assure that qualified personnel as provided in Article 84 of the Act conduct reactor operations, fuel materials handling, and radioisotopes handling, or that trained personnel as provided in Article 106 (1) of the Act perform the duties under the direction and supervision of qualified personnel;
3. A training program shall be established for the plant personnel to assure that they perform their duties successfully according to operating procedures in normal operations and accident conditions (including education/training for radiation workers and enterers of radiation control area as provided in Article 106 (1) of the Act and the refresher education as provided in Article 106 (2) of the Act); and
4. The personnel to conduct reactor operations shall be examined annually on appointment, and required to ensure that their medical fitness is appropriate to the duties and responsibilities for reactor operation.

Article 56 (Operating Procedures)

The operator of a nuclear power reactor shall take each of the following actions in regard to operating procedures as provided in Article 41 (1) 4 of the Decree:

1. Operating procedures for the administration, operation, testing, and maintenance of a power plant shall be prepared in writing, and be available as documents before the commencement of operation; and
2. Operating procedures shall consist of normal, abnormal, and emergency operating procedures and include operating staff actions for normal operations, anticipated operational occurrences, and design basis accidents.
3. The manual and guidelines for preventing or mitigating severe accidents shall include various actions that are required to control them.

Article 57 (Management of Human Factors)

According to Article 41 (1) 4 of the Decree, the operator of a nuclear power reactor shall reflect the lessons learned from accidents and near—misses attributable to human factors in design of reactor facilities as well as operating procedures to reduce human errors in operation and continuously manage human factors to prevent any decrease in the human
Article 58 (Reflection of Operating Experience)

The operator of a nuclear power reactor shall take each of the following actions in order to reflect operating experience systematically in the plant operation as provided in Article 41 (1) 4 of the Decree:
1. Operating experience data shall be collected, analyzed, and maintained; and
2. The results of the operating experience analysis shall be reflected in plant facilities, safety related criteria, procedures, and training program.

Article 59 (Fire Protection Program)

According to Article 41 (1) 4 of the Decree, the operator of a nuclear power reactor shall establish and implement a fire protection program for preventing, detecting, and suppressing fires as determined and publicly notified by the Nuclear Safety and Security Commission.

Article 60 (Shutdown Operation)

The operator of a nuclear power reactor shall take each of the following actions as regards shutdown operation of a reactor as provided in Article 41 (1) 4 of the Decree:
1. The parameter limits affecting on the safety functions during shutdown operation shall be established, monitored, and complied with;
2. After a loss of the function of normal residual heat removal during shutdown operation, the mitigation capability to ensure core cooling, decay heat removal, and limitation on release of fission products shall be provided to maintain the safety; and
3. Operating procedures related to the shutdown operation including the procedures for normal and abnormal operations shall be established to ensure the safety functions during shutdown operations.

Article 61 (Core Management and Fuel Handling)

According to Article 41 (1) 4 of the Decree, the operator of a nuclear power reactor shall take each of the following actions in regard to core management and fuel handling:
1. It shall be ensured that fuels loaded in the reactor conform to the design specifications and limits of fuels, and safety related parameters
of the core shall be monitored;
2. Through valid analysis and monitoring, it shall be confirmed that subcriticality margin is maintained during fuel handling and storage; and
3. A comprehensive record system shall be maintained covering core management and fuel handling for the review of fuel structural integrity.

Article 62 (Radiation Protection Program)

In accordance with Article 41 (1) 4 of the Decree, the operator of a nuclear power reactor shall take each of the following measures in connection with a radiation protection program:
1. A radiation protection program for management and assessment of all activities causing radiation exposure shall be established in order to maintain the radiation exposure as low as reasonably achievable to workers and the public during the operation of reactor facilities;
2. A radiation protection program shall be implemented by the health physicists with sufficient knowledge and practical experience in radiation protection as regards the design and operation of reactor facilities, and such personnel shall educate and train workers to make efforts for reducing radiation exposure and to be fully aware of protective measures to be taken when necessary; and
3. The contents and implementation of a radiation protection program shall be periodically evaluated. In the case of violation, measures to prevent recurrence of such violation shall be taken promptly.

Article 63 (Testing, Monitoring, Inspection and Maintenance)

(1) According to Subparagraphs 5 through 7 of Article 41 (1) of the Decree, the operator of a nuclear power reactor shall establish a testing, monitoring, inspection and maintenance program for structures, systems, and components, considering the importance of the structures, systems, and components to safety, in order to maintain the safety functions and performance of safety-related structures, systems, and components as assumed and intended in design. And each of the following actions shall be taken as determined and publicly notified by the Nuclear Safety and Security Commission:
1. The degree of degradation in materials and performance of safety-related structures, systems, and components due to ageing shall be monitored and evaluated, and necessary measures shall be taken;
2. For the pumps and valves necessary for safe shutdown, core cooling, and mitigation of accident consequences, their performance and degree of
degradation due to ageing shall be monitored and evaluated, and necessary measures shall be taken;
3. For the reactor pressure vessel, the degree of degradation in material and performance due to neutron irradiation shall be monitored and evaluated, and necessary measures shall be taken;
4. Verification and calibration of instrumentation and radiation detector directly related with preservation of reactor facilities shall be conducted at the specified period.
(2) Operators of nuclear power reactor shall develop plans for the testing, monitoring, inspecting and repairing of equipment in order to prevent or mitigate severe accidents and to maintain their functions and performance pursuant to Article 41 (1) 5 and 6 of the Decree in consideration of the critical nature of their functions.

Article 64 (Transport at Place of Business)

(1) The operator of a nuclear power reactor shall take the measures provided in Article 9 of the Radiation Safety Regulations as regards transport of radioactive materials, etc. within the place of business where reactor facilities are installed according to Article 41 (1) 8 of the Decree.
(2) In the case of transport of radioactive materials, etc. as prescribed by the Ordinance of the Nuclear Safety and Security Commission outside its place of business, the operator of a nuclear power reactor may transport the relevant radioactive materials, etc. at the place of business where reactor facilities are installed, notwithstanding the provision of the foregoing Paragraph (1).

Article 65 (Storage of Radioactive Materials, etc. at Place of Business)

The operator of a nuclear power reactor shall take each of the following measures for storage of radioactive materials, etc. at the place of business where reactor facilities are installed in accordance with Article 41 (1) 9 of the Decree:
1. The measures provided in Subparagraphs 1 and 2 of Article 8 of the Radiation Safety Regulations shall be taken as regards storage of radioactive materials, etc.. Provided, that this shall not apply in the case of radioactive materials, etc. in a radiation control area; and
2. In those cases where any personnel other than those engaging in storage of radioactive materials, etc. access storage facilities, said personnel shall be required to comply with instructions from those engaging in such storage.

Article 66 (Radioactive Waste Management Program)
(1) In accordance with Article 41 (1) 10 of the Decree, the operator of a nuclear power reactor shall establish a radioactive waste management program, minimize the amount of radioactive wastes and effluents, and reduce the environmental impact of radioactive effluents.

(2) The radioactive waste management program as provided in the foregoing Paragraph (1) shall include procedures to monitor, measure, store, transport and process radioactive wastes in an appropriate manner, and include each of the following items for the assessment of the environmental impact of discharging radioactive effluents:
   1. Offsite dose assessment;
   2. Operation of radioactive effluents monitoring system;
   3. Sampling and analysis program regarding liquid and gaseous effluents; and
   4. Radioactive waste solidification process program, etc.

(3) The annual dose at the exclusion area boundary due to gaseous effluents, which are discharged from the operation of a single nuclear power reactor or multiple nuclear power reactors within the same site, shall not exceed the limit prescribed by the Nuclear Safety and Security Commission in order to prevent the environmental hazard.

(4) Processing, discharge and storage of radioactive wastes shall be in accordance with Article 10 of the Radiation Safety Regulations.

_SECTION 4 Quality Assurance regarding Construction and Operation of Reactor Facilities_

**Article 67 (Scope of Application)**

(1) As regards the technical standards for quality assurance regarding the construction and operations of reactor facilities as provided in Subparagraph 4 of Article 11 of the Act (including those cases to which the relevant provisions apply mutatis mutandis as provided in Article 30 (3) of the Act) and Subparagraph 4 of Article 21 of the Act (including those cases to which the relevant provisions apply mutatis mutandis as provided in Article 30–2 (3) of the Act), the provisions of Articles 68 through 85 hereof shall apply mutatis mutandis.

(2) Detailed requirements for effective application of the technical standards provided in the foregoing Paragraph (1) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

**Article 68 (Organization for Quality Assurance)**
(1) The installer of a nuclear power reactor provided in Article 15 (1) of the Act, the operator of a nuclear power reactor provided in Article 22 (1) of the Act, the installer of a nuclear reactor for research, etc. or operator of a nuclear reactor for research, etc. provided in Article 32 of the Act or (hereinafter referred to as “enterpriser”) shall clearly establish and delineate in writing the authority and duties of persons and organizations performing activities affecting the safety—related functions of structures, systems, and components of nuclear reactors and related facilities. (2) Enterpriser shall ensure that any person performing quality assurance functions have sufficient authority and organizational freedom to perform each of the following duties, and shall have such person, if it is necessary in the light of safety, directly report to the management level regardless of cost and schedule: 1. to identify quality problems; 2. to initiate, recommend, or provide solutions; and 3. to verify implementation of solutions.

Article 69 (Quality Assurance Program)

(1) Enterpriser shall establish at the earliest practicable time, consistent with the schedule for accomplishing the activities, a quality assurance program documented by written policies, procedures, or instructions. (2) The quality assurance program as provided in the foregoing Paragraph (1) shall include each of the following: 1. Identification the structures, systems, and components to be covered by the quality assurance program and the major organizations participating in the program, together with the designated functions of these organizations. 2. Education and training of personnel performing activities affecting quality as necessary to assure that suitable proficiency is achieved and maintained. 3. Control over activities affecting the quality of the identified structures, systems, and components, to an extent consistent with their importance to safety. (3) The details of the activities and control as provided in Subparagraph 3 of the foregoing Paragraph (2) shall include each of the following: 1. Use of appropriate equipment by area of duties; 2. Suitable environmental conditions necessary for the performance of duties including cleanliness; 3. Standards to meet the prerequisites necessary for the performance of duties, if any; and 4. Other matters related to the conditions for adequate performance of duties. (4) In establishing a quality assurance program as provided in the foregoing Paragraph (1), enterpriser shall consider the necessity of each of the following:
1. Special management;
2. Special work process;
3. Special testing;
4. Special equipment;
5. Tools and instruments;
6. Level of proficiency; and
7. Quality verification through inspections or testings.
(5) Enterpriser shall review the status and adequacy of the quality assurance program on a regular basis.

Article 70 (Design Control)

(1) With regard to the structures, systems and components subject to quality assurance, enterpriser shall take each of the following measures so that the related technical standards and design criteria can be reflected in specifications, drawings, procedures and instructions:
1. Measures to assure that appropriate quality standards are specified and included in design documents and that deviations from such standards are controlled.
2. Selection and review for suitability of application of materials, parts, equipment, and processes that are essential to the safety-related functions of the structures, systems and components.
3. Identification and control of design interfaces and for coordination among participating design organizations, including the establishment of procedures among participating design organizations for the review, approval, release, distribution, and revision of documents involving design interfaces.
(2) Enterpriser shall take measures for design control such as checking of the adequacy of a design by such means as a design review, calculations or testing, and such measures shall include each of the following:
1. Reactor physics, stress, thermal, hydraulic, and accident analyses
2. Compatibility of materials and accessibility for inservice inspection, maintenance, and repair
3. Verification or checking of the adequacy of a design by a third party; and
4. Delineation of acceptance criteria for inspections and tests.
(3) Where a test program is used to verify the adequacy of a specific design feature in lieu of other verifying or checking processes, it shall include suitable qualifications testing of a prototype unit under the most adverse design conditions.
(4) Design changes, including field changes, shall be subject to design control measures commensurate with those applied to the original design as
provided in the foregoing Paragraphs (1) and (2) and be approved by the organization that performed the original design unless the enterpriser designates another responsible organization.

**Article 71** (Procurement Document Control)

(1) Enterpriser shall establish measures to assure that applicable regulatory requirements, design bases, and other requirements which are necessary to assure adequate quality are suitably included or referenced in the documents for procurement of material, equipment, and services, whether purchased by the applicant or by its contractors or subcontractors.

(2) Procurement documents shall require contractors or subcontractors to provide a quality assurance program consistent with the pertinent provisions of Articles 68 through 85 hereof. Provided, that this shall not apply in cases where the Nuclear Safety and Security Commission acknowledges, in his reasonable discretion, that formulation of a quality assurance program is unnecessary in consideration of the characteristics of the relevant materials, equipment or services.

**Article 72** (Instructions, Procedures and Drawings)

(1) Enterpriser shall prescribe activities affecting quality by documented instructions, procedures, or drawings, of a type appropriate to the circumstances and shall accomplish the activities in accordance with them.

(2) Instructions, procedures, or drawings shall include appropriate quantitative or qualitative acceptance criteria for determining that important activities have been satisfactorily accomplished.

**Article 73** (Control of Purchased Items and Services)

(1) Enterpriser shall establish measures assure that purchased material, equipment, and services, whether purchased directly or through contractors and subcontractors, conform to the procurement documents and such measures shall include each of the following:

1. Source evaluation and selection
2. Objective evidence of quality furnished by the contractor or subcontractor
3. Inspection at the contractor or subcontractor source; and
4. Examination of products upon delivery.

(2) Documentary evidence that material and equipment conform to the procurement requirements shall be available at the nuclear power plant
prior to installation or use of such material and equipment.

(3) The effectiveness of the control of quality by contractors and subcontractors shall be assessed by the enterpriser at intervals consistent with the importance, complexity, and quantity of the product or services.

**Article 74 (Identification and Control of Items)**

(1) Enterpriser shall establish measures for the identification and control of materials, parts, and components.

(2) These measures shall assure that identification of the item is maintained by heat number, part number, serial number, or other appropriate means, either on the item or on records traceable to the item, as required throughout fabrication, erection, installation, and use of the item, and these measures shall be designed to prevent the use of incorrect or defective material, parts, and components.

**Article 75 (Control of Special Process)**

Enterpriser shall establish measures to assure that special processes, including welding, heat treating, and nondestructive testing, are controlled and accomplished by qualified personnel using qualified procedures in accordance with applicable codes, standards, specifications, criteria, and other special requirements.

**Article 76 (Inspection)**

(1) A program for inspection of activities affecting quality shall be established and executed by or for the organization performing the activity to verify conformance with the documented instructions, procedures, and drawings for accomplishing the activity.

(2) Inspection shall be performed by individuals other than those who performed the activity being inspected. Examinations, measurements, or tests of material or products processed shall be performed for each work operation where necessary to assure quality. If inspection of processed material or products is impossible or disadvantageous, indirect control by monitoring processing methods, equipment, and personnel shall be provided. Both inspection and process monitoring shall be provided when control is inadequate without both.

(3) If mandatory inspection hold points, which require witnessing or inspecting by the enterpriser's designated representative and beyond which work shall not proceed without the consent of its designated representative are required, the specific hold points shall be indicated in
appropriate documents.

**Article 77** (Document Control)

(1) Enterpriser shall establish measures to control the issuance of documents, such as instructions, procedures, and drawings, including changes thereto, which prescribe all activities affecting quality, which shall assure that:

1. Documents, including changes, are reviewed for adequacy and approved for release by authorized personnel; and
2. Documents are distributed to and used at the location where the prescribed activity is performed.

(2) Changes to such documents as provided in the foregoing Paragraph (1) shall be reviewed and approved by the same organizations that performed the original review and approval unless the enterpriser designates another responsible organization.

**Article 78** (Test Control)

(1) Enterpriser shall establish a test program to assure that all testing required to demonstrate that structures, systems, and components will perform satisfactorily in service is identified and performed in accordance with written test procedures, which shall include each of the following:

1. Proof tests prior to installation
2. Preoperational tests
3. Operational tests of structures, systems, and components during nuclear power plant operation,

(2) Test procedures shall include provisions for assuring:

1. that all prerequisites for the given test have been met;
2. that adequate test instrumentation is available and used; and
3. that the test is performed under suitable environmental conditions.

(3) Test results shall be documented and evaluated to assure that test requirements have been satisfied.

**Article 79** (Control of Measuring and Testing Equipment)

Enterpriser shall establish measures to assure that tools, gages, instruments, and other measuring and testing devices used in activities affecting quality are properly controlled, calibrated, and adjusted at specified periods to maintain accuracy within necessary limits.

**Article 80** (Handling, Storage and Shipping)
(1) Enterpriser shall establish measures to control the handling, storage, shipping, cleaning and preservation of material and equipment in accordance with work and inspection instructions to prevent damage or deterioration.

(2) When necessary for particular products, special protective environments, such as inert gas atmosphere, specific moisture content levels, and temperature levels, shall be specified and provided.

**Article 81 (Inspection, Test and Operating Status)**

Enterpriser shall establish measures to indicate, by the use of markings such as stamps, tags, labels, routing cards, or other suitable means, the status of inspections and tests performed upon individual items of the nuclear power plant, which shall provide for:

1. Identification of items which have satisfactorily passed required inspections and tests; and
2. Operating status of structures, systems, and components of the nuclear power plant.

**Article 82 (Control of Nonconforming Items)**

(1) Enterpriser shall establish measures to control materials, parts, or components which do not conform to requirements (hereinafter referred to as “nonconforming items”) in order to prevent their inadvertent use or installation, which shall include procedures for:

1. Identification of nonconforming items;
2. Documentation;
3. Segregation;
4. Disposition; and
5. Notification to affected organizations

(2) Nonconforming items shall be reviewed and accepted, rejected, repaired or reworked in accordance with documented procedures.

**Article 83 (Corrective Action)**

(1) Enterpriser shall establish measures to assure that conditions adverse to quality, such as failures, malfunctions, deficiencies, deviations, defective material and equipment, and nonconformances are promptly identified and corrected.

(2) In the case of significant conditions adverse to quality as provided in the foregoing Paragraph (1), the measures shall assure that the cause of the
condition is determined and corrective action taken to preclude repetition, and the identification of the significant condition adverse to quality, the cause of the condition, and the corrective action taken shall be documented and reported to appropriate levels of management.

**Article 84 (Quality Assurance Records)**

(1) Sufficient records shall be maintained to furnish evidence of activities affecting quality, which includes:
   1. Operating logs;
   2. Results of reviews;
   3. Results of inspections and tests;
   4. Results of audits;
   5. Results of monitoring of work performance;
   6. Results of materials analyses; and
   7. Documents evidencing the qualifications of personnel, procedures, and equipment.

(2) Inspection and test records provided in Subparagraph 3 of the foregoing Paragraph (1) shall, as a minimum, identify:
   1. Inspector or data recorder;
   2. Type of inspection or testing;
   3. Results of inspection or testing;
   4. Acceptability; and
   5. Action taken in connection with any deficiencies noted.

(3) Enterpriser shall ensure that records as provided in the foregoing Paragraph (1) shall be identifiable and retrievable.

(4) Consistent with applicable regulatory requirements, the enterpriser shall establish requirements concerning record retention such as:
   1. Duration of retention;
   2. Location of retention; and
   3. Assigned responsibility.

**Article 85 (Audits)**

(1) Enterpriser shall carry out a comprehensive system of planned and periodic audits to verify compliance with all aspects of the quality assurance program and to determine the effectiveness of the program.

(2) The audits as provided in the foregoing Paragraph (1) shall be performed in accordance with the written procedures or check lists by appropriately trained personnel not having direct responsibilities in the areas being audited.

(3) Audit results shall be documented and reviewed by management having responsibility in the area audited.
(4) Enterpriser shall make actions necessary to correct the findings of the audit, and shall take followup action, including reaudit of deficient areas, where indicated.

Section 5 Disassembly of Nuclear Reactor Facilities

Article 85–2 (Scope of application)

(1) and Articles 85–3 through 85–7 shall apply to the technical standards for the disassembly of nuclear reactor facilities provided under Article 11 Item 5 or 21 (1) 5 of the Act (including cases where these Articles are applicable to Article 30 (3) and 30–2 3 with necessary modifications). Articles 85–8 through 85–17 shall apply to the technical standards for approval of the disassembly of nuclear reactor facilities provided under Article 41–2 (2).

(2) Some of the technical standards among those provided under paragraph 1 may not apply in cases where they cannot be applied to the disassembly of the relevant nuclear reactor facilities or where the Nuclear Safety and Security Commission recognizes that safety is not affected even if they are applied.

Article 85–3 (Organization and personnel in preparation for disassembly)

Facility operators shall determine the authority and duties of those who perform the duties of development, maintenance and management of the disassembly plans prior to the commencement of their nuclear reactor facilities.

Article 85–4 (Expenses and resources in preparation for disassembly)

(1) Facility operators shall assess the expected cost of disassembling their nuclear reactor facilities safely and prove the adequacy of their assessment of the disassembly cost.

(2) The facility operators shall also develop and implement plans to develop plans to secure resources in order to secure the cost of disassembly in a stable manner.

Article 85–5 (Strategies in preparation for disassembly)

(1) Facility operators shall develop disassembly strategies prior to the construction of their nuclear reactor facilities and maintain their validity by reflecting key changes during their construction and operation.
(2) When two or more nuclear reactor facilities are installed and operated at one identical site, the facility operators concerned shall develop disassembly strategies so as to ensure that the disassembly of specific nuclear reactor facilities does not affect the safety of other nuclear reactor facilities.

(3) Facility operators shall apply proven technologies to the disassembly of nuclear reactor facilities; and, in the event that they intend to apply new methods of disassembly, they shall present reasonable grounds for their use and provide proof of their safety.

(4) Facility operators shall reflect the experience acquired and lessons drawn in the disassembly of similar facilities at home and abroad in the development of disassembly strategies and the selection of disassembly methods.

**Article 85-6 (Actions for easy disassembly)**

Nuclear reactor facilities shall be designed, constructed and operated according to the below-listed standards for their safe and easy disassembly:

1. The main systems of nuclear reactor facilities shall be designed to minimize the risk of radioactive contamination and radioactive material leaks.
2. The main structures and appliances of nuclear reactor facilities shall be laid out to ensure easy removal.
3. Measures shall be provided and taken to decontaminate structures, systems and appliances contaminated by radioactive materials.
4. The generated amount of radioactive materials (i.e. radioactivity and volume) shall be minimized as much as possible.
5. Important records concerning design, construction and operation that may affect disassembly shall be archived.

**Article 85-7 (Advance plan for disassembly)**

Facility operators shall develop rough plans concerning the following to applied at the time of disassembly before the construction of the nuclear reactor facility, and they shall maintain their validity by reflecting key changes during construction and operation:

1. Actions for preventing radiation damages;
2. Methods of removing radioactive materials and their contamination;
3. Methods of processing, storing or disposing of radioactive wastes; and
4. Assessment of and countermeasures to the impact of radioactive materials on the environment.
Article 85–8 (Disassembly organization and personnel)

Facility operators shall form disassembly organizations and secure the personnel needed to satisfy the following criteria:
1. Assignment of responsibilities and authority commensurate to the weight of duties after organizing organs and departments necessary for the safe disassembly of nuclear reactor facilities;
2. Provision of engineering and technical support organs to review matters concerning the safety of disassembly;
3. Appointment of operators equipped with the knowledge and experience required for the safe and efficient performance of disassembly functions;
4. Participation of personnel equipped with experience in the design, construction and operation of nuclear reactor facilities with regard to the disassembly functions; and
5. Development and implementation of plans for the training of operators capable of smoothly performing the disassembly duties.

Article 85–9 (Disassembly manual)

Facility operators shall prepare and maintain the various disassembly manuals required for the disassembly of their nuclear reactor facilities before starting their disassembly.

Article 85–10 (Disassembly cost and resources)

Facility operators shall secure the disassembly cost and resources needed to satisfy the following criteria:
1. Quantitative assessment of the expected cost of disassembling their nuclear reactor facilities and verification of the validity of the assessment; and
2. Presentation of disassembly costs secured based on paragraph 1

Article 85–11 (Disassembly strategies etc.)

(1) Facility operators shall develop disassembly strategies and select disassembly methods to satisfy the following criteria:
1. The facility operators shall develop disassembly strategies before starting disassembly and verify the disassembly strategies thus developed.
2. Proven technologies shall be applied to the disassembly of nuclear reactor facilities; and, in the event that new methods of disassembly
are to be applied, reasonable grounds for their use shall be presented and proof of their safety shall be provided.

3. The following shall be reflected in the development of disassembly strategies and the selection of disassembly methods:
   a. Outcome of the disassembly safety assessment based on Article 85-12;
   b. Outcome of the assessment of the impact of disassembly on the environment based on Article 85-16;
   c. Experience in and lessons drawn from the disassembly of similar facilities at home and abroad;

4. When two or more nuclear reactor facilities are installed and operated at one identical site, the disassembly of one facility shall not affect the safety of the other nuclear reactor facilities; and

5. Specific disassembly schedules shall be developed.

(2) Disassembly methods under the foregoing paragraph 1 shall include methods of removing radioactive materials and their contamination.

**Article 85-12 (Ensuring easy disassembly)**

Facility operators shall verify the validity of their design, construction, and operational measures for guaranteeing the easy disassembly of the nuclear reactor facilities pursuant to Article 85-6.

**Article 85-13 (Disassembly safety assessment)**

Facility operators shall assess the safety of the disassembly of nuclear reactor facilities based on the following criteria:

1. Adequate measures shall be considered to maintain the expected radiation exposure of the operators and external residents as low as possible by assessing the radiation dose to which they are expected to be exposed as a result of the disassembly of the nuclear reactor facilities.

2. The safety assessment provided under paragraph 1 shall consider the size and type of nuclear reactor facilities and sites, radiation characteristics, planned disassembly operations, any potential events or accidents that may occur during the planned disassembly activities, and the target value of any remaining radioactivity after the disassembly.

**Article 85-14 (Protection from radiation during disassembly)**

Facility operators shall take the below-listed actions in connection with the prevention of radiation risks during the disassembly of the nuclear reactor
1. Develop plans for preventing disassembly radiation that control and assess all activities that may cause radiation exposure in order to minimize the radiation exposure of the operators during the disassembly of nuclear reactor facilities;
2. Develop the radiation protection plans provided under paragraph 1 and ensure that they are implemented by health and physics personnel equipped with sufficient knowledge and on-site experience concerning radiation protection in connection with the disassembly of nuclear reactor facilities;
3. Provide education and training to ensure that disassembly workers become familiarized with the protection measures; and
4. Evaluate the contents and performance state of the disassembly-related radiation protection plans periodically and take immediate action to prevent recurrence in the event that a violation is detected.

Article 85–15 (Control of disassembly wastes etc.)

(1) Facility operators shall take the following actions in order to safely control or manage radioactive materials and spent nuclear fuel during the disassembly of nuclear reactor facilities:
1. Develop comprehensive plans for the management of radioactive wastes (inclusive of those generated during the operation of the nuclear reactor facilities and those expected to be generated during their disassembly) and spent nuclear fuel;
2. Minimize the amounts of radioactive wastes generated and radioactive materials discharged into the environment as much as possible; and
3. The inclusive management plans provided under Item 1 shall include procedures for the management of radioactive wastes and spent nuclear fuel, and procedures and methods of assessing the impact of radioactive leaks on the environment.
(2) The disposal, discharge and storage of radioactive wastes shall follow the Rules concerning Technical Standards for Safe Radiation Management.

Article 85–16 (Assessment of impact of disassembly on the environment)

(1) Facility operators shall assess the impact of disassembly on the environment that is expected to result from the disassembly of nuclear reactor facilities.
(2) Facility operators shall develop and implement environment monitoring plans before and after the disassembly of nuclear reactor facilities.
Article 85–17 (Quality assurance of disassembly)

(1) Facility operators shall develop and implement disassembly quality assurance plans before the disassembly of the nuclear reactor facilities (“disassembly quality assurance plan” hereinafter).
(2) Articles 68 through 85 shall apply to the technical standards for the disassembly quality assurance plan) with any necessary modifications.

Section 6 Accident Management of Nuclear Reactor Facilities

Article 85–18 (Scope of application)

Articles 85–19 through 85–23 shall, with any necessary modifications, apply to the standards for accident management at nuclear reactor facilities under Article 21 (1) 6 of the Act (“accident management” hereinafter).

Article 85–19 (Scope of accident management)

(1) The scope of accidents subject to accident management shall be as follows:
   1. Accidents related to design standards;
   2. Accidents attributable to multiple failures;
   3. Natural and artificial disasters exceeding the external causes when considering the design standards provided under Article 13; and
   4. Accidents in which the reactor core is seriously damaged beyond the scope of the design standards.
(2) The Nuclear Safety and Security Commission shall determine and announce the details of the selection of accidents falling under paragraph 1 Items 2 to 4.

Article 85–20 (Equipment for accident management)

(1) The equipment required for accident management under Article–19 (1) 2 through 4 shall be able to perform the functions required for accident management under the relevant accident conditions.
(2) The equipment provided under paragraph 1 shall support testing, monitoring, inspections and repairs to guarantee the performance of the accident management functions.

Article 85–21 (Accident management strategies and performance system)
(1) The accident management strategies shall satisfy the following criteria:
1. The essential safety functions that are maintained and recovered for accident management shall be defined and shall include various actions in consideration of personnel factors; and
2. The system shall include the technical grounds of the accident management strategies, the methods of preparing manuals and guidelines, and plans for repair and maintenance.

(2) The accident management performance system shall satisfy the following criteria:
1. The organs and personnel required for accident management shall be secured and the related responsibilities and authority for implementing the management strategies shall be assigned as and when required;
2. Command and control systems shall be developed to implement the accident management strategies;
3. The normal operation of the equipment required for implementing the accident management strategies shall be monitored and adequate actions shall be taken in the event of any malfunction;
4. The system shall also include information concerning the functional integration of the accident management strategies; and
5. It shall also consider information concerning multiple units when other nuclear reactor facilities are located at the relevant site.

Article 85-22 (Assessment of accident management capabilities)

(1) The accident management plan shall be developed and implemented with the objective of achieving the below-listed by assessing accident management capabilities, including the equipment related to accident management, accident management strategies, and performance systems:
1. The accident management plan shall prevent the discharge of large quantities of radioactive materials that may threaten the health of residents in the surrounding areas or cause long-term contamination outside the site in the event that an accident takes place.
2. It shall minimize the increased rate of risk that the operation of nuclear reactor and related facilities is likely to have on the health and the environment of the residents in the surrounding areas.

(2) The attainment of the objectives provided under the items of paragraph 1 shall be assessed using deterministic and probabilistic methods. The Nuclear Safety and Security Commission shall determine and announce the specifics of such assessment.

Article 85-23 (Education/training on accident management)
(1) The education/training plan developed to maintain the validity of the accident management plans shall satisfy the following criteria:
1. Education corresponding to the relevant responsibilities and authority shall be provided periodically for the members of the accident management organizations.
2. Training shall be performed every two years or less to enable verification of the validity of the accident management strategies and implementation systems.

Chapter III Technical Standards for Nuclear Fuel Cycle Facilities

Section 1 Location of Nuclear Fuel Cycle Facilities

Article 86 (Location)

(1) As regards the technical standards for the location of nuclear fuel cycle facilities as provided in Subparagraph 2 of Article 36 of the Act (excluding refining facilities; the same shall apply hereinafter), the provisions of Articles 4 through 10 hereof shall apply mutatis mutandis. In such case, “reactor facilities” shall be deemed as “nuclear fuel cycle facilities.”
(2) Among technical standards as provided in the foregoing Paragraph (1), certain standards may not apply in those cases where it is acknowledged by the Minister of Education, Science and Technology that such standards are not directly applicable to the nuclear fuel cycle facilities as the purpose of the facilities is for research/experiment or due to the facility and technical characteristics thereof, or that safety is not affected even if such standards are not applied.

Section 2 Structure, Installations and Performance of Nuclear Fuel Cycle Facilities

Article 87 (Scope of Application)

(1) As regards the technical standards for the structure, installations and performance of nuclear fuel cycle facilities as provided in Subparagraph 2
of Article 36 of the Act, the provisions of Articles 88 through 95 hereof shall apply mutatis mutandis.

(2) Among technical standards as provided in the foregoing Paragraph (1), certain standards may not apply in those cases where it is acknowledged by the Nuclear Safety and Security Commission that such standards are not directly applicable to the nuclear fuel cycle facilities as the purpose of the facilities is for research/experiment or due to the facility and technical characteristics thereof, or that safety is not affected even if such standards are not applied.

**Article 88 (Waste Processing Facilities, etc.)**

Radioactive waste processing facilities that meet each of the following requirements (including a ventilation duct, and excluding waste storage equipment and ventilation equipment) shall be installed at nuclear fuel cycle facilities:

1. The facilities shall be able to process radioactive wastes generated from nuclear fuel cycle facilities to ensure that the concentration of radioactive materials in the air and water at the exclusion area boundary is no higher than the standard determined and publicly notified by the Nuclear Safety and Security Commission;

2. The facilities shall be installed separately from the facilities processing liquid wastes other than radioactive wastes. Provided, that this shall not apply in those cases where there exists no likelihood that radioactive wastes will flow backward into the systems processing ordinary wastes when liquid wastes other than radioactive wastes are sent to radioactive waste disposal systems;

3. The facilities shall have sufficient capacity to process radioactive wastes;

4. The facilities shall be able to measure and analyze the radioactive concentration prior to releasing radioactive wastes into the water or air, and have equipment to constantly monitor release of such wastes at a permitted concentration or below, and give a warning and stop the release of such wastes in cases where such wastes are released in excess of such concentration;

5. The facilities processing gaseous radioactive wastes shall not discharge such wastes at a place other than such exits as a ventilation duct;

6. A dike for the prevention of the spread of any leakage of liquid radioactive wastes shall be installed on the floor of the interior facilities of the systems processing liquid radioactive wastes, and such facilities shall have a structure that causes liquid radioactive
wastes to flow into the drainage outlet and sump by the slope of the floor or a dike built thereon:

7. A dike for the prevention of any leakage of liquid radioactive wastes to the outside of the facilities shall be installed at the entrance/exit that leads to the outside of the liquid radioactive waste processing systems or the surrounding area thereof. Provided, that this shall not apply in those cases where there exists no likelihood of such leakage to the outside of the facilities as the floor inside the facilities is lower than the floor or ground adjacent thereto; and

8. The facilities that process liquid radioactive wastes containing strong acids or hydroxides shall have an leak tight structure, made of materials that are resistant to corrosion.

**Article 89 (Waste Storage Facilities, etc.)**

Facilities storing radioactive wastes shall meet each of the following requirements:
1. The facilities shall have capacity to store radioactive wastes generated during normal operations;
2. The facilities shall resist decay heat and heat generated by irradiation, and shall not be significantly corroded by chemicals, etc.;
3. It shall be ensured that any contamination by radioactive wastes will not spread;
4. Storage facilities including storage tanks for radioactive wastes installed outdoors shall be installed in such a way that the safety thereof is guaranteed in the event of an earthquake, ground subsidence, collapse, uplift, shearing, differential settlement, etc. and that inundation due to waves or floods is prevented; and
5. A dike for the prevention of any leakage of liquid radioactive wastes to the outside of the facilities as a result of failure, damage, etc. to such facilities shall be installed at the facilities where liquid radioactive waste storage facilities are installed.

**Article 90 (Fuel Storage Facilities)**

(1) The facilities storing nuclear fuel assemblies or spent fuels shall meet each of the following requirements:
1. They shall have geometrically safe configuration to prevent fuels from criticality;
2. They shall have the capability of decay heat removal to prevent melting of fuels:
3. A cavity storing spent fuels and other highly radioactive fuels shall meet each of the following requirements:
   a. Structure without any possibility of overflow or leakage of water, and equipped with water makeup facilities and leakage detection facilities;
   b. Keeping of a necessary amount of water for the shielding of radiation of fuels, etc.; and
   c. Possible prevention of corrosion in cases where it is expected that the cladding of fuels, etc. may be significantly corroded.
4. Those other than handlers shall not be granted access.
(2) Technical standards as regards the structure and installations of dry storage facilities of spent fuels shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 91 (Fuel, etc. Handling Equipment)

Equipment to handle fuels, etc. at nuclear fuel cycle facilities shall meet each of the following requirements:
1. They shall have geometrically safe configuration to prevent fuels from criticality;
2. They shall have the capability of decay heat removal to prevent damage or melting of fuels;
3. A vessel containing fuels, etc. shall resist impact, heat, etc. during handling thereof and shall not be easily damaged.

Article 92 (Emergency Electric Power Source, etc.)

In the case of a loss of power supply from the transmission network connected to nuclear fuel cycle facilities and power generators in use at all times, power generating equipment that uses internal combustion engines for motive force or equipment with the functions equivalent thereto shall be installed to maintain the functions of equipment necessary for operational safety.

Article 93 (Material and Structure)

The material and structure of the vessels, pipes, pumps and valves that are utilized at nuclear fuel cycle facilities and major supporting structures thereof shall meet the technical standards by the safety classes and standards determined and publicly notified by the Nuclear Safety and Security Commission.

Article 94 (Performance of Spent Fuel Processing Facilities)
Among the nuclear fuel cycle facilities provided in Subparagraph 2 of Article 36 of the Act, the performance of spent fuel processing facilities shall be meet the following requirements:

1. Alarm system, emergency power system and other emergency equipment, safety protection circuits and interlocking devices (meaning devices that do not operate equipment unless certain conditions are met) shall function in accordance with the conditions stated in the application for designation as provided in Article 35 (3) of the Act and documents containing the conditions of such designation (hereinafter referred to as “application for designation, etc.”);

2. The processing capacity of radioactive waste processing facilities shall not be less than the capacity stated in the application for designation, etc.;

3. The performance of major radiation control facilities shall meet the performance standards stated in an application for designation, etc.;

4. As regards spent fuel processing facilities, the radiation dose rate and the concentration of radioactive materials in the air and water at the place accessed by person at ordinary times, the place specially accessed by person during operations of spent fuel processing facilities and other places that require radiation control shall be no higher than the standards stated in the application for designation, etc.;

5. Ability to prevent nuclear fuel materials from criticality and to confine spent fuels, etc. in a limited area shall meet the ability standards stated in the application for designation, etc.;

6. The contents of nuclear fission products in produced Articles shall be no higher than the standards stated in the application for designation, etc.; and

7. The recovery ratio of produced Articles shall be no lower than the standards stated in the application for designation, etc.

**Article 95 (Provisions Applicable Mutatis Mutandis)**

The provisions of Articles 13, 14 and 34 and Subparagraph 1 of Article 51 hereof shall apply mutatis mutandis to nuclear fuel cycle facilities. In such case, “reactor facilities” shall be deemed “nuclear fuel cycle facilities.”

**Section 3 Operation of Nuclear Fuel Cycle Facilities**

**Article 96 (Scope of Application)**

As regards the technical standards concerning safety actions for the operation of nuclear fuel cycle facilities as provided in Article 40 of the
Act and Article 68 of the Decree, the provisions of Articles 97 through 100 hereof shall apply.

Article 97 (Surveillance and Checking of Nuclear Fuel Cycle Facilities)

Pursuant to Article 68 (1) 3 of the Decree, a nuclear fuel cycle enterpriser shall conduct surveillance and checking of nuclear fuel cycle facilities at least once a day.

Article 98 (Self-check of Nuclear Fuel Cycle Facilities)

Pursuant to Article 68 (1) 5 of the Decree, a nuclear fuel cycle enterpriser shall take each of the following measures:
1. With respect to any equipment that requires special control to achieve safety as provided in the safety control regulations (excluding the equipment in the following Subparagraph 2), such equipment shall be inspected on an annual basis to ensure that the performance of the equipment has been maintained;
2. As regards alarm system, emergency electrical power system and other emergency apparatus, performance inspection for the operation thereof shall be performed on a monthly basis concerning each part of such apparatus, and a general inspection for the operation of the whole apparatus be conducted on an annual basis; and
3. As regards measuring instruments and radiation measuring apparatus directly related with the safety control of nuclear fuel cycle facilities, calibrations shall be performed on an annual basis.

Article 99 (Operation of Nuclear Fuel Cycle Facilities)

Pursuant to Article 68 (1) 4 of the Decree, a nuclear fuel cycle enterpriser shall take each of the following measures in regard of operation of nuclear fuel cycle facilities:
1. There shall be no possibility that nuclear fuel materials may reach criticality;
2. A person with the knowledge necessary for operation of nuclear fuel cycle facilities shall operate the facilities;
3. The facilities shall be operated only when the personnel necessary for operation of nuclear fuel cycle facilities are secured;
4. Matters that must be checked prior to the commencement of operation and after shutdown of nuclear fuel cycle facilities and matters that are necessary for the operation thereof shall be established and the operators shall be required to follow such
matters:
5. Measures that must be taken in the event of an emergency shall be established and the operators shall be required to follow such measures;
6. Among nuclear fuel cycle facilities, the ventilation equipment, radiation measuring apparatus and emergency apparatus shall be available to maintain their performance at all times;
7. In the case of a testing operation of spent nuclear fuel processing facilities, the purpose, method, measures to be taken in the event of an emergency and so forth shall be confirmed and performed; and
8. In the case of the operation of nuclear fuel cycle facilities for training related to the operation thereof, matters that trainees must comply with shall be established, and such trainees shall comply with such matters under the supervision of operators.

Article 100 (Provisions Applicable Mutatis Mutandis)

(1) As regards safety measures that a nuclear fuel cycle enterpriser must take regarding a radioactive waste control program, the radiation control area, etc., radiation dose, etc., transport within a place of business and storage of radioactive materials, etc. within a place of business as provided in Subparagraphs 1, 2 and 6 through 8 of Article 68 (1) of the Decree, the provisions of Articles 51, 52 and 64 through 66 hereof shall apply mutatis mutandis. In such case, an "operator of a nuclear power reactor" shall be deemed a “nuclear fuel cycle enterpriser.”

(2) Among the provisions of Articles 51, 52 and 64 through 66 hereof, certain provisions may not apply in such cases where it is acknowledged by the Nuclear Safety and Security Commission that such provisions are not applied mutatis mutandis to the nuclear fuel cycle facilities as the purpose of the facilities is for research/experiment or due to the facility and technical characteristics thereof, or that safety is not affected even if such provisions are not applied mutatis mutandis.

Section 4 Quality Assurance for the Operation of Nuclear Fuel Cycle Business

Article 101 (Quality Assurance)

The provisions of Articles 68 through 85 hereof shall apply mutatis mutandis to the preparation of a quality assurance program as provided
in Article 35 (3) of the Act. In such case, an “installer of a nuclear power reactor” or “operator of a nuclear power reactor” shall be respectively deemed a “nuclear fuel cycle enterpriser.”

Section 5 Disassembly of Nuclear Fuel Cycling Facilities

Articles 102 (disassembly of the relevant nuclear fuel cycling facilities)

(1) through 85–7 shall, with necessary modifications, apply to the technical standards for the disassembly of nuclear fuel cycling facilities under Article 36 (1) 4 of the Act. Articles 85–8 through 85–17 shall, with necessary modifications, apply to the technical standards for the approval of the disassembly of nuclear fuel cycling facilities under Article 68–2 (2) of the Decree. In such a case, “facility operator” shall read as “nuclear fuel cycling facility operator” while “nuclear reactor facilities” shall read as “nuclear fuel cycling facilities”.

(2) Some of the technical standards among those provided under paragraph 1 may not apply in cases where they cannot be applied to the disassembly of the relevant nuclear fuel cycling facilities or where the Nuclear Safety and Security Commission recognizes that public safety will not be affected even if they are applied.
ADDENDA <No. 3, Nov. 11, 2011>

Article 1 (Enforcement Date)

This Rule shall enter into force on the date of its promulgation.

Article 2 (Transitional Measures)

The dispositions, procedures and other practices concerning nuclear safety implemented in accordance with the Rules on the Technical Standards for Nuclear Reactor Facilities, etc. (Ministry of Education, Science and Technology Ordinance No. 1) shall be deemed to have been implemented in accordance with this Rule.

ADDENDUM <No. 13, Nov. 22, 2014>

Article 1 (Enforcement Date)

These Rules shall enter into force on the date of their notification.

ADDENDUM <No. 15, Jul. 23, 2015>

Article 1 (Enforcement Date)

This Act shall enter into force on 23 July 2015.

ADDENDUM <No. 17, Jun. 30, 2016>

Article 1 (Enforcement Date)

These Rules shall enter into force on the day they are promulgated.

ADDENDUM <No. 22, Feb. 22, 2019>

Article 1 (Enforcement Date)

This Rule shall enter into force on the date of its promulgation.

ADDENDUM <No. 24, Jan. 7, 2020>

Article 1 (Enforcement Date)
This Rule shall enter into force on the date of its promulgation. *Provided,* That the amended provisions of Article 100 (1) shall enter into force one year after the date of its promulgation.
Regulations on Technical Standards for Radiation Safety Control, Etc.
Regulations on Technical Standards for Radiation Safety Control, Etc.

Chapter I  General Provisions

Article 1 (Purpose)

The purpose of these Regulations are to prescribe matters related to the technical standards of radiation safety control, etc. necessary for prevention of any radiation hazard, among the matters delegated by the Nuclear Safety Act and the Enforcement Decree thereof.

Article 2 (Definitions)

(1) The definitions of terms used herein shall be as follows:
1. The term “work room” means the place where unsealed radioisotopes or unsealed objects contaminated by radioisotopes are used or packaged.
2. The term “contamination inspection room” means the place in which whether the surface of a human body or an object worn by a human including working garments, footwear and protective gear is contaminated by radioactive materials is inspected.
3. The term “drainage equipment” means the equipment that purifies or discharges liquid radioactive materials or fluids contaminated thereby including, but not limited to, effluent processing apparatus such as concentrators, separators and ion exchangers or the drainage pipe.
drainage passage, etc. of effluent purification tanks such as storage, Regulations on Technical Standards for Radiation Safety Control, Etc.

4. The term “solidification facilities” means the facilities that solidify radioactive materials, etc. by using concrete or other solidifying materials including, but not limited to, milling, compression, blending or re-packaging apparatus.

5. The term “external radiation dose rate” means the radiation dose per hour exposed from the outside of a human body (millisievert/hour).

6. The term “low-dispersive radioactive materials” means either a solid radioactive material or a solid radioactive material in a sealed capsule, that has limited dispersibility and is not in powder form.

7. The term “transport index” means a grade given to packages, overpacks, tanks or freight containers, which is a number used for control of radiation exposure.

8. The term “criticality safety index” means a grade given to packages, overpacks, tanks or freight containers containing fissile materials, which is a number used to control over the accumulation of packages, overpacks, tanks or freight containers containing fissile material.


10. “Near-surface disposal” shall mean disposal falling under any of the following:
   a. Mined cavity disposal: The disposal of radioactive wastes with natural or engineered barriers inside an underground case or rock bottom;
   b. Near-surface disposal: The disposal of radioactive wastes with natural or engineered barriers near the surface of the earth;
   c. Landfill disposal: The disposal of radioactive wastes by landfill with natural or engineered barriers near the surface of the earth.

(2) Terms used herein other than those set forth in the foregoing Paragraph (1) shall have the same meaning as provided in the Nuclear Safety Act (hereinafter referred to as “Act”), the Enforcement Decree thereof (hereinafter referred to as “Decree”) or the Enforcement Regulation thereof.

Article 3 (Radiation Control Area)

(1) The “limit as prescribed by the Ordinance of the Nuclear Safety and Security Commission” in Subparagraph 16 of Article 2 of the Act means any of the following:
   1. External radiation dose rate: 400 microsieverts per week;
   2. Concentration of radioactive materials in the air: derived air concentration; and
3. Contamination level of the surface of an object: permissible surface contamination level.

(2) In regard of an area where the external radiation dose rate, etc. are feared to exceed the limit as provided in the foregoing Paragraph (1), each of the following measures shall be taken to control people’s access thereto and prevent any radiation hazard to those with access thereto:

1. A radiation control area shall be established;
2. Such compartments as walls and fences shall be used and such signs as provided in the attached Table 1 shall be attached for distinction of such area from others, and in the case of access to such area by any person other than radiation workers, such person shall be required to follow instructions from radiation workers;
3. In the case of contamination by radioactive materials of the surface of floors, walls and other objects feared to be contacted by people, the level of such contamination shall not exceed the permissible surface contamination level; and
4. In those cases where a person leaves or an object is carried out from the radiation control area, the level of contamination by radioactive materials on the surface of a human body, the objects worn by a human including clothing and footwear and the object carried out (if such object is contained in a container or packaged, such container or packaging) shall not exceed one tenth (1/10) of the permissible surface contamination level.

Chapter II Use of Nuclear Materials

Section 1 Facility Standards for Use Facilities, etc. of Nuclear Fuel Materials

Article 4 (Location of Use Facilities, etc.)

Facilities related to the use, distribution, storage, conservation, processing and discharge of nuclear fuel materials as provided in Subparagraph 2 of Article 46 of the Act (hereinafter referred to as “use facilities, etc.”) shall be installed at a site where there is less risk of fire, inundation or subsidence.

Article 5 (Structure and Installations of Use Facilities, etc.)

Technical standards as regards the structure and installations of use
facilities, etc. of nuclear fuel materials and materials contaminated thereby (hereinafter referred to as "nuclear fuel materials, etc.") as provided in Subparagraph 2 of Article 46 of the Act and Article 50 (1) 2 thereof shall be as follows:

1. Caves, etc. installed at use facilities shall have a structure with shielding capacity to maintain the external radiation dose rate thereof at not more than 1 millisievert per week in cases where the maximum nuclear fuel materials storable at storage facilities are used:

2. If it is necessary for the inside of caves, etc. to be maintained in a state of negative pressure (meaning the state where internal air pressure is lower than external air pressure; hereinafter the same shall apply), it shall be possible to maintain such state of negative pressure at all times:

3. If the inside of caves, etc. is not in a state of negative pressure, an apparatus generating an alarm signal shall operate with sensitivity:

4. Caves, etc. that use plutonium, compounds thereof, and materials containing one or not less than two of such materials (excluding spent nuclear fuels) or caves, etc. inside of which spent nuclear fuel processing research facilities are installed shall have a structure that can be sealed, except for the air injection inlet and ventilation outlet:

5. Spent nuclear fuel processing research facilities shall have a structure without any fear of leakage of materials therein to the outside:

6. The inside of a place where plutonium, compounds thereof, and materials containing one or not less than two of such materials with the plutonium volume of more than 100 grams or spent nuclear fuels with the radioactivity of radioactive materials of more than 3.7 petabecquerels are used shall be maintained in a state of negative pressure at all times:

7. Use facilities and storage facilities shall have a structure necessary to prevent nuclear fuel materials from achieving criticality; and

8. Emergency electrical power supply sources and other emergency safety apparatus shall operate in a fast and accurate manner.

Section 2  Handling Standards for Nuclear Fuel Materials, etc.

Article 6 (Scope of Application)

As regards technical standards concerning handling of nuclear fuel materials, etc. within a place of business as provided in Article 50 (1) 1 of the Act, the provisions of Articles 7 through 10 hereof shall apply. Provided, that the provisions of Articles 8 through 10 hereof may not apply with the acknowledgement by the Minister of Education, Science and Technology in cases where nuclear fuel materials, etc. are used for a research/testing
purpose, where it is difficult to directly apply said provisions due to the characteristics of facilities or technologies, or where non-application of said provisions does not hamper safety.

Article 7 (Use and Distribution)

Technical standards as regards the use or distribution of nuclear fuel materials, etc. shall be as follows:
1. Nuclear fuel materials, etc. shall be used or distributed at use facilities or distribution facilities respectively.
2. Cautions regarding handling shall be posted at easily noticeable places in the use facilities and distribution facilities.
3. Personnel shall wear working garments, etc. while working, and such working garments, etc. shall be worn in the use facilities and distribution facilities.
4. In order to prevent any radiation hazard to radiation workers and persons with frequent access, each of the following measures shall be taken:
   a. The personal dose on radiation workers shall not exceed the dose limit;
   b. The concentration of radioactive materials in the air inhaled by radiation workers shall not exceed the derived air concentration; and
   c. The personal dose on persons with frequent access shall not exceed the dose limit.
5. Measurement of the radiation dose rate and contamination by nuclear fuel materials, etc. in a radiation control area shall be performed at a place most appropriate for such measurement by using radiation measuring apparatus. Provided, that if it is difficult to perform measurement by using such radiation measuring apparatus, such rate and contamination level may be assessed by means of calculation.
6. Measurement of personal dose as regards those with access to a radiation control area shall be performed according to each of the following:
   a. Radiation measuring apparatus or radiation measuring devices shall be used for such measurement. Provided, that such quantity may be assessed by means of calculation in the case of a place where it is difficult to perform measurement by using such apparatus or devices;
   b. In regard of exposure to external radiation, the parts of a human body that are most feared to be exposed (hands, feet, etc. and chest or abdomen if the exposed parts are hands, feet, etc.) shall be subject to measurement; and
   c. In regard of exposure of the inside of a human body to radiation, the personal dose shall be assessed by means of measurement or
calculation of the concentration and quantity of radioactive materials in the air inhaled by humans.

7. Measurement of the level of contamination by nuclear fuel materials, etc. of the surface of a human body and an object worn by a human including working garments, footwear and protective gear shall be performed at the surface of hands, feet, working garments, footwear and protective gear and other parts feared to be contaminated by nuclear fuel materials, etc. according to the method as provided in the foregoing Subparagraph 6 (a).

8. Measurement as provided in the foregoing Subparagraph 6 shall be performed constantly during working, and measurement as provided in the foregoing Subparagraph 7 shall be conducted upon completion of working.

9. There shall be no fear of criticality at the time of use and distribution of nuclear fuel materials.

10. Ventilation equipment, radiation measuring apparatus and emergency equipment shall be constantly maintained in a state where they function properly.

**Article 8 (Storage and Conservation)**

Technical standards as regards the storage or conservation of nuclear fuel materials, etc. shall be as follows:

1. Nuclear fuel materials, etc. shall be stored or conserved at storage facilities or conservation facilities respectively.

2. Cautions regarding handling shall be posted at easily noticeable places in storage facilities and conservation facilities:

3. Locks and access control measures shall be implemented as regards storage facilities and conservation facilities, with the exception of carry-out/carry-in of nuclear fuel materials, etc.

**Article 9 (Transport)**

(1) Technical standards as regards transport of nuclear fuel materials, etc. within a place of business shall be as follows:

1. There shall be no fear of criticality of nuclear fuel materials, etc.

2. Nuclear fuel materials, etc. shall be transported in a container. Provided, that this shall not apply in any of the following cases:
   a. When measures have been taken to prevent the spread or leakage of radioactive materials or to prevent other hazards as determined and publicly notified by the Nuclear Safety and Security Commission with respect to materials contaminated by nuclear fuel materials, etc. (only those whose radioactive concentration does not exceed the limit
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determined and publicly notified by the Minister of Education, Science and Technology); and

b. When approval of the Nuclear Safety and Security Commission has been obtained as regards materials contaminated by nuclear fuel materials, etc. that are difficult to be transported in a container including large-sized machinery.

3. Such container as provided in the foregoing Subparagraph 2 shall meet each of the following standards:

a. Each side of a parallelepiped that circumscribes such container shall be not less than ten centimeters;

b. Such container can be handled in an easy and safe manner; and

c. There shall be no fear that such container will be cracked/damaged for such reasons as a change in the temperature/internal pressure or vibration expected during transport thereof.

4. The radiation dose rate at ten centimeters away from the surface of the container as provided in the foregoing Subparagraph 2 or materials contaminated by nuclear fuel materials, etc. (hereinafter referred to as “package” in this Article) and vehicles loaded with or containing such container or materials and other machinery and apparatus transporting nuclear fuel materials, etc. (hereinafter referred to as “transport apparatus” in this Article) and at two meters away from the external surface of such vehicles shall not respectively exceed the radiation dose rate determined and publicly notified by the Minister of Education, Science and Technology, and the radioactive material contamination level on the surface of a package shall not exceed the permissible surface contamination level.

5. There shall be no fear that a package will move, be inverted or fall while it is removed and loaded onto the transport apparatus.

6. Nuclear fuel materials, etc. and dangerous goods set forth in each Subparagraph of Article 98 (1) hereof shall not be loaded in a same transport apparatus.

7. Access to the transport route of packages by any person other than those engaging in transport and any vehicle other than those used for transport shall be restricted by such means as installation of signs or deployment of observers.

8. In the case of transporting a package with a vehicle, such vehicle shall be operated slowly.

9. A person, who has knowledge and experience as regards handling of nuclear fuel materials, etc., shall accompany for supervision necessary for safety control.

10. Signs as provided in Article 106 hereof shall be attached to an appropriate area of a package (container if such package is contained in
the container) and transport apparatus.
11. The personal dose on the persons who engage in the transport of nuclear fuel materials, etc., other than radiation workers, shall not exceed the dose limit.
(2) In cases where it is extremely difficult to take all or a part of the measures provided in Subparagraphs 3 and 4 of the foregoing Paragraph (1), equivalent measures may be taken with the approval of the Nuclear Safety and Security Commission. Provided, that said provisions shall not apply if the radiation dose rate at ten centimeters and two meters away from the surface of the relevant package respectively exceeds the radiation dose rate as determined and publicly notified by the Nuclear Safety and Security Commission.
(3) The provisions of Subparagraphs 2 through 4 and Subparagraphs 7 through 10 of the foregoing Paragraph (1) shall not apply to transport within a radiation control area.

Article 10 (Processing and Discharge)

Technical standards as regards processing and discharge of radioactive wastes generated from nuclear fuel materials, etc. in a place of business shall be as follows:
1. Processing and discharge shall be performed under the supervision of a person who has knowledge and experience as regards prevention of radiation hazards, and those engaging in processing and discharge shall be required to wear necessary protective gear including working garments and gloves.
2. In the case of access to disposal facilities by any person other than those engaging in processing and discharge, such person shall be required to follow instructions of the supervisor.
3. In processing and discharging nuclear fuel materials, etc., gaseous radioactive wastes shall be discharged by using ventilation equipment after reducing the concentration of radioactive materials in ventilated air to the utmost possible extent by such means as filtration, radiation attenuation with lapse of time or dilution with a large amount of air. In such case, the concentration of radioactive materials in the air on the boundary of an exclusion area shall not exceed the limit under the discharge control standards (hereinafter referred to as “discharge control standards”) determined by the Nuclear Safety and Security Commission as provided in Subparagraph 12 of Article 2 of the Decree. For such purpose, the concentration of radioactive materials being ventilated shall be monitored at the ventilation outlet by using ventilation monitoring facilities.
4. In processing or discharging nuclear fuel materials, etc., liquid radioactive wastes shall be processed or discharged in the manner as provided in any of the following:
   a. Discharge by using drainage facilities;
   b. Storage at a storage pool that generates an effect of radiation hazard prevention;
   c. Storage at a storage facilities that generate an effect of radiation hazard prevention by placing such wastes in a container or solidifying them (including processing for waste solidification; hereinafter the same shall apply); and
   d. Incineration at incineration facilities as determined and publicly notified by the Nuclear Safety and Security Commission.

5. In cases where radioactive wastes are discharged as provided in the foregoing Subparagraph 4 (a), the concentration of radioactive materials in drainage shall be reduced to the utmost possible extent prior to such discharge, by such means as filtration, evaporation, absorption with ion exchange resin, etc., radiation attenuation with lapse of time or dilution with a large amount of water. In such case, the concentration of radioactive materials in the water on the boundary of an exclusion area shall not exceed the limit under the discharge control standards. For such purpose, the concentration of radioactive materials being drained shall be monitored at the drainage passage by using drainage monitoring facilities.

6. In cases where radioactive wastes are stored for such processing as provided in the foregoing Subparagraph 4 (b), measures necessary for cooling shall be taken if it is feared that the decay heat, etc. of such stored radioactive wastes may result in overheating.

7. In cases where radioactive wastes are contained in a container for such processing as provided in the foregoing Subparagraph 4 (c), such container shall meet each of the following standards:
   a. It shall have a structure that prevents permeation of water, resists corrosion and does not allow leakage of radioactive wastes;
   b. There shall be no fear that the container may be cracked or damaged; and
   c. The cover of the container shall not open easily.

8. In cases where radioactive wastes are solidified in such manner as provided in the foregoing Subparagraph 4 (c), diffusion or leakage of such solidified radioactive wastes shall be prevented.

9. In cases where radioactive wastes are stored in such manner as provided in the foregoing Subparagraph 4 (c), each of the following methods shall be employed:
   a. If it is feared that a container containing radioactive wastes may be
cracked or damaged, it shall be covered with absorbents that can absorb all such radioactive wastes and other materials that can prevent spread of contamination;
b. If it is feared that the decay heat, etc. of stored radioactive wastes may result in overheating, measures necessary for cooling shall be taken;
c. Signs that show existence of radioactive wastes shall be attached to a container containing radioactive wastes or solidified radioactive wastes, and a serial number shall be marked on such container or radioactive wastes for reconciliation thereof with the details recorded as provided in Article 49 of the Act; and
d. Cautions regarding management shall be posted at easily noticeable places in the relevant storage facilities.

10. Solid radioactive wastes shall be processed in the manner as provided in any of the following:
a. Such wastes shall be incinerated at incineration facilities as determined and publicly notified by the Nuclear Safety and Security Commission;
b. Such wastes shall be stored at storage facilities, which generate an effect of radiation hazard prevention, by placing them in a container or solidifying them; and
c. Radioactive wastes such as large-sized machinery, etc. that can hardly be contained in a container in such manner as provided in the foregoing Item (b) or radioactive wastes that require radioactivity decrease with lapse of time shall be stored at storage facilities that generate an effect of radiation hazard prevention.

11. In cases where radioactive wastes are stored in a container or disposed through solidification thereof as provided in the foregoing Subparagraph 10 (b), the standards set forth in the foregoing Subparagraphs 7 through Subparagraph 9 (excluding Item (a) thereof) shall apply.

12. In cases where radioactive wastes are stored in such manner as provided in the foregoing Subparagraph 10 (c), the standards set forth in the foregoing Subparagraph 9 (b) and 9 (d) shall apply.

Section 3 Handling Standards for Nuclear Source Materials

Article 11 (Scope of Application)

As regards the technical standards for the use (including the storage, transport, processing and discharge thereof) of nuclear source materials as provided in Article 52 (2) of the Act, the provisions of Articles 12
through 15 hereof shall apply.

Article 12 (Use)

Technical standards as regards the use of nuclear source materials shall be as follows:
1. Nuclear source materials shall be used at the use facilities thereof.
2. Cautions regarding use of nuclear source materials shall be posted at easily noticeable places of the use facilities thereof.
3. In order to prevent any radiation hazard to radiation workers and persons with frequent access, each of the following measures shall be taken:
   a. The personal dose on radiation workers shall not exceed the dose limit;
   b. The concentration of radioactive materials in the air inhaled by radiation workers shall not exceed the derived air concentration; and
   c. The personal dose on persons with frequent access shall not exceed the dose limit.
4. Measurement of the radiation dose rate and the level of contamination by nuclear source materials in a radiation control area shall be performed at a place most appropriate for such measurement by using radiation measuring apparatus. Provided, that if it is difficult to perform measurement by using such radiation measuring apparatus, such rate and contamination level may be assessed by means of calculation.
5. Measurement of personal dose as regards those who have access to a radiation control area shall be performed according to each of the following:
   a. Radiation measuring apparatus or radiation measuring devices shall be used for such measurement. Provided, that such quantity may be assessed by means of calculation in cases where it is difficult to perform measurement by using such apparatus or devices;
   b. In regard of exposure to external radiation, the parts of a human body that are most feared to be exposed (hands, feet, etc. and chest or abdomen if the exposed parts are hands, feet, etc.) shall be subject to measurement; and
   c. In regard of exposure of the inside of a human body to radiation, the personal dose shall be assessed by means of measurement or calculation of the concentration and quantity of radioactive materials in the air inhaled by humans.
6. Measurement of the level of contamination by nuclear source materials of the surface of a human body and an object worn by a human including working garments, footwear and protective gear shall be
performed at the surface of hands, feet, working garments, footwear and protective gear and other parts feared to be contaminated by nuclear source materials according to the method as provided in the foregoing Subparagraph 5 (a).

7. Measurement as provided in the foregoing Subparagraph 5 shall be performed constantly during working, and measurement as provided in the foregoing Subparagraph 6 shall be conducted upon completion of working.

8. Ventilation equipment, radiation measuring apparatus and emergency equipment shall be constantly maintained in a state where they can function properly.

Article 13 (Storage)

Technical standards as regards the storage of nuclear source materials shall be as follows:
1. nuclear source materials shall be stored at the storage facilities thereof; and
2. Cautions regarding storage of nuclear source materials shall be posted at easily noticeable places near the storage facilities thereof.

Article 14 (Transport)

Technical standards as regards the transport of nuclear source materials shall be as follows:
1. nuclear source materials shall be transported in a container. Provided, that this shall not apply in the case of transporting nuclear source materials within the use facilities thereof;
2. A container containing nuclear source materials shall not be easily damaged;
3. If it is feared that a container containing liquid or gaseous nuclear source materials may be cracked/damaged, such container shall be covered with absorbents and other materials that can prevent spread of contamination by nuclear source materials;
4. In the case of transporting nuclear source materials, a mark specifying the type and quantity of such nuclear source materials shall be attached to the container. Provided, that this shall not apply in the case of transporting nuclear source materials within the use facilities thereof; and
5. The radiation dose rate on the surface of a container, in which nuclear source materials to be transported remain sealed, shall not exceed 2
millisieverts per hour, and the radiation dose rate at one meter away from the surface of such container shall not exceed 0.1 millisievert per hour. Provided, that this shall not apply in the case of transporting nuclear source materials within the use facilities thereof.

**Article 15** (Processing and Discharge)

With respect to processing and discharge of nuclear source materials, the provisions of Article 10 hereof shall apply mutatis mutandis. In such case, “nuclear fuel materials, etc.” in the main clause of the same Article shall be deemed “nuclear source materials.”

Chapter III  Safety Control of Radioisotopes and Radiation Generating Devices

Section 1  Facility Standards for Radioisotopes and Radiation Generating Devices

Sub-section 1  Unsealed Sources

**Article 16** (Scope of Application)

As regards the technical standards for the location, structure and installations of the production facilities, use facilities, etc. of unsealed radioisotopes (hereinafter referred to as “unsealed sources”) among those radioisotopes provided in Article 55 (1) 1 and Article 59 (1) 1 of the Act, the provisions of Articles 17 through 23, 23−2 hereof shall apply.

**Article 17** (Production Facilities of Unsealed Sources)

(1) Production facilities of unsealed sources shall be installed at a place with solid ground and where there is less risk of a fire or inundation.
(2) Technical standards as regards the structure and installations of the production facilities of unsealed sources shall be as follows:
1. Major structures thereof shall be fireproof or made of non−flammable materials;
2. Necessary shielding walls or shielding materials shall be installed to ensure that the radiation dose falling under any of the following is not higher than the dose limit:
a. Radiation dose at a place in production facilities to which people have access at ordinary times; and
b. Radiation dose at an area adjoining the boundary of the place of business.

3. A work room shall be set up in accordance with each of the following standards:
a. The surface of the walls, floors and other parts feared to be contaminated by unsealed sources inside a work room shall be even and smooth and without any opening or hole, and be made of materials with strong corrosion resistance so that any gas or fluid cannot permeate; and
b. Devices that prevent diffusion of gaseous radioisotopes including a hood and glove box installed at a work room shall be linked to ventilation equipment.

4. A contamination inspection room shall be set up in accordance with each of the following standards:
a. A contamination inspection room shall be installed at a place most appropriate for inspection of contamination by unsealed sources including a place adjoining the entrance/exit accessed by people at ordinary times;
b. The walls, floors and other parts feared to be contaminated by unsealed sources inside a contamination inspection room shall meet the technical standards as provided in the foregoing Subparagraph 3 (a); and
c. A contamination inspection room shall be equipped with washing/dressing facilities, radiation measuring apparatus for contamination inspection and equipment necessary for contamination elimination.

5. At irradiation facilities for production of unsealed sources, equipment shall be installed in accordance with each of the following standards:
a. Devices that automatically display the fact that irradiation is underway shall be installed at the entrance/exit;
b. Interlocking devices that make the entrance/exit be opened/closed according to whether irradiation is underway shall be installed;
c. Devices that allow constant monitoring of the inside shall be installed; and
d. Devices restricting people's access shall be installed.

6. Fences and other facilities restricting people's access shall be set up on the boundary of the production facilities. Provided, that this shall not apply to those cases where shielding walls or shielding materials necessary to maintain the radiation dose, which falls under the foregoing Subparagraph 2 (a), at not higher than the dose limit remain installed.

7. Signs as specified in the attached Table 1 shall be attached to the fences
and other facilities restricting people’s access that are installed on the boundary of the production facilities, work room and contamination inspection room.

**Article 18 (Location of Use Facilities, etc.)**

Use facilities, etc. of unsealed sources shall be installed at a place with a solid ground and where there is less risk of a fire or inundation.

**Article 19 (Use Facilities and Distribution Facilities)**

(1) Technical standards as regards the structure and installations of the use facilities and distribution facilities of unsealed sources shall be as follows:

1. Major structures shall be fire-proof or made of non-flammable materials. Provided, that this shall not apply to those cases as determined and publicly notified by the Nuclear Safety and Security Commission.
2. Use facilities shall secure a sufficient space to install equipment and facilitate handling of unsealed sources.
3. Necessary shielding walls or shielding materials shall be installed to ensure that the radiation dose falling under any of the following is not higher than the dose limit:
   a. Radiation dose at a place in use facilities and distribution facilities to which people have access at ordinary times; and
   b. Radiation dose at an area adjoining the boundary of the place of business.
4. A work room shall be set up in accordance with each of the following:
   a. The surface of the walls, floors and other parts feared to be contaminated by unsealed sources inside a work room shall be even and smooth and without any opening or hole, and be made of materials with strong corrosion resistance so that any gas or fluid cannot permeate; and
   b. Devices that prevent diffusion of gaseous radioisotopes including a hood and glove box installed at a work room shall be linked to ventilation equipment. Provided, that this shall not apply to those cases as determined by the Nuclear Safety and Security Commission.
5. A contamination inspection room that meets each of the following shall be set up. Provided, that this shall not apply to those cases where unsealed sources are used or distributed within a sealed apparatus to eliminate any fear that the surface of a human body and an object worn by a human including working garments and footwear may be contaminated by radioisotopes and where the Nuclear Safety and Security Commission
determines and publicly notifies:

a. A contamination inspection room shall be installed at a place most appropriate for inspection of contamination by unsealed sources including a place adjoining the entrance/exit accessed by people at ordinary times;

b. The walls, floors and other parts feared to be contaminated by unsealed sources inside a contamination inspection room shall meet the technical standards as provided in the foregoing Subparagraph 4 (a); and

c. A contamination inspection room shall be equipped with washing /dressing facilities, radiation measuring apparatus for contamination inspection and machinery necessary for contamination elimination.

6. Fences and other facilities restricting people’s access shall be set up on the boundary. Provided, that this shall not apply to those cases where shielding walls or shielding materials necessary to maintain the radiation dose, which falls under the foregoing Subparagraph 3 (a), at not higher than the dose limit remain installed.

7. Signs as specified in the attached Table 1 shall be attached to the fences and other facilities restricting people’s access that are installed on the boundary of the use facilities, distribution facilities, work room and contamination inspection room.

(2) The provisions of the foregoing Paragraph (1) shall not apply to those cases where unsealed sources are extensively distributed or moved for such purposes as water leakage checking, epidemic survey of insects or relocation investigation of raw materials in their production process or where unsealed sources are temporarily used or distributed.

**Article 20 (Storage Facilities)**

Technical standards as regards the structure and installations of the storage facilities of unsealed sources shall be as follows:

1. Storage facilities shall have such structure as provided in each of the following:
   a. Major structures and entrance/exit of a storage room shall be fireproof or made of non-flammable materials; and
   b. A storage box shall have a fireproof structure or be made of non-flammable materials.

2. Shielding walls or shielding materials that meet the technical standards under Article 19 (1) 3 hereof shall be installed at storage facilities.

3. Containers that are kept available at storage facilities shall meet each of the following standards:
   a. A container containing unsealed sources that are feared to contaminate
the air in the outside shall have an airtight structure;
b. A container containing liquid unsealed sources shall have a structure that prevents leakage of any fluids and be made of materials that fluids cannot permeate; and
c. If it is feared that a container containing liquid or gaseous unsealed sources may be cracked or damaged, undertrays, absorbents and other facilities or apparatus to prevent spread of contamination by unsealed sources shall be installed.

4. Locks and other equipment or apparatus for prevention of any theft or loss shall be installed at a point of storage facilities leading to the outside including a door and cover.

5. On the boundary of storage facilities, fences, other facilities restricting people's access thereto shall be set up.

6. Signs as specified in the attached Table 1 shall be attached to the storage room, storage box, containers as provided in the foregoing Subparagraph 3 and the fences and other facilities restricting people's access that are installed on the boundary of the storage facilities.

Article 21 (Conservation Facilities)

Technical standards as regards the structure and installations of conservation facilities of unsealed sources and materials contaminated thereby shall be as follows:
1. Major structures thereof shall be fireproof or made of non–flammable materials.
2. Shielding walls or shielding materials that meet the technical standards as provided in Article 19 (1) 3 hereof shall be installed.
3. Conservation installations meeting each of the following standards shall be secured:
   a. The installations shall have a structure that is comparted from the outside;
   b. Locks and other equipment or apparatus for prevention of any theft or loss shall be installed at a point leading to the outside including a door and cover; and
   c. Containers meeting the technical standards under Subparagraph 3 of Article 20 hereof shall be kept available. Provided, that this shall not apply to large–sized machinery, etc. contaminated by radioisotopes which can hardly be contained in a container and regarding which measures to prevent spread of contamination have been taken accordingly.

4. Signs as specified in the attached Table 1 shall be attached to the conservation installations, containers as provided in the foregoing Subparagraph 3 (c) and other facilities restricting people’s access.
Article 22 (Processing Facilities)

Technical standards as regards the structure and installations of the processing facilities of unsealed sources and materials contaminated thereby shall be as follows:
1. Major structures thereof shall be fireproof or made of non-flammable materials.
2. Shielding walls or shielding materials that meet the technical standards as provided Article 19 (1) 3 hereof shall be installed.
3. In the case of incineration of radioisotopes and materials contaminated thereby, incineration facilities shall be installed as determined and publicly notified by the Nuclear Safety and Security Commission.
4. In cases where radioisotopes and materials contaminated thereby are solidified with concrete or other solidifying materials, installation of solidification facilities in accordance with each of the following as well as installation of a contamination inspection room and ventilation equipment meeting the standards set forth in Subparagraph 4 of Article 23 hereof shall be performed:
   a. Solidification facilities shall have a structure that prevents leakage or overflow of radioisotopes and materials contaminated thereby and diffusion of dust; and
   b. Solidification facilities shall be made of materials that fluids cannot permeate and that have strong corrosion resistance.
5. Signs as specified in the attached Table 1 shall be attached to the incinerator, contamination inspection room and other facilities restricting people's access.

Article 23 (Discharge Facilities)

Technical standards as regards the structure and installations of the discharge facilities of unsealed sources and materials contaminated thereby shall be as follows:
1. Major structures thereof shall be fireproof or made of non-flammable materials.
2. Shielding walls or shielding materials that meet the technical standards as provided in Article 19 (1) 3 hereof shall be installed.
3. In cases where liquid radioisotopes are purified or discharged, drainage equipment shall be installed as provided in each of the following: provided that this shall not apply to those cases as determined and publicly notified by the Nuclear Safety and Security Commission:
   a. Drainage equipment shall be capable of maintaining the concentration of
radioisotopes in effluents collected in a drainage passage within or under the limit specified under the discharge control standards: provided that this shall not apply to cases where it is difficult to maintain the radioisotope concentration of effluents collected in a drainage passage within or under the limit specified under the discharge control standards to the extent that drainage monitoring facilities for the monitoring of radioisotope concentration in effluents have been installed and that the concentration of radioisotopes in the water outside the boundary of the place of business is kept within the limit provided under the discharge control standards:

b. Drainage equipment shall have a structure which prevents the leakage of any effluents, and shall be made of materials which effluents cannot permeate and which are highly resistant to corrosion; and
c. A drainage purification tank shall be installed for the collection of effluents and the easy measurement of the radioisotope concentration therein, and facilities designed to restricting public access thereto, including the erection of fences in the surroundings thereof.

4. In the case of the purification or discharge of gaseous radioisotopes, ventilation equipment shall be installed as provided in each of the following: provided that this shall not apply to those cases as determined and publicly notified by the Nuclear Safety and Security Commission:

a. Ventilation equipment shall be capable of maintaining the concentration of radioisotopes in the air at a place accessed by personnel, at ordinary times, in a work room within the limit set under the derived air concentration;
b. Ventilation equipment shall be capable of maintaining the radioisotope concentration in ventilated air at the ventilation outlet within the limit set under the discharge control standards: provided that this shall not apply to those cases where it is difficult to maintain the radioisotope concentration in ventilated air at the ventilation outlet within the limit set under the discharge control standards, to the extent that ventilation monitoring facilities for the monitoring of the radioisotope concentration in ventilated air have been installed and that the concentration of radioisotopes in the air outside the boundary of the place of business, etc. is maintained within the limit set under the discharge control standards;
c. Ventilation equipment shall have a structure which prevents the leakage of gas through anything other than a ventilation outlet, and shall be made of materials that are highly resistant to corrosion; and
d. Ventilation equipment shall be equipped with devices that can swiftly prevent the spread of air contaminated by radioisotopes in the event
of any breakdown thereof.

5. Signs as specified in the attached Table 1 shall be attached to drainage equipment, ventilation equipment and other facilities designed to restrict public access.

Article 23-2 (Facilities for Secure Management of Unsealed Sources)

Facilities that produce or use unsealed sources of a quantity greater than those provided by the Nuclear Safety and Security Commission shall be equipped with secure management facilities or equipment as determined and published by the Nuclear Safety and Security Commission.

Sub-section 2 Sealed Sources

Article 24 (Scope of Application)

As regards the technical standards for the location, structure and installations of the production facilities, use facilities, etc. of sealed radioisotopes (hereinafter referred to as “sealed sources”) among those radioisotopes provided in Article 55 (1) 1 and Article 59 (1) 1 of the Act, the provisions of Articles 25 through 29, 29-2 hereof shall apply.

Article 25 (Production Facilities of Sealed Sources)

(1) The production facilities of sealed sources shall have a structure that enables people in such production facilities to rapidly escape in the event of an emergency, and the entrance/exit thereof not accessed by people at ordinary times including a entrance/exit and emergency exit shall not be allowed to be opened/closed from the outside.
(2) As regards the technical standards for the structure and installations of the production facilities of sealed sources, the provisions of Article 17 (1) and Subparagraphs 1, 2 and 5 through 7 of Article 17 (2) hereof shall apply mutatis mutandis to those matters not provided in the foregoing Paragraph (1). In such case, “unsealed sources” in Article 17 hereof shall be deemed “sealed sources.”

Article 26 (Location of Use Facilities, etc.)

The use facilities, etc. of sealed sources shall be installed at a site where there is less risk of a fire, inundation or ground subsidence.

Article 27 (Use Facilities and Distribution Facilities)
(1) Technical standards as regards the structure and installations of the use facilities and distribution facilities of sealed sources shall be as follows:
1. Major structures shall be fireproof or made of non-flammable materials.
2. Necessary shielding walls or shielding materials shall be installed to ensure that the radiation dose falling under any of the following is not higher than the dose limit:
   a. Radiation dose at a place to which people have access at ordinary times; and
   b. Radiation dose at an area adjoining the boundary of the place of business.
3. In using or distributing sealed sources of not less than 111 terabecquerels, each of the following equipment shall be secured:
   a. The apparatus automatically displaying the fact that sealed sources are being used or distributed shall be installed at the entrance/exit;
   b. Interlocking devices, which make the entrance/exit be opened/closed according to whether sealed sources are being used or distributed, shall be installed;
   c. Apparatus that allows constant monitoring of the inside shall be installed; and
   d. Apparatus limiting people’s access shall be installed.
4. On the boundary of the use and distribution facilities, facilities restricting people’s access thereto including fences shall be set up and the signs as specified in the attached Table 1 shall be attached. Provided, that this shall not apply to those cases where shielding walls or shielding materials necessary to maintain the radiation dose, which falls under the foregoing Subparagraph 2 (a), at not higher than the dose limit remain installed:
5. The use facilities or distribution facilities shall have a structure that enables people in such facilities to rapidly escape in the event of an emergency, and the entrance/exit thereof not accessed by people at ordinary times including the carry-in entrance and emergency exit shall not be allowed to be opened/closed from the outside.

(2) The provisions of Subparagraphs 1, 2, 3 and 5 of the foregoing Paragraph (1) shall not apply to those cases where sealed sources are moved, from time to time, for use or distribution thereof.

Article 27–2 (Facilities Used for Radiographic Examination)
The technical standards concerning the equipment and layout of the facility in which sealed sources are used for radiographic examinations are as follows:
1. Must conform to the technical standards prescribed in Article 27 (1) 1, 2 and 4:
2. Must install devices outside the entrance and the hatch to indicate that radiation work is being performed;
3. Must have devices for restricting access;
4. Must install radiation detection and alarm devices for people inside to be aware of the radiation work being performed or an emergency situation upon occurrence;
5. Must install at least one device on each wall to inform those outside of any emergency situations from the inside;
6. Must prepare appropriate transportation means and methods, etc. to facilitate the transport of the specimens subject to examination into the facility;
7. Must install a remote operating device for the gamma ray equipment in a way that makes it possible for the equipment to be operated from outside the facility without affecting the radiation shield;
8. In the case of facilities where a ceiling shielding that meets the standards prescribed in Article 27 (1) 2 has not been installed for the transport of specimens, the corresponding standards must be satisfied by seeking other methods such as an additional shield design, adjustment of the radioactive source used and restrictions on irradiation methods.

**Article 28 (Storage Facilities)**

Technical standards as regards the structure and installations of the storage facilities of sealed sources are as follows:
1. The structure of storage facilities shall be as follows:
   a. Major structures and entrance/exit of a storage room shall be fireproof or made of non-flammable materials; and
   b. A storage box shall have a fireproof structure or be made of non-flammable materials.
2. Shielding walls or shielding materials that meet the technical standards as provided in Article 27 (1) 2 hereof shall be installed.
3. Locks and other equipment or apparatus for prevention of any theft or loss shall be installed at a point leading to the outside including a door and cover:
4. Fences, other facilities restricting people’s access shall be installed on the boundary of the storage facilities.
5. Signs as specified in the attached Table 1 shall be attached to the storage room, storage box, fences installed on the boundary of storage facilities and so forth.

**Article 29 (Conservation Facilities)**
Technical standards as regards the structure and installations of the conservation facilities of sealed sources to be disposed shall be as follows:
1. The facilities shall have a fireproof structure or be made of non-flammable materials;
2. The facilities shall have a structure which is imparted from the outside;
3. Locks and other equipment or apparatus for prevention of any theft or loss shall be installed at a point leading to the outside including a door and cover;
4. Shielding walls or shielding materials that meet the technical standards as provided in Article 27 (1) 2 hereof shall be installed; and
5. On the boundary of the facilities, signs as specified in the attached Table 1 shall be attached, and fences, other facilities restricting people's access thereto shall be installed.

**Article 29–2 (Facilities for Secure Management of Sealed Sources)**

Facilities that produce or use sealed sources of a quantity greater than those provided by the Nuclear Safety and Security Commission shall be equipped with secure management facilities or equipment as determined and published by the Nuclear Safety and Security Commission.

**Sub-section 3 Radiation Generating Devices**

**Article 30 (Scope of Application)**

As regards the technical standards for the location, structure and installations of the production facilities, utilization facilities and conservation facilities of radiation generating devices as provided in Article 55 (1) 1 and Article 59 (1) 1 of the Act, the provisions of Articles 31 through 34 hereof shall apply.

**Article 31 (Production Facilities of Radiation Generating Devices)**

The provisions of Article 17 (1) and Subparagraphs 2, 6 and 7 of Article 17 (2) hereof shall apply mutatis mutandis to the technical standards for the structure and installations of the production facilities of radiation generating devices. In such case, “unsealed sources” in Article 17 hereof shall be deemed “radiation generating devices.”

**Article 32 (Location of Use Facilities and Conservation Facilities)**

The use facilities and conservation facilities of radiation generating devices shall be installed at a site where there is less risk of a fire, inundation or ground subsidence.
Article 33 (Use Facilities)

(1) Technical standards as regards the structure and installations of the use facilities of radiation generating devices shall be as follows:
1. Necessary shielding walls or shielding materials shall be installed at use facilities to ensure that the radiation dose falling under any of the following is not higher than the dose limit:
   a. Radiation dose at a place in use facilities to which people have access at ordinary times; and
   b. Radiation dose at an area adjoining the boundary of the place of business.
2. In using radiation generating devices, the apparatus automatically displaying the fact that radiation generating devices are in use and the apparatus limiting people's access shall be installed at the entrance/exit of the use facilities thereof.
3. In using radiation generating devices, interlocking devices, which make the entrance/exit of use facilities be opened/closed according to whether radiation generating devices are in use, shall be installed.
4. Fences and other facilities restricting people’s access shall be set up on the boundary of the use facilities. Provided, that this shall not apply to those cases where shielding walls or shielding materials necessary to maintain the radiation dose, which falls under the foregoing Paragraph (1) 1 (a), at not higher than the dose limit remain installed;
5. Signs as specified in the attached Table 1 shall be attached to the fences and other facilities restricting people's access which are set up at use facilities and on the boundary of use facilities.
6. The use facilities shall have a structure that enables people in such facilities to rapidly escape in the event of an emergency, and the entrance/exit not accessed by people at ordinary times including a carry-in entrance and emergency exit shall not be allowed to be opened/closed from the outside.

(2) The provisions of Subparagraphs 1, 3 and 6 of the foregoing Paragraph (1) shall not apply to those cases where radiation generating devices are moved, from time to time, for the use thereof.

Article 33-2 (Facilities Used for Radiographic Examination)
The technical standards concerning the equipment and layout of the facility in which sealed sources are used for radiographic examinations are as follows:
1. Must conform to the technical standards prescribed in Article 33 (1) 1, 4 and 5;
2. Must install devices outside the entrance and the hatch to indicate that
radiation work is being performed:
3. Must install radiation detection and alarm devices for people inside to be aware of the radiation work being performed or an emergency situation upon occurrence;
4. Must install at least one device on each wall to inform those outside of any emergency situations from the inside;
5. Must prepare appropriate transportation means and methods, etc. to facilitate the transport of the specimens subject to examination into the facility;
6. Must install the control box of any radiation generating device in a way that makes it possible for the device to be operated from outside the facility without affecting the radiation shield.

Article 34 (Conservation Facilities)

Technical standards as regards the structure and installations of the conservation facilities of radiation generating devices shall be as follows:
1. Locks and other equipment or apparatus to prevent any theft or loss shall be installed at a point leading to the outside including a door and cover; and
2. Cautions necessary for prevention of radiation hazards shall be posted at an easily noticeable place of the entrance/exit.

Section 2 Handling Standards for Radioisotopes and Radiation Generating Devices

Sub-section 1 Unsealed Sources

Article 35 (Scope of Application)

As regards the technical standards for the production of unsealed sources among those radioisotopes as provided in Article 59 (1) 2 of the Act and the use, distribution, storage, transport, conservation, processing or discharge of unsealed sources or materials contaminated thereby, the provisions of Articles 36 through 40, 40–2 hereof shall apply.

Article 36 (Production)

Technical standards as regards the production of unsealed sources shall be as follows:
1. The personal dose on radiation workers or persons with frequent access
shall not exceed the dose limit by execution of each of the following measures:

a. Shielding of radiation by means of shielding walls or shielding materials;
b. Ensuring a reasonable distance between unsealed sources and humans by using remote-controlled devices, grippers and so forth and the use of shielding materials; and
c. Reduction of the time of exposure of a human to radiation by means of detailed work plans, proficiency/training and so forth.

2. The concentration of radioisotopes in the air inhaled by people at a place in production facilities accessed by them at ordinary times shall not exceed the derived air concentration by means of the purification or ventilation of air contaminated by radioisotopes.

3. The level of contamination by radioisotopes on the surface of an object contacted by people in the production facilities shall not exceed the permissible surface contamination level.

4. Personnel shall be required to wear working garments, footwear, protective gear and so forth in the production facilities, and shall not be allowed to leave a work room wearing these working garments and so forth.

5. In leaving the production facilities, the level of contamination by radioisotopes on the surface of objects worn by humans shall be inspected, and any contamination shall be eliminated.

6. Cautions necessary for the prevention of radiation hazards shall be posted at easily noticeable places in the production facilities.

Article 37 (Use and Distribution)

Technical standards as regards the use or distribution of unsealed sources shall be as follows:

1. Unsealed sources shall be used or distributed at use facilities or work rooms.

2. The personal dose on radiation workers or persons with frequent access shall not exceed the dose limit by execution of each of the following measures:

a. Shielding against radiation by means of shielding walls or shielding materials;
b. Ensuring a reasonable distance between unsealed sources and humans by using remote-controlled devices, grippers and so forth and the use of shielding materials; and
c. Reduction of the time of exposure of a human to radiation by means of detailed work plans, proficiency/training and so forth.

3. The concentration of radioisotopes in the air inhaled by people at a place in a
work room accessed by them at ordinary times shall not exceed the derived air concentration, by means of purification or ventilation of the air contaminated by radioisotopes.

4. The level of contamination by radioisotopes on the surface of an object contacted by people in a work room or contamination inspection room shall not exceed the permissible surface contamination level.

5. Personnel shall be required to wear working garments, footwear, protective gear and so forth in a work room, and shall not be allowed to leave the work room wearing such working garments and so forth.

6. In leaving a work room, the level of contamination by radioisotopes on the surface of a human body and the objects worn by a human including working garments, footwear and protective gear shall be inspected and any contamination shall be eliminated.

7. Cautions necessary for the prevention of radiation hazards shall be posted at easily noticeable places in use or distribution facilities.

**Article 38 (Storage)**

The technical standards for the storage of unsealed sources shall be as follows:

1. Unsealed sources shall be stored in containers at storage facilities;
2. Unsealed sources shall not be stored in excess of the storage capacity of the storage facilities;
3. The personal dose limit of radiation workers or persons with frequent access shall not exceed the dose limit by execution of the measures set forth in each item of Subparagraph 2 of Article 37 hereof;
4. Transportation of a storage box shall be restricted while unsealed sources are contained in such storage case;
5. The concentration of radioisotopes in the air inhaled by personnel in storage facilities shall not exceed the specified concentration.
6. Each of the following measures shall be taken in order to ensure that the level of contamination by radioisotopes on the surface of an object with which personnel come into contact in storage facilities does not exceed the permissible surface contamination level:
   a. Liquid radioisotopes shall be contained in a container that has a structure designed to prevent the overflow of fluids and which is made of materials that prohibit the permeation of fluids; and
   b. If it is feared that a container containing liquid radioisotopes may be cracked or damaged, the spread of contamination by radioisotopes shall be prevented by using under trays, absorbents and other facilities or apparatuses.
7. Access shall be restricted in a radiation control area
Article 39 (Transport)

(1) Technical standards as regards the transport of unsealed sources and materials contaminated thereby within a place of business shall be as follows:

1. Unsealed sources and materials contaminated thereby shall be transported in sealed containers. Provided, that this shall not apply to those cases where any of the following measures are taken:
   a. Transport of materials contaminated by radioisotopes (only in those cases where the concentration of radioisotopes contained in such materials does not exceed the permissible surface contamination level) based on the implementation of actions to prevent diffusion or leakage of radioisotopes or other actions for the prevention of any radiation hazard as determined and publicly notified by the Minister of Education, Science and Technology; and
   b. Transport of materials contaminated by radioisotopes, which are difficult to be transported in a container such as large-sized machinery, with the approval of the Nuclear Safety and Security Commission.

2. The radiation dose rate at ten centimeters away from the surface of the container containing radioisotopes and materials contaminated thereby (including those contaminated by radioisotopes as provided in Item (a) or (b) of the foregoing Subparagraph 1; hereinafter referred to as the “package” in this Article), and vehicles carrying them or machinery/devices transporting radioisotopes and materials contaminated thereby (hereinafter referred to as “vehicles, etc.” in this Article) and at two meters away from the external surface of such vehicles shall not exceed the radiation dose rate determined and publicly notified by the Nuclear Safety and Security Commission, and the level of contamination by radioisotopes on the surface of a package shall not exceed the permissible surface contamination level.

3. In loading packages onto vehicles, etc., the safety of the packages will not be hampered for such reasons as their moving, being inverted or falling during the transport thereof.

4. Dangerous goods set forth in Article 98 hereof and packages shall not be loaded in the same vehicle, etc.

5. Access to the transport route of packages by any person other than those engaging in transport and any vehicles, etc. other than those used for transport shall be restricted by such means as installation of signs or deployment of observers.

6. Any vehicles, etc., which are being used to transport packages, shall be
operated slowly.

7. A person, who has knowledge and experience regarding the handling of radioisotopes, shall be required to accompany or provide supervision necessary for the prevention of any radiation hazard.

8. Signs as provided in the attached Table 2 hereof shall be attached to an easily noticeable spot on packages, vehicles, etc.

9. The personal dose on any persons who engage in transporting packages, other than radiation workers, shall not exceed the dose limit.

10. Radioisotopes and materials contaminated thereby that are feared to have the possibility to contaminate the packages, etc. outside a container shall be transported in a container with an airtight structure.

11. Liquid radioisotopes and materials contaminated thereby shall be transported in a container which is made of materials resisting permeation of such fluids or corrosion and which has a structure that makes it hard to be inverted.

(2) In those cases where it is difficult to take all or a part of the measures set forth in Subparagraph 3 of the foregoing Paragraph (1), such measures may be substituted with those measures approved by the Nuclear Safety and Security Commission. In such case, the radiation dose rate at ten centimeters and two meters away from the surface of the relevant package shall not exceed the radiation dose rate as determined and publicly notified by the Nuclear Safety and Security Commission.

(3) The provisions of Subparagraphs 1, 2 and 5 through 8 of the foregoing Paragraph (1) shall not apply to transport within a radiation control area.

(4) The provisions of the foregoing Paragraph (1) shall not apply to the transport of radioisotopes and materials contaminated thereby within use facilities, etc. as well as those cases where the time spent for transport is short and there is no likelihood of a radiation hazard.

**Article 40 (Conservation, Processing and Discharge)**

In those cases where radioisotopes or materials contaminated thereby are conserved, processed and discharged in a place of business, each of the following technical standards as well as the provisions in each Subparagraph of Article 37 hereof (excluding Subparagraph 1) shall apply mutatis mutandis. In such case, “use or distribution facilities” in Subparagraph 7 of the same Article shall be deemed “conservation, processing and discharge facilities”:

1. Gaseous radioisotopes or materials contaminated thereby shall be purified or discharged with ventilation equipment.

2. In the case of discharge as provided in the foregoing Subparagraph 1, the concentration of radioisotopes in ventilated air at the ventilation outlet of ventilation equipment shall be no higher than the limit under the discharge
control standards. Provided, that said provisions shall not apply in the case of the proviso of Subparagraph 4 (b) of Article 23 hereof.

3. In eliminating radioisotopes attached to ventilation equipment, ground cloth, undertray or absorbents, other facilities and apparatus to prevent spread of contamination by radioisotopes and protective gear shall be used.

4. Liquid radioisotopes or materials contaminated thereby shall be conserved, processed or discharged based on any of the following methods:
   a. Purification with drainage equipment or discharge;
   b. Conservation by placing them in a container or solidifying them with concrete or other solidifying materials in solidification facilities; and
   c. Incineration according to the standards determined and publicly notified by the Nuclear Safety and Security Commission to prevent any radiation hazard.

5. In the case of discharge in such method as provided in the foregoing Subparagraph 4 (a), the concentration of radioisotopes in effluents at the drainage passage of drainage equipment shall be no higher than the limit under the discharge control standards. Provided, that this shall not apply in the case of the proviso of Subparagraph 3 (a) of Article 23 hereof.

6. In the case of discharge in such method as provided in the foregoing Subparagraph 4 (a), ground cloth, undertrays or absorbents, other facilities and apparatus to prevent spread of contamination by radioisotopes or protective gear shall be used, if effluents are processed or radioisotopes such as deposits or sediments of the drainage equipment as provided in said Subparagraph 4 (a) are eliminated.

7. In the case of conservation in such method as provided in the foregoing Subparagraph 4 (b), the container containing liquid radioisotopes and materials contaminated thereby shall have a structure that prevents the overflow of fluids and be made of materials prohibiting permeation of fluids.

8. In the case of conservation of liquid radioisotopes or materials contaminated thereby in a container in such manner as provided in the foregoing Subparagraph 4 (b), spread of contamination by radioisotopes shall be prevented by the use of undertrays, absorbents and other facilities or apparatus to prevent spread of contamination by radioisotopes, if it is feared that such container may be cracked or damaged.

9. In the case of solidification of liquid radioisotopes or materials contaminated thereby among the methods as set forth in the foregoing Subparagraph 4 (b), any diffusion or leakage of such liquid radioisotopes or materials contaminated thereby shall be prevented.

**Article 40–2 (Secure Management of Unsealed Sources)**

To produce, use, distribute, store, save or transport unsealed sources of a quantity greater than those provided by the Nuclear Safety and Security Commission, plans for their secure management shall be developed and
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implemented as determined and published by the Nuclear Safety and Security Commission.

Sub-section 2 Sealed Sources

Article 41 (Scope of Application)

As regards the technical standards for the production of sealed sources among the radioisotopes as provided in Article 59 (1) 2 of the Act and the use, distribution, conservation, storage or transport of sealed sources or materials contaminated thereby, the provisions of Articles 42 through 46, 46–2 hereof shall apply.

Article 42 (Production)

As regards the technical standards for the production of sealed sources, the provisions of Subparagraphs 1 and 6 of the foregoing Article 36 shall apply mutatis mutandis.

Article 43 (Use)

Technical standards as regards the use of sealed sources shall be as follows:
1. Sealed sources shall be used only in use facilities.
2. There shall be no likelihood that sealed sources will be opened or destroyed during normal use.
3. The personal dose on radiation workers or persons with frequent access shall not exceed the dose limit by execution of each of the following measures:
   a. Shielding of radiation by means of shielding walls or shielding materials;
   b. Ensuring a reasonable distance between unsealed sources and a human by using remote-controlled devices, grippers and so forth; and
   c. Reduction of the time of radiation exposure to a human by means of detailed work plans, handling proficiency/training and so forth.
4. Cautions necessary for the prevention of radiation hazards shall be posted at easily noticeable places at use facilities or radiation control areas.
5. In the case of mobile use of sealed sources, any abnormality including loss or leakage of such sealed sources shall be checked immediately after the use thereof. If any abnormality is detected, a survey and other measures necessary for the prevention of radiation hazards shall be
6. In order to verify the integrity of sealed sources, checking for leakage shall be conducted as determined and publicly notified by the Nuclear Safety and Security Commission.

7. In order to verify the integrity of radiation equipment containing sealed sources, regular checking shall be conducted as determined and publicly notified by the Nuclear Safety and Security Commission.

**Article 44 (Distribution)**

Technical standards as regards the distribution of sealed sources shall be as follows:

1. Sealed sources shall be distributed at distribution facilities;
2. In cases where radioisotopes are distributed sealed, such radioisotopes shall be distributed in a state meeting the provisions of Subparagraph 2 of Article 43 hereof; and
3. Cautions necessary for the prevention of radiation hazards shall be posted at easily noticeable places in the distribution facilities.

**Article 45 (Conservation/Storage)**

Technical standards as regards conservation or storage of sealed sources shall be as follows:

1. Sealed sources not being used shall be stored at storage facilities;
2. Radioisotopes shall not be stored in excess of the storage capacity of storage facilities;
3. The personal dose on radiation workers and persons with frequent access shall not exceed the dose limit by execution of the measures as set forth in each item of Subparagraph 2 of Article 37 hereof;
4. In the case of conservation/storage of radioisotopes in a storage box (if radioisotopes are conserved in a fireproof container, such container), transport thereof shall be restricted;
5. Cautions necessary for the prevention of radiation hazards shall be posted at easily noticeable places in conservation/storage facilities.

**Article 46 (Transport)**

In those cases where sealed sources are transported within a place of business, the provisions of Article 39 hereof shall apply mutatis mutandis. In such case, “unsealed sources and materials contaminated thereby” shall be deemed “sealed sources.”
Article 46-2 (Secure Management of Sealed Sources)

To produce, use, distribute, store, save or transport sealed sources of a quantity greater than those provided by the Nuclear Safety and Security Commission, plans for their secure management shall be developed and implemented as determined and published by the Nuclear Safety and Security Commission.

Sub-section 3 Radiation Generating Devices

Article 47 (Production)

As regards the technical standards for the production of radiation generating devices as provided in Article 59 (1) 2 of the Act, the provisions of Subparagraphs 1 and 6 of Article 36 hereof shall apply mutatis mutandis. In such case, “unsealed sources” in Article 36 hereof shall be deemed “radiation generating devices.”

Article 48 (Use)

Technical standards as regards the use of radiation generating devices as provided in Article 59 (1) 2 of the Act shall be as follows:
1. Such devices shall be used in use facilities only.
2. There shall be no likelihood that radiation generating devices will be destroyed during normal use.
3. Each of the following measures shall be taken:
   a. Shielding of radiation by means of shielding walls or shielding materials;
   b. Ensuring a reasonable distance between radiation generating devices and humans by using remote-controlled devices; and
   c. Reduction of the time of exposure of a human to radiation by means of detailed work plans, handling proficiency/training and so forth.
4. Cautions necessary for the prevention of radiation hazards shall be posted at easily noticeable places at use facilities or radiation control areas.
5. In order to verify the integrity of radiation generating devices, regular checking shall be conducted as determined and publicly notified by the Nuclear Safety and Security Commission.

Section 3 Medical Safety Control

Article 49 (Scope of Application)
As regards the facility standards of use facilities, etc. and handling standards at medical institutions as provided in Subparagraph 1 of Article 55 (1) and Subparagraphs 1 and 2 of Article 59 (1) of the Act, the provisions of Articles 16 through 48 hereof as well as Articles 50 through 54 hereof shall apply.

**Article 50** (Protection Against or Control of Medical Radiation)

(1) When using radioisotopes on the human body, controls of exposure to radiation shall be conducted in the following cases (“Medical exposure” hereinafter):
   1. Individual exposure for the purpose of medical treatment;
   2. Exposure of the fetus or infant of a breast-feeding patient;
   3. Exposure of family members or friends attending a patient undergoing medical treatment;
   4. Exposure of volunteers participating as guinea pigs in medical or bio research using radiation.
(2) Those persons who use radioisotopes on the human body shall ensure that the benefit of radiation exposure is greater than any potential harm.
(3) The radiation exposure of users under paragraph 2 shall be maintained as low as reasonably achievable in consideration of economic and social factors.

**Article 51** (Responsibility of Users)

(1) Those who apply radioisotopes to the human body shall be medical doctors with sufficient expertise in the field of protection against medical radiation.
(2) Those who apply radioisotopes to the human body shall ensure that adequate radiation protection measures are developed and shall request medical doctors, and medical exposure shall not be permitted unless those patients who are to be exposed for medical treatment or their legal guardian duly signal their full understanding of and consent to the said exposure treatment as determined and published by the Nuclear Safety and Security Commission.
(3) The users specified under paragraph 1 shall employ all available means to minimize any possible unintended or accidental medical exposure, and shall take the appropriate corrective actions immediately after investigating such medical exposure.
(4) The users specified under paragraph 1 shall periodically review and maintain records of cases involving medical exposure to justify or optimize the medical exposure performed at facilities using radiation as determined and published by the Nuclear Safety and Security Commission.
Article 52 (Quality Control of Medical Radiation)

(1) Those who use radioisotopes on the human body for medical purposes shall maintain the patient’s exposure dose or administered radioactivity dose as prescribed by medical doctors.
(2) The users specified under paragraph 1 shall maintain the radiation medical treatment equipment in the condition determined and published by the Nuclear Safety and Security Commission and shall employ personnel for the quality control of medical radiation in addition to radiation safety officers.

Article 53 (Safety Management of Patients Administered with Radioisotopes)

(1) Those who apply radioisotopes to the human body for medical purposes shall hospitalize patients when the level of radioactivity remaining in their body or when their level of radioactivity or radiation dose when measured 1m away from the surface of their body exceeds the quantity determined and published by the Nuclear Safety and Security Commission, separately from general patients.
(2) The users specified under paragraph 1 shall install dedicated toilets in the hospital rooms.
(3) The users specified under paragraph 1 shall follow the provision determined and published by the Nuclear Safety and Security Commission when a patient discharges excreta.

Article 54 (Pregnant or Breast-Feeding Women)

Those who apply radioisotopes to the human body for medical purposes shall develop and perform adequate procedures for protection against radiation as determined and published by the Nuclear Safety and Security Commission when a female patient administered with radiation is pregnant or is thought to be pregnant, or breast feeding female patient.

Section 4 Safety Control of Mobile Use

Article 55 (Scope of Application)

As regards the facility standards and handling standards concerning mobile use for non-destructive inspection as provided in Subparagraph 3 of Article 59 (1) of the Act, the provisions of Articles 24 through 34 and Articles 41 through 48 hereof as well as the provisions of Articles 56
through 58-2 hereof shall apply.

**Article 56** (Location)

In the case of the use of radioisotopes, etc. by moving them to a temporary place of use, the provisions of Articles 26 and 32 hereof shall not apply.

**Article 57** (Work Related to Non-Destructive Inspection Outside the Use Facility)

The use of radioisotopes outside a fixed shielded use facility shall be limited exclusively to cases where transfer of the inspected Article into the use facility is blocked for a justifiable or reasonable cause and where there is no available inspection method other than non-destructive inspection, and the following technical standards shall be applied to such inspection:
1. Necessary shielding walls or shielding materials shall be installed to ensure that the personal dose does not exceed the dose limit; and
2. Warning lights that double as sirens as well as signal lights shall be installed in all directions of the facilities for restricting people's access, including fences installed at the boundary of a radiation control area.
3. Ir-192: 0.74tera Becquerel or lower radioisotope only shall be used.

**Article 57-2** (Work environment)

The owner shall take the below-listed actions to provide a safe work environment pursuant to Article 59 (1) of the Act:
1. The owner shall provide a safe work environment in which the required safety distance corresponding to measures for preventing radiation hazards can be maintained between the used facility, shielding material or radiation source and the workers;
2. The owner shall ensure the service contract does not cause any impediment to the development or performance of the radiation safety management plans by the permitted users;
3. The owner shall warn the employees assigned to the workplace or those who enter the workplace that a radiographic inspection will be conducted; and
4. Radiation impact caused by simultaneous work shall be minimized when a radiographic inspection service is ordered to multiple permitted users.

**Article 57-3** (Work or service suspension)

The Commission shall inform the owner of the following when it orders the
suspension of a radiographic inspection pursuant to Article 59–2 (3):
1. The place, date and time where the work or service is to be suspended; and
2. Safety equipment that needs be installed or supplemented and the reasons for such.

Article 57–4 (Report of daily work volume)

(1) An owner shall notify the Commission of the following when ordering work or service for over one month pursuant to Article 59–2 (6) of the Act:
1. The total work volume or daily average work volume upon signing the service contract;
2. The number of work hours, place, volume of radiographic inspection performed by the workers (work teams) of the permitted user, and a description of the inspected specimen, and the used radiation source; and
3. The cause or reason for the work volume exceeding the daily average work volume under paragraph 1.
(2) The owner shall report the information under subparagraph 1 online through the Integrated Information Network for Radiation Safety Management within 15 days of the start of service, and the information under subparagraph 2 or 3 within 15 days of the lapse of each month. However, a report in writing shall be allowed when the Commission determines it to be inevitable.

Article 57–5 (Safety equipment)

Article 27 and Article 33 shall apply to the detailed technical standards of the safety equipment under Article 59–2 (8) of the Act.

Article 58 (Non-Destructive Inspection Work Using Radiation)

The technical standards as regards the mobile use of radioisotopes, etc. shall be as follows:
1. Radioisotopes, etc. shall be used in use facilities or radiation control areas.
2. There shall be no likelihood that sealed sources will be opened or destroyed during normal use.
3. The following measures shall be implemented to ensure that the personal dose for radiation workers or personnel with frequent access does not exceed the dose limit:
a. A dedicated workshop shall be installed or radiation shall be shielded by means of shielding walls or shielding materials;

b. A reasonable distance between radioisotopes and humans shall be ensured by using remote-controlled devices, grippers and so forth; and

c. Reduction of the time of exposure of a human to radiation based on detailed work plans, proficiency/training and so forth.

4. Cautions necessary for the prevention of radiation hazards shall be posted in places where they are clearly visible in the use facilities or radiation control areas.

5. People's access to use facilities shall be restricted, and, in the case of access to such facilities by any persons other than radiation workers, such persons shall be required to follow the instructions given them by radiation workers.

6. Signs as specified in the Attached Table 1 shall be attached to the use facilities.

7. Immediately after the use of sealed sources, any abnormality including the loss and/or leakage of radioisotopes thereof shall be checked. In those cases where any abnormality is detected, a survey and other measures necessary for the prevention of radiation hazards shall be implemented.

8. In case of using gamma ray equipment in or outside a facility in which the ceiling shielding does not satisfy the standards prescribed in Article 27 (1) 2, it shall be equipped with a collimator for use;

9. At least one item of radiation measurement apparatus, whose scope of measurement is appropriate for the worksite in question, shall be carried and used as per a gamma ray irradiator when checking for any abnormality.

10. Radiation work shall be performed, without exception, by a group of not less than two persons. Duties shall be assigned to each individual, and the head of such group shall fall under any of the following:

a. A person who has obtained a general license as an operator of a radioisotope handling device or a license as a radiation handling supervisor; and

b. Those who have two or more years' experience of non-destructive inspection work or who have obtained a qualification as a non-destructive inspection technician under the National Technical Qualifications Act;

c. Those who have taken the education listed below and provided by a basic education agency under Article 148 paragraph 2 of the Enforcement Decree of the Nuclear Safety Act:

1) Education for newly recruited personnel: Eight or more hours of
education on non-destructive inspection work procedures, methods of checking, repairing or maintaining non-destructive inspection equipment, the impact of radiation on the human body, and examples of radiation accidents.

2) Regular education: Four or more hours of education (every two years) on methods of handling or safe handling of non-destructive inspection equipment, protection against radiation hazards, and examples of radiation accidents.

11. In order to ensure the normal operation of a radiation irradiator and perform the related work safely, the work shall be performed after determining the appropriate inspection procedures concerning gamma ray irradiator equipment and conducting the inspection according to such procedures.

12. In cases where radiation work is performed at night, each of the following apparatuses, etc. necessary for the performance of such work shall be secured:
   a. Apparatus that allows easy discernment of the boundary of a radiation control area;
   b. Lighting apparatus necessary for the performance of the work; and
   c. Other apparatus necessary for the performance of the work.

13. The following measures shall be taken in order to check the safety of the irradiation devices, etc. before and after radiation work:
   a. Check whether the radioisotopes of a gamma ray irradiator are in normal condition;
   b. Check the operating status of the personal dosimeter, direct reading dosimeter, radiation alarm, etc.
   c. Check the safety status of other safety apparatuses, etc.

14. Sources whose use has been discontinued shall not be stored in a place of temporary use.

15. When radiation work is performed in a spot without a fixed shielding facility, access to the workplace where the external exposure dose exceeds 10 micro Sieverts per hour shall be controlled, and access by the general public to areas where the external exposure dose exceeds 1 micro Sievert per hour shall be monitored.

**Article 58–2 (Team Leader Education)**

(1) Workers who desire to become a team leader pursuant to Article 58 subparagraph 10 item b shall attend new team leader and periodic team leader education courses every two years (referring to the period from January 1 to December 31 of the year in which the day of the second year falls counting from the day of attendance of the new team leader education
course).
(2) The contents of the team leader education course shall be as follows:
   1. New team leader education: Eight or more hours of education concerning the work procedure for radiographic inspection, inspection methods, repair and maintenance procedures for radiographic inspection equipment, the impact of radiation on the human body, and examples of radiation incidents
   2. Periodic team leader education: Four or more hours of education concerning the methods for conducting a radiographic inspection, safety, the prevention of radiation hazards, and examples of radiation incidents

Article 58-3 (Radiation Safety Officer at Workplace)

The following standards shall apply to the roles or duties of the radiation safety officer (hereinafter referred to as “radiation safety officer”) at places where a mobile radioactive isotope etc. is used in a mobile radiographic inspection (hereinafter referred to as “workplace”):
   1. Those who have been permitted to move or use [a radioactive isotope etc.] pursuant to Article 53 paragraph 1 of the Act shall delegate to the workplace radiation safety officer the authority to approve or cancel radiation work at workplaces while carrying out radiation safety management work at the workplaces.
   2. The workplace radiation safety officer shall always check the worksite before radiation work or service without fail and shall provide the radiation work operators with education on the work methods, procedures suitable to the work site, and all matters necessary for the prevention of radiation hazards.
   3. The workplace radiation safety officer shall assign a person to monitor or watch the irradiation devices to prevent their theft or loss during radiation work, work standby or recess hours.

Section 5 Safety Control of Sales

Article 59 (Scope of Application)

As regards the facility standards and handling standards concerning the sale (including production for sale) of radioisotopes, etc. as provided in Subparagraph 3 of Article 59 (1) of the Act, the provisions of Articles 60 through 63 hereof shall apply.
Article 60 (Facility Standards for Sale of Radioisotopes)

Any person who intends to sell radioisotopes shall have storage facilities as provided in Article 20 or Article 28 hereof. Provided, that such person shall be equipped with distribution facilities, conservation facilities, processing facilities and discharge facilities as provided in Article 19 and Articles 21 through 23 hereof in addition to the storage facilities in the case of the sale of unsealed sources based on production thereof or opening/division of the original packaging thereof, and be equipped with distribution facilities and conservation facilities as provided in Articles 27 and 29 hereof in addition to the storage facilities in the case of the sale of sealed sources based on production thereof or opening/division of the original packaging thereof.

Article 61 (Handling Standards for Sale of Radioisotopes)

(1) In the case of the sale of radioisotopes, it shall be checked whether the purchaser has obtained a permit for the use of radioisotopes (including a permit for mobile use thereof) or filed a notification thereof.
(2) In those cases where any equipment containing radioisotopes as determined and publicly notified by the Nuclear Safety and Security Commission is sold and such equipment is conserved at a place other than the sales facilities for installation thereof at the place of an end-user, such equipment shall be conserved at facilities that correspond to the provisions of Article 34 hereof.
(3) In those cases where radioisotopes are to be produced or distributed for sale, the applicable technical standards shall be as follows:
   1. Only those goods of which surface contamination level does not exceed the permissible surface contamination level shall be sold after inspecting such surface contamination level at each stage of packaging;
   2. In connection with the foregoing Subparagraph 1, such surface contamination level shall be measured and the record thereof shall be maintained; and
   3. In the case of distribution of radioisotopes, etc., procedures necessary for such distribution shall be formulated and maintained.
(4) In the case of the sale of radioisotopes or equipment containing radioisotopes, documents evidencing normal operation thereof including the design approval of such radioisotopes or equipment containing radioisotopes shall be provided to the user.
(5) In the case of the sale of radioisotopes or equipment containing radioisotopes, the methods of use, operation, maintenance, control and so forth thereof shall be produced and provided in a manner easily
understandable by the user. Upon the request of the user, education and training shall be provided.

(6) In the case of the sale and installation of any equipment containing radioisotopes as determined and publicly notified by the Nuclear Safety and Security Commission, any possible leakage shall be checked as determined and publicly notified by the Nuclear Safety and Security Commission.

(7) In the case of the detection of any defect with the safety of any radioisotopes or equipment containing radioisotopes that have been sold, it shall be promptly notified to the user and necessary measures taken.

(8) Matters related with the collection/disposal of radioactive wastes generated in connection with the sale of radioisotopes or equipment containing radioisotopes shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 62 (Facility Standards for Sale of Radiation Generating Devices)

Any person who intends to sell radiation generating devices shall be equipped with conservation facilities as provided in Article 34 hereof.

Article 63 (Handling Standards for Sale of Radiation Generating Devices)

(1) In the case of the sale of radiation generating devices, it shall be checked, prior to the sale, whether the purchaser has obtained a permit for the use of radiation generating devices or filed a notification thereof.

(2) Safety rules as recommenced by the producer shall be marked on the surface of radiation generating devices.

(3) In the case of the sale of radiation generating devices, matters related with equipment operation, maintenance and control methods and so forth shall be formulated and provided to the user so that such user can gain an understanding thereof. Upon the request of the user, education and training shall be provided.

(4) In the case of the sale of radiation generating devices, documents evidencing normal operation of such radiation generating devices including the design approval shall be provided to the user.

(5) In the case of the detection of any defect with the safety of any radiation generating devices sold, it shall be promptly notified to the user and necessary measures shall be taken.

Chapter IV Safety Control of Radioactive Wastes
Section 1 Facility Standards for Disposal Facilities, etc.

Article 64 (Scope of Application)

As regards the technical standards for the location, structure and installations of the storage, processing and disposal facilities of radioactive wastes and the accessory facilities thereof (hereinafter referred to as “disposal facilities, etc.”) as provided in Subparagraph 2 of Article 64 and in Subparagraph 1 of Article 68 (1) of the Act, the provisions of Articles 65 through 74 hereof shall apply.

Article 65 (Location of Shallow Disposal Facilities)

(1) The location of shallow disposal facilities of low and intermediate level radioactive wastes shall meet each of the following standards:
1. The facilities shall be at a distance from densely populated areas;
2. The facilities shall be located in an appropriate area, in consideration of the meteorological and hydrological conditions, ground surface and geological situation;
3. The facilities shall be located at a place that is as far from surface water and subsurface water as possible, and where the distribution status thereof is appropriate; and
4. The facilities shall be located at an appropriate place in terms of seismic and ecological characteristics, utilization of water resources and other environmental conditions.

(2) Detailed technical standards as regards the location of shallow disposal facilities of low and intermediate level radioactive wastes as provided in the foregoing Paragraph (1) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 66 (Location of Deep Disposal Facilities)

(1) The standards as regards the location of deep disposal facilities of high–level radioactive wastes shall be as follows:
1. The facilities shall be at a distance from densely populated areas;
2. If the facilities are located on a coastal area, such facilities shall be in a location not seriously affected by sea water;
3. The adjoining area thereof shall be geologically stable for the safety of disposal facilities;
4. The facilities shall be in a deep location where such factors as weather changes do not seriously affect the safety of disposal facilities;
5. The rocks in the geological strata shall be of low osmosis, porosity and
diffusivity to restrain radioactive materials from being jolted:
6. In regard of underground medium, the decay heat, etc. of radioactive materials shall not have a serious impact on the safety of disposal facilities;
7. The facilities shall be at a far distance from surface water and subsurface water; and
8. The facilities shall be at a far distance from the deposits of flammable minerals including petroleum and natural gas.
(2) Detailed technical standards as regards the location of deep disposal facilities of high-level radioactive wastes as provided in the foregoing Paragraph (1) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

**Article 67 (Location of Interim Storage Facilities of Spent Nuclear Fuels)**

(1) The standards as regards the location of interim storage facilities of spent nuclear fuels shall be as follows:
1. The facilities shall be at a distance from densely populated areas;
2. The facilities shall be located in an area with no hazard, based on the results of investigation/assessment of seismic and geological characteristics;
3. The facilities shall be located in an area with no hazard, based on the results of assessment of the potential impact by a man—made event due to industrial, transportation and military facilities;
4. The facilities shall be located in an area with no hazard with respect to the surrounding atmospheric environment, based on the results of investigation/assessment of diffusion and dilution characteristics in the event that radioactive materials are released into the atmosphere from the facilities,
5. The facilities shall be located in an area where natural phenomena including overflowing of the sea, whirlwind, hurricanes, floods, heavy snow or heavy rain cannot cause severe accidents, based on the results of investigation/assessment thereof;
6. The facilities shall be located in an area not affected by overflow of a river arising from the destruction of a reservoir or dam, rain water and so forth; and
7. The facilities shall be located in an area with no hazard with respect to the surrounding marine environment, based on the results of investigation/assessment of hydrological characteristics of surface water and subsurface water.
(2) Detailed technical standards as regards the location of spent nuclear fuel interim storage facilities as provided in the foregoing Paragraph (1) shall be determined and publicly notified by the Nuclear Safety and...
Security Commission.

**Article 68 (Ventilation Equipment)**

At disposal facilities, etc. at which radiation hazards from the air contaminated by radioactive materials need to be prevented, ventilation equipment meeting each of the following technical standards shall be installed:
1. The ventilation equipment shall have necessary ventilation capability to prevent any radiation hazard;
2. The ventilation equipment shall have a structure wherein air contaminated by radioactive materials is not leaked and that prevents any fear of backflow thereof;
3. In those cases where equipment to purify discharged air has been installed, such equipment shall have a structure that facilitates replacement of equipment purifying and filtrating the air contaminated by radioactive materials; and
4. An air inlet shall be installed, with the intake of air contaminated by radioactive materials prevented.

**Article 68-2 (Fire Protection Equipment)**

(1) The following comprehensive defense measures shall be applied when installing fire protection equipment at waste disposal or other similar facilities in order to reduce the possibility of fire or explosion and to prevent any major impediment to the plant’s capacity to prevent the diffusion or leakage of radioactive substances:
1. Inflammable, fire- or thermal-resistant materials shall be used to the greatest possible extent to prevent the outbreak of fires.
2. Firefighting equipment shall be installed to detect fires early on and to extinguish them promptly.
3. Sufficient fire protection capabilities shall be secured for structures, systems or appliances that perform essential functions for cases where fire is not speedily suppressed or where there is damage to or a failure or malfunction of firefighting equipment.

(2) Fire hazard analysis shall be performed by considering the following factors at the early design stage in order to ensure that the in-depth defense concepts specified under paragraph 1 are applied to firefighting equipment at waste disposal or similar facilities:
1. Division of fire protection zones
2. Firefighting equipment
3. Types or sizes of flammable material (maximum storage capacity of a
facility in the case of radioactive waste)
4. Assessment of fire hazard
5. Category of design-criteria fire
6. Capacity for preventing the diffusion or leak of radioactive substances

(3) The Nuclear Safety and Security Commission shall determine and publish specific technical standards for the analysis of fire hazards at waste disposal or other similar facilities pursuant to paragraph 2.

Article 69 (Prevention of Contamination by Radioactive Materials)

As regards the surface of walls, floors and other parts feared to be contaminated by radioactive materials in buildings, etc. frequently accessed by people in the disposal facilities, etc. that might come in contact with people, it shall be ensured that the possibility of contamination thereon by radioactive materials is eliminated.

Article 70 (Waste Storage Facilities)

(1) Technical standards as regards the storage facilities of radioactive wastes shall be as follows:
1. Such facilities shall have sufficient capacity to store radioactive wastes generated in the course of operation;
2. Such facilities shall resist the decay heat and the heat generated by irradiation and maintain the state of normal operation even in those cases where they are corroded by chemicals, etc.; and
3. Spread of contamination by radioactive wastes shall be prevented.
(2) At facilities where equipment storing liquid radioactive wastes is installed, a dike shall be installed to prevent such liquid radioactive wastes from being leaked to the outside of such facilities as a result of breakdown, damage, etc. of such equipment.

Article 71 (Structure and Installation of Shallow Disposal Facilities)

(1) Technical standards as regards the structure and installations of shallow disposal facilities for low and intermediate level radioactive wastes shall be as follows:
1. The facilities shall be designed and constructed to control movement of radioactive materials to the utmost possible extent in consideration of the geological characteristics and soil ion exchangeability of the surroundings, ensuring that the functions thereof will be maintained until closure thereof;
2. There shall be no possibility that water may stagnate near the place of
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3. The place of disposal shall be thickly covered in order to prevent overflowing by surrounding surface water;
4. Radioactive material monitoring equipment shall be installed near the place of disposal; and
5. It shall be assured that radioactive materials shall not be leaked from disposal facilities in the event of such accident as a fire or earthquake.

(2) Detailed technical standards as regards the structure and installations of shallow disposal facilities of low and intermediate level radioactive wastes as provided in the foregoing Paragraph (1) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 72 (Structure and Installation of Deep Disposal Facilities)

(1) Technical standards as regards the structure and installations of deep disposal facilities of high–level radioactive wastes shall be as follows:
1. Decay heat and pressure generated by disposed radioactive wastes shall be fully controlled; and
2. There shall be no possibility that disposed radioactive wastes will achieve criticality.
(2) Detailed technical standards as regards the structure and installations of deep disposal facilities of high–level radioactive wastes as provided in the foregoing Paragraph (1) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 73 (Structure and Installation of Spent Nuclear Fuel Interim Storage Facilities)

(1) Technical standards as regards the structure and installation of spent nuclear fuel interim storage facilities shall be as follows:
1. These facilities shall maintain radiation shielding capability sufficient for safe handling and storage of spent nuclear fuels;
2. Criticality of spent nuclear fuels shall be efficiently prevented;
3. Sufficient cooling capability shall be maintained in order to prevent spent nuclear fuels from melting for such reasons as decay heat;
4. No radiation hazard shall be sustained by the public due to damages caused by such natural phenomena as overflowing of the sea, whirlwinds, hurricanes, floods, heavy snow, heavy rain or earthquakes;
5. Impact of such incidents as a fire or explosion shall be fully coped with; and
6. Contamination of the surrounding environment and the public by radioactive materials or exposure thereof to radiation due to leakage of radioactive materials caused by a radiological accident shall be prevented.
(2) Detailed technical standards as regards the structure and installations of spent nuclear fuel interim storage facilities as provided in the foregoing Paragraph (1) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 74 (Waste Processing Installations)

(1) Technical standards as regards the processing installations of radioactive wastes shall be as follows:
1. The installations shall be capable of processing radioactive wastes generated from disposal facilities in order to maintain the concentration of radioactive materials in the air and water on the boundary of an exclusion area at no higher than the limit under the discharge control standards.
2. The installations shall be set up, separately from the facilities processing wastes other than radioactive wastes. Provided, that this shall not apply in the case of connection to the installations processing liquid wastes other than radioactive wastes, to the extent that there exists no fear of backflow through such connected facilities.
3. The installations shall have a structure preventing leakage of radioactive wastes and have no fear of serious corrosion by chemicals, etc.
4. The provisions of Article 70 (1) 3 hereof shall apply mutatis mutandis to gaseous radioactive waste processing installations, and gaseous radioactive wastes shall not be discharged at a place other than the exit of a ventilation duct.
5. Facilities where liquid radioactive waste processing installations are set up shall meet each of the following standards:
   a. The interior of such facilities shall have a structure that makes liquid radioactive wastes flow into the drainage passage by the gradient of the floor or a drain built thereon, and a dike for the prevention of the spread of any leakage of liquid radioactive wastes shall be installed therein;
   b. A dike to prevent any leakage of liquid radioactive wastes to the outside of the facilities shall be installed at the entrance/exit that leads to the outside of the facilities or the surrounding area thereof. Provided, that this shall not apply in cases where there exists no fear of such leakage to the outside of the facilities as the floor inside the facilities is lower than the level of the floor or land surface adjacent thereto; and
   c. Liquid radioactive wastes shall not be discharged at a place other than the exit of a drainage basin.
6. The facilities where solid radioactive waste processing installations are set up shall be capable of solidifying or stabilizing such radioactive wastes in a form appropriate for disposal thereof or loading such radioactive wastes in a
container of which disposal safety has been proven, as determined and
publicly notified by the Nuclear Safety and Security Commission.

(2) Detailed technical standards as regards the structure and installation of
radioactive waste processing installations as provided in the foregoing
Paragraph (1) shall be determined and publicly notified by the Nuclear Safety
and Security Commission.

Section 2 Performance Standards for Disposal Facilities, etc.

Article 75 (Scope of Application)

As regards technical standards for the performance of storage, processing
and disposal facilities of radioactive wastes and accessory facilities thereof
(hereinafter referred to as “disposal facilities, etc.”) as provided in
Subparagraph 2 of Article 64 and Subparagraph 1 of Article 68 (1) of the
Act, the provisions of Articles 76 through 83 hereof shall apply.

Article 76 (Structures, Systems and Equipment)

The structures, systems and equipment of the disposal facilities, etc. of
radioactive wastes shall be able to maintain normal operation thereof as
determined and publicly notified by the Nuclear Safety and Security
Commission.

Article 77 (Exhaust and Ventilation)

As regards the performance of exhaust and ventilation systems, the safety
of radiation workers and the public shall be ensured in normal times as
well as in the event of an emergency.

Article 78 (Operation of Fire Protection Systems)

(1) To protect waste disposal facilities against fire, a fire protection operation
procedure including the following shall be prepared:
1. Detailed advance firefighting plans for fire out break areas for operation and
firefighting activities
2. Emergency response procedures including a cooperation system with external
firefighters in the event of a fire
3. Procedure for testing, inspecting, repairing or maintaining fire protection
systems including firefighting equipment pursuant to the applied technical
standards
(2) When the outcome of a fire hazard analysis under Article 68–2 paragraph 2 may be affected by changes in the design or operational method of waste disposal or similar facilities, such changes shall be reflected in the fire hazard analysis.

(3) The adequacy of the fire hazard analysis shall be assessed on the base date that falls every 10 years to the day from the day on which the construction or operation of a waste disposal or similar facility is authorized.

Article 79 (Monitoring and Control)

The safety systems and equipment of disposal facilities, etc. shall be able to perform constant monitoring and control in the event of an accident.

Article 80 (Emergency Electrical Power Source Devices)

Emergency electrical power source devices shall be able to be operated to ensure maintenance of the performance of the safety systems and equipment of disposal facilities, etc. in the event of a power cutoff from the outside of a power plant.

Article 81 (Drainage)

Drainage facilities shall suppress inflow of surface water or subsurface water to the utmost possible extent, and shall ensure that disposal facilities, etc. will not be affected by natural disasters including a flood or overflow of a river.

Article 82 (Radiation Control)

It shall be ensured that the radiation dose rate at a place accessed by people and other places requiring special radiation control and the concentration of radioactive materials in the air therein can be maintained at not higher than the limit determined and publicly notified by the Nuclear Safety and Security Commission.

Article 83 (Radioactive Material Handling and Processing Capacity)

Storage, processing and disposal capacity of radioactive wastes shall be no less than the capacity stated in the documents attached to an application for a permit including the safety analysis report as provided in Article 63 of the Act.

Section 3 Disposal of Radioactive Wastes

Article 84 (Scope of Application)
Articles 85 through 88 shall, with necessary modifications, apply to the technical standards for the management of radioactive wastes after the closure of their disposal facilities under Article 64 Item 5 and Article 68 (1) 2 of the Act and the technical standards for the storage, processing and disposal of radioactive wastes.

Article 85 (Storage, processing, and disposal at near-surface disposal facilities and management after closure)
(1) The following are the technical standards for the storage, processing and disposal of low and medium level radioactive wastes at near-surface disposal facilities:
1. Radioactive wastes shall be packed in a suitable container or transformed into solids in order to prevent radiation damage.
2. The density and quantity of radioactive wastes shall not exceed the limit provided under the specific technical standards determined and announced by the Commission depending on the types of radioactive materials.
3. Radioactivity labels under Attached Table 1 shall be clearly attached on the surface of radioactive wastes along with a control number so that they may be crosschecked against their records.
4. Radioactivity markings under Attached Table 1 shall be installed on the boundary by indicated locations and boundaries and designating protected zones.
5. The radiation exposure rate of radiation workers and frequent visitors shall be controlled so as not to exceed the dosage limit.
6. When a facility is closed, the necessary safety actions shall be taken.
(2) The following shall be the technical standards for the management of a near-surface disposal facility of low or medium level radioactive wastes after its closure.
1. The management methods after closure shall include the following:
   a. Radiation environment survey of the site;
   b. Monitoring of site characteristics and repair and maintenance of surface structures;
   c. Restriction of public access to the site;
   d. Maintenance and archival of records concerning disposal; and
   e. Other necessary information for management after closure depending on characteristics of the relevant disposal facility.
2. Disposal safety shall be secured without management efforts after the lapse of the management period following closure.
(3) The Commission shall determine and announce the specific technical standards for the storage, processing and disposal of low and medium level radioactive wastes at their near-surface disposal facilities, as provided under
Regulations on Technical Standards for Radiation Safety Control, Etc.

paragraph 1, and the specific technical standards for after-closure management of the near-surface disposal facilities for low and medium level radioactive wastes, as provided under paragraph 2.

Article 86 (Storage, Processing or Disposal at Deep Disposal Facilities)

(1) Technical standards as regards storage, processing or disposal of high-level radioactive wastes and spent nuclear fuels at the place of deep disposal thereof shall be as follows:
1. A preservation area shall be set up around the place of disposal, and review of establishment of an exclusion area shall be implemented without fail;
2. As regards radioactive wastes, radioactivity signs as specified in the attached Table 1 shall be attached on an easily noticeable location on the surface thereof, and a serial number shall be posted thereon for reconciliation with the records on radioactive wastes; and
3. The personal dose on radiation workers and persons with frequent access shall not exceed the dose limit.
(2) Detailed technical standards as regards the storage, processing or disposal at deep disposal facilities of high-level radioactive wastes and spent nuclear fuels as provided in the foregoing Paragraph (1) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 87 (Storage and Processing in Disposal Facilities)

Technical standards as regards storage and processing of radioactive wastes generated at the time of operation of disposal facilities, etc. shall be as follows:
1. Processing and storage shall be performed under the supervision of a person who has knowledge and experience as regards protection against radiation hazards, and those engaging in processing and storage shall be required to wear necessary protective gear including working garments and gloves.
2. In the case of access to disposal facilities by any person other than those engaging in processing and storage, such person shall be required to follow instructions from the supervisor.
3. Gaseous radioactive wastes shall be discharged by using ventilation equipment after reducing the concentration of radioactive materials in ventilated air by such means as filtration, radioactivity decrease with lapse of time or dilution with a large amount of air. In such case, the concentration of radioactive materials in the air on the boundary of an exclusion area shall not exceed the limit under the discharge control
standards based on monitoring of the concentration of radioactive materials in ventilated air at the ventilation outlet.

4 Liquid radioactive wastes shall be discharged/stored in such method as provided in any of the following:
   a. Discharge by means of drainage equipment;
   b. Storage at a storage reservoir that generates an effect of radiation hazard prevention.
   c. Storage at storage facilities that generate an effect of radiation hazard prevention by placing such wastes in a container and subsequently solidifying them; and
   d. Incineration at incineration facilities as determined and publicly notified by the Nuclear Safety and Security Commission for prevention of radiation hazards.

5. In the case of discharge as provided in the foregoing Subparagraph 4 (a), the concentration of radioactive materials in drainage shall be reduced by such means as filtration, evaporation, absorption with ion exchange resin, etc., radioactivity decrease with lapse of time or dilution with a large amount of water at the drainage facilities. In such case, the concentration of radioactive materials in the water on the boundary of an exclusion area shall not exceed the limit under the discharge control standards as determined and publicly notified by the Nuclear Safety and Security Commission, based on monitoring of the concentration of radioactive materials in drainage at the drainage passage.

6. In those cases where radioactive wastes are stored in such manner as provided in the foregoing Subparagraph 4 (b), if it is feared that the decay heat, etc. of such stored radioactive wastes may result in significant overheating, measures necessary for cooling shall be taken.

7. In the case of storage in a container as provided in the foregoing Subparagraph 4 (c), such container containing radioactive wastes shall meet each of the following standards:
   a. It shall have a structure that prevents permeation of water, resists corrosion and does not allow leakage of radioactive wastes;
   b. There shall be no likelihood that the container may be cracked or damaged; and
   c. The cover of the container shall not open easily.

8. In the case of storage through solidification among the methods as set forth in the foregoing Subparagraph 4 (c), diffusion or leakage of solidified radioactive wastes shall be prevented.

9. In the case of storage of radioactive wastes at storage facilities that generate an effect of radiation hazard prevention among the methods as provided in the foregoing Subparagraph 4 (c), each of the following standards shall be met:
a. In cases where radioactive wastes are stored in a container and it is feared that such container may be cracked or damaged, spread of potential contamination shall be prevented by packaging such container with materials that can absorb all the radioactive wastes or installing an adequate undertray in regard of such container;
b. If it is feared that the decay heat, etc. of stored radioactive wastes may result in significant overheating, measures necessary for cooling shall be undertaken;
c. Signs as specified in the attached Table 1 that show the existence of radioactive wastes shall be attached to a container containing radioactive wastes or solidified radioactive wastes, and a serial number shall be posted in accordance with the detailed technical standards determined and publicly notified by the Nuclear Safety and Security Commission for reconciliation thereof with the details of the relevant radioactive wastes recorded as provided in Article 67 of the Act; and
d. Cautions regarding management shall be posted at easily noticeable places in storage facilities.

10. Solid radioactive wastes shall be disposed in such method as provided in any of the following:
a. Incineration at incineration facilities as determined and publicly notified by the Nuclear Safety and Security Commission for the prevention of any radiation hazards;
b. Storage at storage facilities, that generate an effect of radiation hazard prevention, by placing such wastes in a container or solidifying them; and
c. Radioactive wastes such as large-sized machinery, etc. that are difficult to be stored in such method as provided in the foregoing Item (b) or radioactive wastes that require radiation attenuation with lapse of time shall be stored at storage facilities that generate an effect of radiation hazard prevention.

11. In those cases where radioactive wastes are stored in a container as provided in the foregoing Subparagraph 10 (b), the examples set forth in the foregoing Subparagraph 7 and Subparagraph 9 (excluding Item (a) thereof) shall apply.

12. In cases where radioactive wastes are solidified and stored as provided in the foregoing Subparagraph 10 (b), the examples set forth in the foregoing Subparagraph 8 and Subparagraph 9 (excluding Item (a) thereof) shall apply.

13. In cases where radioactive wastes are stored as provided in the foregoing Subparagraph 10 (c), the examples set forth in the foregoing Subparagraph 9 (b) and 9 (d) shall apply.

Article 88 (Quality Assurance)

(1) The provisions of Articles 68 through 85 of the Regulations on
Technical Standards for Nuclear Reactor Facilities, etc. shall apply mutatis mutandis as regards quality assurance in respect to the design, construction and operation of disposal facilities, etc. (2) Detailed standards as regards quality assurance as provided in the foregoing Paragraph (1) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Chapter V Safety Control of Packaging and Transport of Radioactive Material, etc.

Section 1 Technical Standards for Packages and Transport Containers

Article 89 (Scope of Application)

As regards the technical standards for packages and transport containers for the transport of radioactive materials and materials contaminated thereby (hereinafter referred to as “radioactive materials, etc.”) as provided in Article 72 of the Act, Articles 90 through 93 hereof shall apply.

Article 90 (Types of Packages)

The radioactive materials, etc. and packaging thereof (hereinafter referred to as “packages”) presented for transport shall be classified as follows according to the types of radioactive materials, etc. and the maximum quantity thereof:
1. Type L package;
2. Type IP package (Type IP package shall be classified into Type IP-1 package, Type IP-2 package or Type IP-3 package.);
3. Type A package;
4. Type B package (Type B package shall be classified into Type B(U) package or Type B(M) package.);
5. Type C package; and
6. Fissile material package.

Article 91 (Quantity Limits of Radioactive Materials by Packages)
(1) Radioactive materials, etc. of Type L packages and the maximum quantity thereof shall be as follows:
1. For Articles manufactured of natural uranium, depleted uranium or natural
thorium, Type L package may contain any quantity of such material provided that the outer surface or the uranium or thorium is an inactive sheath made of metal or some other substantial material.

2. For radioactive material other than Articles manufactured of natural uranium, depleted uranium or natural thorium, Type L package shall not contain activities greater than the following:
   a. Where the radioactive material is enclosed in or is included as a component part of an instrument or other manufactured Article, such as a clock or electronic apparatus, the limits specified in columns 2 and 3 of Table 3 for each individual item and each package, respectively; and
   b. Where the radioactive material is not so enclosed in or is not included as a component of an instrument or other manufactured Article, the package limits specified in column 4 of Table 3.

3. For fissile materials, Type L package shall not contain activities greater than the exemption quantity of fissile materials or the ratio thereof as determined and publicly notified by the Nuclear Safety and Security Commission.

(2) Radioactive materials, etc. of Type IP packages and the maximum quantity thereof shall be as follows:

1. The quantity of LSA material in a single Industrial package Type 1 (Type IP-1), Industrial package Type 2 (Type IP-2), Industrial package Type 3 (Type IP-3), or object or collection of objects, whichever is appropriate, shall be restricted such that the external radiation level at 3m from the unshielded material or object or collection of objects does not exceed 10mSv/h.

2. The quantity of SCO in a single Industrial package Type 1 (Type IP-1), Industrial package Type 2 (Type IP-2), Industrial package Type 3 (Type IP-3), or object or collection of objects, whichever is appropriate, shall be restricted such that the external radiation level at 3m from the unshielded material or object or collection of objects does not exceed 10mSv/h.

3. A single package of non-combustible solid LSA-II or LSA-III material, if carried by air, shall not contain an activity greater than 3000 value A for those other than special form radioactivity materials ("A₂" hereinafter).

4. The quantity of radioactive materials in a package shall not exceed the radioactivity limits as regards the designated means of transport provided in the attached Table 4.

(3) Radioactive materials, etc. of Type A packages and the maximum quantity thereof shall be as follows:

1. For single radionuclides whose identity and activity are known:
   a. Special form radioactive materials: value A for special form radioactivity materials ("A₁" hereinafter).
b. All other radioactive materials: A₂
2. For mixtures of radionuclides whose identities and respective activities are known, the aggregate of the ratios to A₁ and A₂ by nuclide shall not exceed 1.

(4) Radioactive materials, etc. of Type B packages and the maximum quantity thereof shall be as follows:
1. Activities authorized for the package design.
2. Type B(U) and Type B(M) package, if transported by air, shall meet the requirement of Subparagraph 1 and shall not contain activities greater than the following:
   a. For low dispersible radioactive material – as authorized for the package design as specified in the certificate of approval
   b. For special form radioactive material – 3000A₁ or 100000A₂, whichever is the lower; or
   c. For all other radioactive material – 3000A₂

(5) Radioactive materials, etc. of Type C packages and the maximum quantity thereof, which exceed the radioactive materials, etc. and the maximum quantity as set out in Subparagraphs 2 (b) and 2 (c) of the foregoing Paragraph 4, shall not exceed the limits set forth in a relevant design approval in those cases where the packages are transported by air.

(6) The quantity limit of a fissile material package, which is a package containing fissile materials, shall be as follows:
1. In the case of a fissile material package which does not contain uranium hexafluoride (UF₆), the limit provided in a design approval shall not be exceeded.
2. The quantity limit of radioactive materials for a fissile material package containing uranium hexafluoride shall meet each of the following standards:
   a. The limit specified in the foregoing Subparagraph 1 shall not be exceeded;
   b. Uranium hexafluoride in a package shall not reach a point of saturation in consideration of the highest temperature of the surroundings of the place of use; and
   c. Uranium hexafluoride shall be maintained in a solid state, and internal pressure shall be maintained at lower than the surrounding pressure.

(7) The A₁ and A₂ values in the foregoing Paragraphs 1 through 6, which are the maximum radioactivity permitted for Type A packages, shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 92 (Types of Transport Containers)

(1) Transport containers shall be classified according to the types of packages
to be transported as provided in the foregoing Article 90:
1. Type L transport container;
2. Type IP transport container (classified into Type IP–1 transport container, Type IP–2 transport container and Type IP–3 transport container);
3. Type A transport container;
4. Type B transport container (classified into Type B(U) transport container and Type B(M) transport container);
5. Type C transport container; and
6. Fissile material transport container.
(2) Technical standards for each transport container as provided in the foregoing Paragraph (1) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 93 (Classification of Low Specific Activity Materials and Surface Contaminated Objects)

(1) Low specific activity (LSA) materials shall be classified into LSA–I, LSA–II and LSA–III.
(2) Surface contaminated objects (SCO) shall be classified into SCO–I and SCO–II.
(3) Standards for classification of low specific activity materials and surface contaminated objects as provided in the foregoing Paragraphs (1) and (2) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 94 (Special Approval Arrangement)

(1) In those cases where it is extremely difficult to perform transport as provided in Articles 90 through 93 hereof, the Nuclear Safety and Security Commission may approve special transport notwithstanding the provisions of Articles 90 through 93 hereof to the extent that necessary measures for safety have been taken and it is acknowledged, in his reasonable discretion, that safety shall not be compromised.
(2) In the case of the foregoing Paragraph (1), the Nuclear Safety and Security Commission may order the execution of necessary measures to ensure safety.

Section 2 Technical Standards for Packaging and Transport

Article 95 (Scope of Application)
As regards technical standards for the packaging and transport of radioactive materials, etc. as provided in Article 72 of the Act, the provisions of Articles 96 through 119 hereof shall apply.

Article 96 (Packaging)

(1) A package shall meet each of the following standards prior to the first shipment thereof:
1. It shall be ensured that the containment system of each package conforms to the approved design requirements relating to the capability of that system to maintain its integrity under the pressure concerned.
2. For each Type B(U), Type B(M) and Type C package and for each package containing fissile material, it shall be ensured that the effectiveness of its shielding and containment and, where necessary, the heat transfer characteristics are all within the limits applicable to or specified for the approved design.
3. For packages containing fissile material, and of which neutron poisons are specifically included as components, checks shall be performed to confirm the presence and distribution of such neutron poisons.

(2) A package shall meet each of the following standards prior to each shipment thereof:
1. Any lifting attachment which fails to satisfy the standards determined and publicly notified by the Nuclear Safety and Security Commission shall be removed or otherwise rendered incapable of being used for lifting the package.
2. In the case of Type B(U) packages, Type B(M) packages and Type C packages, each of the following standards shall be met:
   a. All standards specified in the relevant design approval certificate shall be satisfied;
   b. Temperature and pressure shall be maintained in equilibrium; and
   c. An inspection or test shall be conducted to determine whether all closures, valves and openings of the containment system, from which there is a possibility of escape or leakage of radioactive materials, are properly closed to prevent the escape of radioactive materials.
3. In the case of packages of fissile materials and special forms of radioactive materials, the standards specified in the relevant design approval certificate shall be met.
4. In the case of a fissile material package irradiated by neutrons, a test to check the contents by isotope regarding radioactive materials and to verify the proper closure of such package shall be performed.
5. If the radioactive materials in a package are low dispersible radioactive materials, the standards specified in the relevant design approval certificate shall be met.

**Article 97** (Articles other than Radioactive Materials)

Technical standards as regards the packaging/transport of Articles other than radioactive materials shall be as follows:

1. A package shall not be packaged or transported together with those other than Articles necessary for the use of the relevant radioactive materials, etc. Provided, that this shall not apply in cases where there exists no likelihood that the safety of the relevant package may be hampered due to interaction therewith; and

2. Any tank and freight container used for transport of radioactive materials, etc. shall not be used for the storage or transport of other Articles, unless they are decontaminated to the level where the average of removable contamination measured on the internal/external surface thereof of not less than 300cm² is not higher than 0.4 becquerel per cm² in the case of beta/gamma emitters or low toxicity alpha emitters, and not higher than 0.04 becquerel per cm² in the case of all the other alpha emitters.

**Article 98** (Limitations, etc. on Mixed Loading with Dangerous Materials)

(1) A package shall not be loaded mixed with objects or materials set forth in any of the following:

1. Gunpowder;
2. High-pressure gas;
3. Gasoline, alcohol, carbon disulfide and other flammable materials, of which the flash point is no higher than 50°C;
4. Hydrochloric acid, sulfuric acid, nitric acid and other strong acids, of which acid content exceeds 10 percent of volume; and
5. Objects or materials other than those as set forth in the foregoing Subparagraphs 1 through 4, that are feared to cause a hazard to safe transport of a package.

(2) Risks associated with radioactive materials in a package including explosiveness, flammability, spontaneous combustibility, chemical toxicity or corrosiveness shall be considered, in addition to radioactivity or fissionability.

**Article 99** (Radiation Dose Rate)

The maximum radiation dose rate of a package or overpack shall not exceed the limits set forth in each of the following:

1. 2 millisieverts per hour at the external surface. Provided, that 10
millisieverts per hour shall apply in the case of exclusive transport; and
2. 0.1 millisievert per hour at a place one meter away from the external
surface. Provided, that exceptions shall be made in the case of exclusive
transport.

Article 100 (Surface Contamination Level)

In regard of the removable surface contamination level on the external
surface of a package and the internal/external surface of an overpack, freight
container and tank, the average value measured at any surface area of not
less than 300cm² shall not exceed 4 becquerels per cm² in the case of
beta/gamma emitters and low toxicity alpha emitters and 0.4 becquerel per
cm² in the case of all the other alpha emitters.

Article 101 (Contamination and Leakage Control)

(1) In those cases where a package is damaged or leaking, or feared to be
damaged or leaking, access to such package shall be limited, and the
contamination level and radiation dose rate of such package shall be
assessed as rapidly as possible. In such case, the assessment shall include
any and all matters related with transport including the package, means of
transport and adjacent loading/unloading zones.
(2) In cases where a package is damaged or leaking, measures shall be
taken in order to protect the safety of people, property and environment.
(3) Any package of which radioactive materials are damaged or leaking shall
be transported after repair and decontamination based on relocation thereof
to a reasonable place.
(4) As regards the conveyance and equipment of transport usually used for
the transport of radioactive materials, etc., the status of contamination
thereof shall be checked on a regular basis.
(5) Any conveyance and equipment of transport and related appurtenance
thereof, which have been contaminated in excess of the limit as provided in
Article 100 hereof during the transport process of radioactive materials, etc.
or has a radiation dose rate on the surface that exceeds 5 microsieverts per
hour, shall be decontaminated as swiftly as possible.
(6) Any conveyance and equipment of transport and related appurtenance
thereof, of which removable surface contamination level exceeds the limits
as provided in Article 100 hereof or of which the radiation dose rate
exceeds 5 microsieverts per hour due to fixed contamination on the surface
after decontamination thereof, shall not be reused.
(7) In the case of exclusive transport of radioactive materials, etc., the
provisions of the foregoing Paragraph (5) and Article 100 hereof shall not
apply as regards the internal surface of overpacks, freight containers, tanks
and the conveyance of transport.

**Article 102** (Transport Index and Criticality Safety Index)

(1) The transport index and criticality safety index of packages and overpacks shall be as follows. Provided, that exclusive transport is excepted:
1. The transport index shall not exceed 10; and
2. The criticality safety index shall not exceed 50.
(2) The calculation method of the transport index and criticality safety index as provided in the foregoing Paragraph (1) shall be determined and publicly notified by the Nuclear Safety and Security Commission.

**Article 103** (Prevention of Nuclear Criticality)

In the case of a fissile material package, necessary measures shall be taken to prevent the reaching of nuclear criticality in the packaging, loading or transport process.

**Article 104** (Category of Packages)

Packages and overpacks shall be classified into Category I – white, Category II – yellow and Category III – yellow according to the conditions set out in the attached Table 5 and each of the following standards:
1. Classification category of packages or overpacks shall be determined in consideration of the transport index and surface radiation dose rate; and
2. If either the transport index or surface radiation dose rate falls into a higher category, the relevant packages or overpacks shall be classified as such higher category.

**Article 105** (Marking)

(1) Technical standards as regards the marking of packages shall be as follows:
1. Easily legible and durable marks of the consignor or consignee or both shall be on the outside of the packaging; and
2. In the event of transport of radioactive materials, UN numbers and relevant shipping names shall be displayed on the outside of the transport container in an easily legible and durable manner as specified in the attached Table 6.
(2) In the event the total weight of a package exceeds 50 kilograms, the total weight thereof shall be displayed on the outside of the transport container in an easily legible and durable manner.
**Article 106** (Labels)

(1) Technical standards as regards the labels of packages, overpacks and freight containers shall be as follows:

1. A relevant label as provided in each of the following shall be attached to packages classified in accordance with Article 104 hereof:
   a. Category I – white transport label as specified in Figure 2 of the attached Table 2 for Category I – white packages;
   b. Category II – yellow transport label as specified in Figure 3 of the attached Table 2 for Category II – yellow packages; and
   c. Category III – yellow transport label as specified in Figure 4 of the attached Table 2 for Category III – yellow packages.

2. Labels not related to radioactive materials shall be removed or covered.

(2) A criticality safety transport label in Figure 5 of the attached Table 2 shall be attached to any package, overpack and freight container containing fissile materials.

(3) Labels as provided in the foregoing Paragraphs (1) and (2) shall be attached in the manner as specified in each of the following:

1. Labels provided in Subparagraph 1 of the foregoing Paragraph (1) shall be affixed to two opposite sides of the outside of a package or overpack, and on the outside of all four sides of a freight container or tank;

2. A criticality safety transport label as provided in the foregoing Paragraph (2) shall be attached near the labels that have been affixed in such manner as provided in the foregoing Subparagraph 1; and

3. These labels shall not overlap the marks provided in Article 105 hereof.

(4) Transport placards for vehicles shall be attached to a freight container and tank as provided in each of the following. Provided, that this shall not apply to Type L packages:

1. Four transport placards for vehicles specified in Figure 6 of the attached Table 2 shall be respectively affixed to each side walls and end walls of a freight container or tank in a vertical orientation. Provided, that this shall not apply in cases where the transport labels as provided in the foregoing Paragraphs (1) and (2) are affixed after being enlarged to the minimum size of Figure 6 of the attached Table 2 or larger; and

2. Any placards not related to radioactive materials shall be removed or covered.

(5) In the case of mixed loading with such dangerous materials as provided in the foregoing Article 98, a label indicating the danger of such materials shall be affixed.

**Article 107** (Isolation of Packages)

(1) Any package, overpack and freight container containing radioactive
materials, etc. shall be isolated from the residence of ordinary people or dangerous materials as provided in Article 98 hereof during transport thereof.

(2) Category II – yellow packages or Category III – yellow packages shall not be carried into an area frequently accessed by the general public.

**Article 108 (Loading Limit)**

(1) Any package or overpack, of which the average heat extraction rate from the surface exceeds 15 watts per m², shall not be transported with other freight.

(2) A package, overpack and freight container shall be loaded in accordance with each of the following:

1. As regards the quantity of a package, overpack or freight container that can be loaded in a single conveyance of transport, the total transport index thereof shall not exceed the transport index limits provided in the attached Table 7. Provided, that this shall not apply to a package of LSA-I or a package transported exclusively.

2. As regards transport, the radiation dose rate shall not exceed each of the following standards:
   a. 2 millisieverts per hour on the external surface of any conveyance of transport;
   b. 0.1 millisievert per hour at a spot two meters from the external surface of the conveyance of transport; and
   c. 0.02 millisievert per hour at the location where a person goes aboard.

3. The total criticality safety index of the conveyance of transport and freight containers shall not exceed the criticality safety index limits defined in the attached Table 8.

(3) Any package or overpack, of which transport index exceeds 10 or criticality safety index exceeds 50, shall be transported exclusively.

**Article 109 (Isolation of Fissile Material Packages)**

(1) As regards the quantity of packages, overpacks or freight containers containing fissile materials that are stored in a storage compartment during transport thereof, the total criticality safety index of an assembly of the relevant packages, overpacks or freight containers shall not exceed 50. In such case, an assembly of the packages, overpacks or freight containers containing fissile materials shall be maintained at least six meters away from an assembly of the other packages, overpacks or freight containers containing fissile materials.

(2) In cases where the total criticality safety index defined in the attached Table 8 exceeds 50, the relevant packages, overpacks or freight containers shall be stored at least six meters away from an assembly of the other
packages, overpacks or freight containers containing fissile materials or the conveyance of transport carrying radioactive materials.

Article 110 (Customs Clearance Procedures)

Customs clearance procedures including inspection of radioactive materials of a package shall be performed at a place equipped with appropriate means to control radiation exposure and in the presence of a transporter in charge. Packages opened in the customs clearance process shall be restored to their original state prior to the delivery thereof to the consignee.

Article 111 (Undeliverable Packages)

In those cases where a transporter in charge cannot deliver a package, he shall store such package in a safe place, promptly file a report thereof to the Nuclear Safety and Security Commission and receive instructions in regard to the handling thereof.

Article 112 (Transport Vehicles)

Technical standards as regards a vehicle used for transport of radioactive materials, etc. shall be as follows:
1. Such vehicle shall be appropriate for the transport of packages;
2. As regards small-sized packages that are difficult to be fastened to the vehicle tightly, the vehicle shall be equipped with a transport case to prevent such packages from moving, being inverted and falling during transport. In such case, the transport case shall remain fastened tightly to the vehicle; and
3. Such vehicle shall be equipped with necessary equipment including a spare tire or fire extinguisher to be prepared for any possible breakdown or fire thereof and so forth.

Article 113 (Transporter in Charge, etc.)

In those cases where Type B(U)/Type B(M)/Type C packages, fissile material packages or large-sized machinery and equipment contaminated by radioactive materials that are inappropriate for packaging in a transport container are to be transported, technical standards to prevent any radiation hazard arising from an accident during such transport shall be as follows:
1. Transport shall be performed by not less than two (2) persons at all times.
2. A transporter in charge shall be designated at the time of transport, and
such transporter in charge shall be required to accompany the package in order to engage in necessary supervision for accident and radiation hazard prevention.

3. Radiation measuring apparatus, protective gear and communication equipment shall be carried to be able to rapidly respond to emergencies and to report to the authorities concerned in the event of an accident during transport.

4. Necessary safety education and training shall be conducted as regards drivers.

5. The driver and transporter in charge shall perform a safety inspection of the vehicle prior to departure.

6. The transporter in charge as provided in the foregoing Subparagraph 2 shall be designated among any of the following:
   a. Chief officer of an organization in charge of radiation safety control or radiation safety officer with knowledge and experience, in case of the transport of fissile materials; and
   b. Those with a license on handling radioisotopes belonging to the institutions concerned, in other cases.

**Article 114 (Packages Shipped to a Foreign Country)**

Any package shipped to a foreign country shall meet the relevant regulations of the country that such package is to pass through or arrive at.

**Article 115 (Type L Package)**

Notwithstanding the provisions of Articles 96 through 113 hereof, a Type L package shall meet each of the following packing standards:

1. The radiation dose rate on the external surface of a package shall not exceed 5 microsieverts per hour.

2. The average of removable surface contamination at any points of not less than 300cm² on the external surface of a package shall not exceed any of the following limits:
   a. 4 becquerels per cm² in the case of beta/gamma emitters and low-toxicity alpha emitters; and
   b. 0.4 becquerels per cm² in the case of all alpha emitters except those as provided in the foregoing Item (a).

3. Other risks associated with radioactive materials in a package including explosions, flammability, spontaneous combustibility, chemical toxicity or corrosiveness, shall be considered, in addition to radioactivity or fissionability.

4. Such marking as provided in Article 105 hereof shall be performed.


**Article 116** (Transport of Low Specific Activity Materials)

(1) Low specific activity materials may be transported in Type IP package according to the requirements set forth in the attached Table 9.

(2) Total radioactivity in a single hold or compartment of an inland water craft or in another conveyance, for carriage of low specific activity materials in Type IP package shall not exceed the limit specified in the attached Table 4.

**Article 117** (Transport of Surface Contaminated Objects)

(1) Surface contaminated objects may be transported in Type IP package according to the requirements set forth in the attached Table 9.

(2) Total radioactivity in a single hold or compartment of an inland water craft or in another conveyance, for carriage of surface contaminated objects in Type IP package shall not exceed the limit specified in the attached Table 4.

**Article 118** (Transport of Type L Packages)

(1) As regard radioactive materials enclosed in or included as a component part of an instrument or other manufactured Article, with activity not exceeding the item and package limits specified in columns 2 and 3 respectively of Table 3, the technical standards for transport thereof shall be as follows:

1. The radiation dose rate at ten centimeters away from any point on the external surface of any unpackaged instrument or Article shall not exceed 0.1 millisievert per hour;
2. A marking reading “radioactive materials” shall be attached to each instrument or Article. Provided, that this shall not apply to radioluminescent time-pieces or devices; and
3. The active material is completely enclosed by non-active components.

(2) Technical standards for the transport of radioactive materials other than those provided in the foregoing Paragraph (1), of which radioactivity does not exceed the limits as specified in Column 4 of the attached Table 3 shall be as follows:

1. The package retains its radioactive contents under routine conditions of transport; and
2. The package bears the marking “RADIOACTIVE” on an internal surface in such a manner that a warning of the presence of radioactive material is visible on opening the package.
(3) A manufactured Article in which the sole radioactive material is unirradiated natural uranium, unirradiated depleted uranium or unirradiated natural thorium may be transported as an Type L package provided that the outer surface of the uranium or thorium is enclosed in an inactive sheath made of metal or some other substantial material.

(4) The contamination and leakage control standards as provided in Article 101 hereof shall be met.

**Article 119 (Transport of Empty Transport Containers)**

An empty container which previously contained radioactive material may be transported after being classified as a Type L package provided that:
1. It is maintained in the proper condition and securely closed;
2. The level of internal removable contamination does not exceed one hundred times the level specified in Article 100 hereof; and
3. Any labels which may have been displayed on it in conformance with Article 106 are no longer visible.

### Section 3  Obligations of Consignor, etc.

**Article 120 (Scope of Application)**

As regards technical standards that must be complied with by those engaging in packaging of radioactive materials, etc. for transport thereof and in transport of radioactive materials, etc. as provided in Article 72 of the Act, the provisions of Articles 121 through 123 hereof shall apply.

**Article 121 (Preparation of Transport Documents)**

(1) In regard to each package that a consignor intends to transport, he shall prepare transport documents as determined and publicly notified by the Nuclear Safety and Security Commission and provide such documents to the transporter of the package.

(2) The consignor shall include a written declaration determined and publicly notified by the Nuclear Safety and Security Commission in the transport documents provided in the foregoing Paragraph (1). Provided, that this shall not apply to any transport conducted in accordance with the transport regulations of international conventions that cover the purpose of such declaration.

(3) The consignor shall affix his signature and seal to such written declaration as provided in the foregoing Paragraph (2).
Article 122 (Information, etc. for Transporter)

(1) The consignor shall provide in the transport document a statement regarding actions, if any, that are required to be taken by the transporter.
1. Supplementary requirements for loading, stowage, carriage, handling and unloading of the package, overpack or freight container including any special stowage provisions for the safe dissipation of heat, or a statement that no such requirements are necessary;
2. Restrictions on the mode of transport or conveyance and any necessary routing instructions;
3. Emergency arrangements appropriate to the consignment.
(2) In the case of transport of a package to a foreign country, a consignor shall provide the transporter with necessary certificates issued by the authorities concerned prior to loading and unloading.

Article 123 (Possession, etc. of Written Approval and Transport Documents)

(1) A consignor shall possess a copy of the design approval certificate and a copy of shipping documents as regards appropriate closure of the package and other matters related to preparation for transport.
(2) A consignor and consignee shall maintain a copy of the design approval certificate, shipping documents and other records necessary for transport.
(3) A consignor, transporter and consignee shall comply with the matters specified in a design approval certificate.
(4) A consignor, transporter and consignee shall ensure that there will not arise any loss, theft, etc. in the packaging or transport process and clarify the authority and responsibilities by performing delivery/receipt according to a transport contract.

Section 4 Technical Standards for Conveyance of Transport

Article 124 (Scope of Application)

As regards the technical standards for transport of radioactive materials, etc. concerning each conveyance of transport as provided in Article 72 of the Act, the provisions of Articles 125 through 128 hereof shall apply.

Article 125 (Standards for Transport by Railway and by Road)

(1) Any vehicle, which transports a package, overpack or freight container with the transport labels of Figures 2 through 5 of the attached Table 2, shall
attach a transport placard for vehicles specified in Figure 6 of the attached Table 2 according to each of the following manner:
1. The two external lateral walls in the case of a railway vehicle; and
2. The two external lateral walls and the external rear wall in the case of a road vehicle.
(2) In the case of a vehicle without side walls, the placard may be affixed directly on the cargo-carrying unit provided that they are readily visible and in the case of physically large tanks or freight container, the placards on the tanks or freight containers shall suffice.
(3) The radiation dose rate of exclusively transported packages shall not exceed the limits set forth in each of the following:
1. 10 millisieverts per hour regarding the external surface of a package or overpack. Provided, that the limit shall be 2 millisieverts per hour if any of the following standards are not met:
   a. The vehicle is equipped with an enclosure which prevents the access of unauthorized persons to the interior of the enclosure;
   b. Provisions are made to secure the package or overpack so that its position within the vehicle enclosure remain fixed; and
   c. There is no loading or unloading during the shipment.
2. 2 millisieverts per hour at any point on the outer surfaces of the vehicle, including the upper and lower surfaces, or, in the case of an open vehicle, at any point on the vertical planes projected from the outer edges of the vehicle, on the upper surface of the load, and on the lower external surface of the vehicle; and
3. 0.1 millisievert per hour at any point two meters from the vertical plane represented by the outer lateral surfaces of the vehicle, or, if the load is transported in an open vehicle, at any point two meters from the vertical planes projected from the outer edges of the vehicle.
(4) In the case of a road vehicle, no persons other than the driver and assistants shall be permitted in vehicles carrying packages, overpacks or freight containers bearing category 2 – yellow or category 3 – yellow labels.

Article 126 (Standards for Transport by Vessels)

(1) Packages having a surface radiation level greater than 2 millisieverts per hour, unless being carried in or on a vehicle under exclusive use, shall not be transported by vessel except under special arrangement.
(2) The transport of consignments by means of a special use vessel which is dedicated to the purpose of carrying radioactive material, shall be excepted from the requirements specified in Article 108 (2) provided that the following conditions are met.
1. A radiation protection program for the shipment shall be approved by the competent authority of the flag state of the vessel and, when requested, by the competent authority at each port of call;
2. Stowage arrangements shall be predeterminded for the whole voyage including any consignments to be loaded at ports of call en route;
3. The loading, carriage and unloading of the consignment shall be supervised by persons qualified in the transport of radioactive material.
(3) The captain of a ship shall install locks or compartments at the entrance of the place where packages remain loaded, or take measures to prevent any person other than related authorized personnel from having access thereto.
(4) The captain of a ship shall establish an off-limits area around the place where package are loaded, to restrict any people other than related authorized personnel from accessing such area, and install signs restricting access.
(5) In the case of transport of any package, the captain of the ship shall carry necessary documents that state the type, quantity, handling method and cautions of such package and measures to be taken in the event of an accident.
(6) Except those provided for in Paragraphs (1) through (5), the detailed technical standards for safety control of transport by vessel of package shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 127 (Standards for Transport by Air)

(1) Type B(M) packages and consignment under exclusive use shall not be transported on passenger aircraft.
(2) Vented Type B(M) packages, packages which require external cooling by an ancillary cooling system, packages subject to operational controls during transport, and packages containing liquid pyrophoric materials shall not be transported by air.
(3) Packages or overpacks having a surface radiation dose rate greater than 2 millisieverts per hour shall not be transported by air except by special arrangement.
(4) A package shall not be loaded in an area used by the airplane crew, etc. at ordinary times.
(5) In the case of transport of a package, etc. the captain of the airplane shall carry necessary documents that state the type, quantity, handling method and cautions of such package and measures to be taken in the event of an accident.

Article 128 (Standards for Transport by Post)
(1) Any package of which radioactive contents does not exceed one tenth of the limit specified in the attached Table 3 may be accepted for domestic movement by national postal authorities, to the extent that the requirements prescribed by the postal authorities are met.

(2) Any package of which radioactive contents does not exceed one tenth of the limit specified in the attached Table 3 may be transported by international post, to the extent that the requirements set forth in each of the following are met:

1. It shall be deposited with the postal service only by consignors authorized by the national authority;
2. It shall be dispatched by the quickest route, normally by air;
3. It shall be plainly and durably marked on the outside with the words “RADIOACTIVE MATERIAL – QUANTITIES PERMITTED FOR MOVEMENT BY POST”; these words shall be crossed out if the packaging is returned empty;
4. It shall carry on the outside the name and address of the consignor with the request that the consignment be returned in the case of non-delivery; and
5. The name and address of the consignor and the contents of the consignment shall be indicated on the internal packaging.
ADDENDA <No. 4, Nov. 11, 2011.>

Article 1 (Enforcement Date)

This Rule shall enter into force on the date of its promulgation.

Article 2 (Transitional Measures)

The dispositions, procedures and other practices concerning nuclear safety implemented in accordance with the Rules on the Technical Standards for Nuclear Reactor Facilities, etc. (Ministry of Education, Science and Technology Ordinance No. 1) that were in effect prior the enforcement of this Rule shall be deemed to have been implemented in accordance with this Rule.

ADDENDA <No. 12, Dec. 19, 2013>

Article 1 (Enforcement Date)

This Rule shall enter into force on January 1, 2014: Provided, That Articles 23–2, 29–2, 40–2 and 46–2 shall enter into force six months after the date of its promulgation.

Article 2 (Transitional Measures)

The practices implemented in accordance with the Rules on the Technical Standards for Radiation Safety Management, etc. (Nuclear Safety and Security Commission Rule No. 4) shall be deemed to have been implemented in accordance with this Rule.

Article 3 (Transitional Measures Concerning Fire Risk Analysis)

An individual who has installed a fire protection facility in accordance with the provisions applicable prior to the enforcement of this Act shall be deemed to have performed the fire risk analysis pursuant to Article 68–2 (2): Provided, That builders and operators of dispositions facilities, etc. shall perform a fire risk analysis before every ten-year anniversary of the date on which their respective construction and/or operating permit was received elapses or in case there are changes to the design or operating method that may have an impact on the fire risk analysis results following the enforcement date of this Rule.
ADDENDA <No. 14, Nov. 21, 2014>

Article 1 (Enforcement Date)

This Rule shall enter into force on November 22, 2014: Provided, That the amended provisions of Articles 57–2 and 57–4 shall enter into force on May 22, 2015.

Article 2 (Transitional Measures Concerning Reporting Total Workload and Average Daily Workplace)

A person placing an order for a radiographic examination prior to the enforcement of the amended provisions of Article 57–4 pursuant to the proviso to Article 1 of the Addenda shall, notwithstanding Article 57–4 (2), report the matters prescribed in Article 57–4 (1) 1 by May 31, 2015.

Article 3 (Transitional Measures Concerning Team Leader Education)

① An individual who has been designated as a team leader pursuant to Article 58 subparagraph 10 of the previous Rule shall, not withstanding the amended provisions of Article 58–2, be viewed as a team leader designated in accordance with this Rule.
② An individual who has become a team leader pursuant to paragraph (1) (excl. individuals who have become team leaders pursuant to Article 58 subparagraph 10 Item A) shall receive regular team leader education in accordance with Article 58–2 (1) by December 31, 2015.

ADDENDUM <No. 18, Dec. 23, 2016>

This Rule shall enter into force on December 23, 2016.

ADDENDUM <No. 19, Jul. 17, 2017>

This Rule shall enter into force on July 17, 2017.

ADDENDUM <No. 20, Mar. 30, 2018>

Article 1 (Enforcement Date)

This Rule shall enter into force on March 30, 2018: Provided, That Article 27–2 subparagraphs 2, 3, 4 and 5 and Article 33–2 subparagraphs 2, 3 and 4 shall enter into force on September 30, 2018.
### Various Signs and Radioactivity Signs

[Related to Article 3 (2) 1, etc.]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Details of Signs</th>
<th>Size of Radioactivity Signs</th>
<th>Places where a Sign is Required to be Posted</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Various facilities of a radiation control area (production, utilization, distribution, storage, temporary storage, processing, discharge and disposal), etc. [Articles 3 (2) 1, 17 and 19 (1) 7, Subparagraph 6 of Article 20, Subparagraph 4 of Article 21, Subparagraph 5 of Article 22, Subparagraph 5 of Article 23, Article 25, Article 27 (1) 4, Subparagraph 5 of Article 28, Subparagraph 5 of Article 29, Article 31, Article 33 (1) 5, and Subparagraph 6 of Article 58]</td>
<td>“Radiation Control Area” to be marked above the sign as specified in the figures below (hereinafter referred to as “sign”) and “Production Facilities”, “Use Facilities”, “Distribution Facilities”, “Storage Facilities”, “Temporary Storage Facilities”, “Processing Facilities”, “Discharge Facilities” or “Disposal Facilities”, etc. thereunder; “No Entrance without Permission” to be marked underneath the signs.</td>
<td>Radius of 15 cm or longer</td>
<td>Place designated as the entrance/exit of production facilities, use facilities, etc. and the boundary of a radiation control area</td>
</tr>
<tr>
<td>2. Production, utilization and work rooms of radioisotopes or radiation generating devices [Article 17, Article 19 (1) 7, Article 21, Article 25, Article 27 (1) 4, Article 31, Article 33 (1) 5, and Subparagraph 6 of Article 58]</td>
<td>“Radioisotope Production Room”, “Radioisotope Utilization Room”, “Radioisotope Utilization Work Room”, “Radiation Generating Devices Production Room” or “Radiation Generating Devices Utilization Room” to be marked above the signs.</td>
<td>Radius of 10 cm or longer</td>
<td>Entrance/exit of the radioisotope production room, radioisotope utilization room, radioisotope utilization work room, radiation generating devices production room or radiation generating device utilization room and the places adjacent thereto</td>
</tr>
<tr>
<td>3. Distribution room of radioisotopes [Article 19 (1) 7 and Article 27 (1) 4]</td>
<td>“Radioisotope Distribution Room” to be marked above the signs.</td>
<td>Radius of 10 cm or longer</td>
<td>Entrance/exit of the radioisotope distribution room and the places adjacent thereto</td>
</tr>
<tr>
<td>4. Storage room of radioisotopes (Subparagraph 6 of Article 20 and Subparagraph 5 of Article 28)</td>
<td>“Radioisotope Storage Room” to be marked above the signs and “No Access without Permission” underneath the signs.</td>
<td>Radius of 10 cm or longer</td>
<td>Entrance/exit of the radioisotope storage room and the places adjacent thereto</td>
</tr>
<tr>
<td>Classification</td>
<td>Details of Sign</td>
<td>Size of Radioactivity Signs</td>
<td>Places where a Sign is Required to be Posted</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------</td>
<td>-----------------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>5. Contamination inspection room and processing work room [Article 19 (1) 7 and Subparagraph 5 of Article 22]</td>
<td>“Contamination Inspection Room” or “Disposal Work Room” to be marked above the signs.</td>
<td>Radius of 10 cm or longer</td>
<td>Entrance/exit of the contamination inspection room or disposal work room or the places adjacent thereto</td>
</tr>
<tr>
<td>6. Storage case of radioisotopes (Subparagraph 6 of Article 20, and Subparagraph 5 of Article 28)</td>
<td>“Radioisotope Storage Case” to be marked above the signs and “No Access Without Permission” underneath the signs.</td>
<td>Radius of 3 cm or longer</td>
<td>Surface of the storage case</td>
</tr>
<tr>
<td>7. Vessel kept available at radioisotope storage facilities (Subparagraph 6 of Article 20)</td>
<td>“Radioisotopes” to be marked above the signs and the types and quantity of radioisotopes underneath the signs.</td>
<td>Radius of 2.5 cm or longer</td>
<td>Surface of the vessel</td>
</tr>
<tr>
<td>8. Drainage facilities (Subparagraph 5 of Article 23)</td>
<td>“Drainage Facilities” to be marked above the signs and “No Entrance without Permission” underneath the signs.</td>
<td>Radius of 10 cm or longer in case of a drainage purification tank, radius of 5 cm or longer in case of effluent processing apparatus, radius of 2.5 cm or longer in the case of a drainage pipe, and radius of 10 cm or longer in case of other signs attached near the facilities</td>
<td>Surface of a drainage purification tank (if such tank is buried, the ground thereon or right above), and the surface of exposed areas on the ground and areas adjacent thereto in the case of effluent processing apparatus and drainage pipe</td>
</tr>
<tr>
<td>9. Incinerator (Subparagraph 5 of Article 22)</td>
<td>“Incinerator” to be marked above the signs and “No Access Without Permission” underneath the signs.</td>
<td>Radius of 5 cm or longer</td>
<td>Near the incinerator</td>
</tr>
<tr>
<td>10. Ventilation equipment (Subparagraph 5 of Article 23)</td>
<td>“Ventilation Facilities” to be marked above the signs and “No Access Without Permission” underneath the signs.</td>
<td>Radius of 5 cm or longer</td>
<td>Drainage passage or places adjacent thereto and the surface of ventilation and purification device exhaust pipes</td>
</tr>
<tr>
<td>11. Temporary storage equipment and vessels kept available at temporary storage facilities (Subparagraph 4 of Article 21)</td>
<td>“Radioactive Wastes” to be marked above the signs.</td>
<td>Radius of 2.5 cm or longer</td>
<td>Surface of a vessel</td>
</tr>
</tbody>
</table>
Regulations on Technical Standards for Radiation Safety Control, Etc.

<table>
<thead>
<tr>
<th>Classification</th>
<th>Details of Sign</th>
<th>Size of Radioactivity Signs</th>
<th>Places where a Sign is Required to be Posted</th>
</tr>
</thead>
<tbody>
<tr>
<td>12. Place where radioisotopes or materials contaminated by radioisotopes are kept [Article 136 (1) 3 (d) of the Decree]</td>
<td>“Radioactive Contaminated Materials” to be marked above the signs and “No Access Without Permission” underneath the signs.</td>
<td>Radius of 10 cm or longer</td>
<td>Nearby the place where they are kept</td>
</tr>
<tr>
<td>13. When the surface radiation dose rate exceeds the numbers determined by the Minister of Education, Science and Technology for temporary storage, processing, storage, discharge or disposal of radioactive wastes [Article 85 (1) 3, Article 86 (1) 2 and Subparagraph 9 (c) of Article 87]</td>
<td>“Radioactive Wastes” to be marked above the signs and the name of the disposing enterpriser, quantity of wastes, concentration of radioactive materials, serial number, etc. underneath the signs.</td>
<td>Radius of 5 cm or longer</td>
<td>Surface of radioactive wastes</td>
</tr>
</tbody>
</table>

Note: 1. In cases where it is acknowledged that it is difficult to determine the size of a radiation sign in accordance with the radius standards specified in the table above, the relevant radius standards may not apply.
2. “Radius” in the table above refers to the size of 5R in the supplementary figure below.

[Supplementary Figure]

**Sign Example**

![Sign Example Image]
[Table 2]

**Packaging and Transport–Related Signs**  
[Related to Articles 39, 106 and 125]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Details of Sign</th>
<th>Form and Size of Radioactivity Signs</th>
<th>Places where a Sign is Required to be Posted</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Category I - white package</td>
<td>Print “Radioactive Materials” in Korean under the sign shown in Figure 1, specify the name and radiation quantity of such radioactive materials on the next line and state the number “7” indicating the type of dangerous materials thereunder.</td>
<td>A radioactivity signs shall take the form shown in Figure 2 and the width/length thereof shall be no shorter than 100mm respectively.</td>
<td>Two opposite sides of the surface of a package</td>
</tr>
<tr>
<td>2. Category II - yellow package</td>
<td>Print “Radioactive Materials” in Korean under the sign shown in Figure 1, specify the name, radiation quantity and transport index of such radioactive materials on the next line and state the number “7” indicating the type of dangerous materials thereunder.</td>
<td>A radioactivity signs shall take the form shown in Figure 3 and the width/length thereof shall be no shorter than 100mm, respectively.</td>
<td>Two opposite sides of the surface of a package</td>
</tr>
<tr>
<td>3. Category III - yellow package</td>
<td>Print “Radioactive Materials” in Korean under the sign shown in Figure 1, specify the name, radiation quantity and transport index of such radioactive materials on the next line and state the number “7” indicating the type of dangerous materials thereunder.</td>
<td>A radioactivity signs shall take the form shown in Figure 4 and the width/length thereof shall be no shorter than 100mm, respectively.</td>
<td>Two opposite sides of the surface of a package</td>
</tr>
<tr>
<td>4. Package containing fissile materials</td>
<td>Specify the criticality safety index under “fissile materials”, and state number “7” indicating the type of dangerous materials thereunder.</td>
<td>A radioactivity signs shall take the form shown in Figure 5, and the width/length thereof shall be no shorter than 100mm, respectively.</td>
<td>Two opposite sides of the surface of a package</td>
</tr>
<tr>
<td>Classification</td>
<td>Details of Sign</td>
<td>Form and Size of Radioactivity Signs</td>
<td>Places where a Sign is Required to be Posted</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------</td>
<td>-------------------------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>5. Freight container or tank containing radioactive packages</td>
<td>Print “Radioactive Materials” in Korean under the sign shown in Figure 1, and state number “7” indicating the type of dangerous materials thereunder.</td>
<td>A radioactivity signs Signs shall take the form shown in Figure 6, and the width/length thereof shall be no shorter than 250mm, respectively.</td>
<td>Four sides of a container or tank</td>
</tr>
<tr>
<td>6. Vehicle transporting radioactive materials by road and railway</td>
<td>Print “Radioactive Materials” in Korean under the sign shown in Figure 1, and state the number “7” indicating the type of dangerous materials thereunder.</td>
<td>A radioactivity signs shall take the form shown in Figure 6 and the width/length thereof shall be no shorter than 250mm, respectively.</td>
<td>Two sides, front and rear of a vehicle</td>
</tr>
<tr>
<td>7. Road and railway vehicle transporting radioactive materials of a single UN number under exclusive use</td>
<td>State the relevant UN number in the size of 65mm or larger as shown in Figure 7, according to the radioactive materials transported.</td>
<td>A radioactivity signs shall take the form shown in Figure 7 and the width/length thereof shall be no shorter than 300mm and 120mm, respectively.</td>
<td>Two sides of a vehicle</td>
</tr>
</tbody>
</table>

Note: The size of the signs above may be adjusted according to the relevant circumstances including the size of the objects to which they are to be attached.
Regulations on Technical Standards for Radiation Safety Control, Etc.

[Figure 3] Category II – Yellow Transport Label

[Figure 4] Category III – Yellow Transport Label

[Figure 5] Criticality Safety Index Label

[Figure 6] Transport Placard for Vehicle

[Figure 7] UN Number Transport Sign
[Table 3]

**Radioactivity Limits of Type L Packages**
[Related to Article 91 (1), Article 118 and Article 128]

<table>
<thead>
<tr>
<th>Physical State of Contents</th>
<th>Instrument or Article</th>
<th>Radioactive Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Column 1</td>
<td>Column 2</td>
</tr>
<tr>
<td>Solids: Special form radioactive material</td>
<td>$10^{-2} A_1$</td>
<td>$A_1$</td>
</tr>
<tr>
<td>Other than special form</td>
<td>$10^{-2} A_2$</td>
<td>$A_2$</td>
</tr>
<tr>
<td>Liquids</td>
<td>$10^{-3} A_2$</td>
<td>$10^{-1} A_2$</td>
</tr>
<tr>
<td>Gases: Tritium</td>
<td>$2 \times 10^{-2} A_2$</td>
<td>$2 \times 10^{-1} A_2$</td>
</tr>
<tr>
<td>Special form radioactive material</td>
<td>$10^{-5} A_1$</td>
<td>$10^{-2} A_1$</td>
</tr>
<tr>
<td>Other than special form</td>
<td>$10^{-3} A_2$</td>
<td>$10^{-2} A_2$</td>
</tr>
</tbody>
</table>
### [Table 4]

**Radioactivity Limits of the Means of Maritime Transport regarding Type IP Packages**

[Related to Article 91 (2), Article 116 (2) and Article 117 (2)]

<table>
<thead>
<tr>
<th>Material Characteristics</th>
<th>Maritime</th>
<th>Inland Waterways</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSA(low specific activity)-I</td>
<td>No limits</td>
<td>No limits</td>
</tr>
<tr>
<td>LSA-II and LSA-III (non-combustible solids)</td>
<td>No limits</td>
<td>100 A&lt;sub&gt;2&lt;/sub&gt;</td>
</tr>
<tr>
<td>LSA-II and LSA-III (combustible solids, liquids and gases)</td>
<td>100 A&lt;sub&gt;2&lt;/sub&gt;</td>
<td>10 A&lt;sub&gt;2&lt;/sub&gt;</td>
</tr>
<tr>
<td>Surface contaminated objects</td>
<td>100 A&lt;sub&gt;2&lt;/sub&gt;</td>
<td>10 A&lt;sub&gt;2&lt;/sub&gt;</td>
</tr>
</tbody>
</table>
### Standards for Categorization of Packages and Overpacks

[Related to Article 104]

<table>
<thead>
<tr>
<th>Transport Index</th>
<th>Conditions</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Maximum radiation dose rate at any point on external surface</td>
<td>Category I - White Package</td>
</tr>
<tr>
<td>More than 0 but not more than 1</td>
<td>More than 0.005mSv/h but not more than 0.5mSv/h</td>
<td>Category II - Yellow Package</td>
</tr>
<tr>
<td>More than 1 but not more than 10</td>
<td>More than 0.5mSv/h but not more than 2mSv/h</td>
<td>Category III - Yellow Package</td>
</tr>
<tr>
<td>More than 10</td>
<td>More than 2mSv/h but not more than 10mSv/h</td>
<td>Category III - Yellow Package</td>
</tr>
</tbody>
</table>

Note 1. In this case, the packages shall be transported under exclusive use, without exception.
### Indication of UN Standards on Shipment

**Package of Radioactive Materials**

[Related to Article 105 (1) 2]

<table>
<thead>
<tr>
<th>UN Number</th>
<th>L-type packages</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>UN2908</td>
<td>Radioactive materials, L-type package – empty shipping containers</td>
<td></td>
</tr>
<tr>
<td>UN2909</td>
<td>Radioactive materials, L-type package – Articles manufactured with natural uranium, reduced uranium, or natural thorium</td>
<td></td>
</tr>
<tr>
<td>UN2910</td>
<td>Radioactive materials, L-type package – volume of restriction</td>
<td></td>
</tr>
<tr>
<td>UN2911</td>
<td>Radioactive materials, L-type package – Appliances or items</td>
<td></td>
</tr>
</tbody>
</table>

Low-level non-radioactive materials

| UN Number | Low-level non-radioactive materials (LSA-I), non-fissile or fissile excepted |  |
| UN321     | Radioactive materials, Low-level non-radioactive materials (LSA-I), non-fissile or fissile excepted |  |
| UN322     | Radioactive materials, Low-level non-radioactive materials (LSA-II), non-fissile or fissile excepted |  |
| UN323     | Radioactive materials, Low-level non-radioactive materials (LSA-III), non-fissile or fissile excepted |  |
| UN324     | Radioactive materials, Low-level non-radioactive materials (LSA-II), fissile excepted |  |
| UN325     | Radioactive materials, Low-level non-radioactive materials (LSA-III), fissile excepted |  |

Surface contaminant

| UN Number | Radioactive materials, surface contaminant (SCO-I or SCO-II), non-fissile or fissile excepted |  |
| UN2913    | Radioactive materials, surface contaminant (SCO-I or SCO-II), fissile excepted |  |

A-type packages

| UN Number | Radioactive materials, A-type package, non-special form, or non fissile or fissile excepted |  |
| UN326     | Radioactive materials, A-type package, non-special form |  |
| UN327     | Radioactive materials, A-type package, fissile, non-special form |  |
| UN328     | Radioactive materials, A-type package, special form, non fissile or or fissile excepted |  |
| UN333     | Radioactive materials, A-type package, fissile |  |

Type B (U) packages

| UN Number | Radioactive materials, B-type (U) package, non fissile or fissile excepted |  |
| UN2916    | Radioactive materials, B-type (U) package, fissile |  |

Type B (M) packages

| UN Number | Radioactive materials, B-type (M) package, non fissile or fissile excepted |  |
| UN329     | Radioactive materials, B-type (M) package, fissile |  |

C-type packages

| UN Number | Radioactive materials, C-type package, non fissile or fissile excepted |  |
| UN330     | Radioactive materials, C-type package, fissile |  |
| UN331     | Radioactive material, transported under special arrangement |  |
| UN2919    | Radioactive material, transported under special arrangement, non fissile or fissile excepted |  |
| UN2920    | Radioactive material, transported under special arrangement, fissile |  |
| UN2977    | Radioactive materials, uranium hexafluoride, fissile |  |
| UN2978    | Radioactive material, uranium hexafluoride, non fissile or fissile excepted |  |

Note 1) ‘Shipping name’ refers to the bold types of ‘Shipping name or description’ column. In case of UN2909, UN2911, UN2913, or UN326 that is separated by lowercase “or”, only the relevant shipping name should be used.

Note 2) ‘Fissile-excepted’ falls under Article 91 (1) 3
[Table 7]

**Transport Index Limits regarding Freight Containers and Transport Means under Non-Exclusive Use**

[Related to Article 108 (2) 1]

<table>
<thead>
<tr>
<th>Freight Container or Form of Other Means of Transport</th>
<th>Limits on the Total Transport Index regarding Freight Containers or Means of Transport</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freight Containers</td>
<td>50</td>
</tr>
<tr>
<td>Vehicles</td>
<td>50</td>
</tr>
<tr>
<td>Airplanes : Passenger Freight</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>200</td>
</tr>
<tr>
<td>Ships for inland waterway transport</td>
<td>50</td>
</tr>
<tr>
<td>Ship for maritime transport¹</td>
<td>50</td>
</tr>
<tr>
<td>(1) Hold, waterproof compartment and designated deck area : package, overpack, freight container</td>
<td>(200 in case of a large freight container²)</td>
</tr>
<tr>
<td>(2) Entire ship : package, overpack, freight container</td>
<td>200</td>
</tr>
</tbody>
</table>

Note 1. Any package or overpack that is transported exclusively under Article 125 (3) hereof may be transported by sea, with such package or overpack loaded on a vehicle.

2. It means a freight container of which the external length is at least 1.5 meters and the internal volume exceeds 3 cubic meters.
### Criticality Safety Index Limits

[Related to Article 108 (2) and Article 109 (2)]

<table>
<thead>
<tr>
<th>Type</th>
<th>Criticality Safety Index Limit</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Exclusive</td>
<td>Non-exclusive</td>
</tr>
<tr>
<td>Freight Containers</td>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td>Vehicles</td>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td>Airplanes: Passenger Freight</td>
<td>N/A</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td>Ships for inland waterway transport</td>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td>Ships for maritime transport¹</td>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td>(1) Hold, waterproof compartment and designated deck area: package, overpack, freight container</td>
<td>200 (No limits in the case of a large freight container)</td>
<td>200 (No limits in the case of a large freight container)</td>
</tr>
<tr>
<td>(2) Entire ship: package, overpack, freight container</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note 1. Any package or overpack that is transported exclusively under Article 125 (3) hereof may be transported by sea, with such package or overpack loaded on a vehicle.

2. It means a freight container of which the external length is at least 1.5 meters and the internal volume exceeds 3 cubic meters.
Based on Type IP Packages of Low Specific Activity Materials and Surface Contaminated Objects
[Related to Article 116 (1) and Article 117 (1)]

<table>
<thead>
<tr>
<th>Radioactive Substance</th>
<th>Type IP Package</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Exclusive</td>
<td>Non-exclusive</td>
<td></td>
</tr>
<tr>
<td>LSA-I: Solid Liquid</td>
<td>Type IP-1 package</td>
<td>Type IP-1 package</td>
<td>Type IP-1 package</td>
</tr>
<tr>
<td></td>
<td>Type IP-2 package</td>
<td>Type IP-2 package</td>
<td>Type IP-2 package</td>
</tr>
<tr>
<td>LSA-II: Solid Liquid &amp; gaseous</td>
<td>Type IP-2 package</td>
<td>Type IP-2 package</td>
<td>Type IP-3 package</td>
</tr>
<tr>
<td></td>
<td>Type IP-3 package</td>
<td>Type IP-3 package</td>
<td>Type IP-3 package</td>
</tr>
<tr>
<td>LSA-III</td>
<td>Type IP-2 package</td>
<td>Type IP-3 package</td>
<td>Type IP-3 package</td>
</tr>
<tr>
<td>SCO-I</td>
<td>Type IP-1 package</td>
<td>Type IP-1 package</td>
<td>Type IP-1 package</td>
</tr>
<tr>
<td>SCO-II</td>
<td>Type IP-2 package</td>
<td>Type IP-2 package</td>
<td>Type IP-2 package</td>
</tr>
</tbody>
</table>
Act on Physical Protection and Radiological Emergency
# Act on Physical Protection and Radiological Emergency

<table>
<thead>
<tr>
<th>Act No.</th>
<th>Date of Act</th>
<th>Date of Amendment</th>
<th>Date of Enforcement</th>
</tr>
</thead>
<tbody>
<tr>
<td>06873</td>
<td>May 15, 2003</td>
<td></td>
<td>Feb. 16, 2004</td>
</tr>
<tr>
<td>7806</td>
<td>Dec. 30, 2005</td>
<td>Amendment by Other Act</td>
<td>Jul. 1, 2006</td>
</tr>
<tr>
<td>8077</td>
<td>Dec. 26, 2006</td>
<td>Amendment by Other Act</td>
<td>Mar. 27, 2007</td>
</tr>
<tr>
<td>8078</td>
<td>Dec. 26, 2006</td>
<td>Amendment by Other Act</td>
<td>Mar. 27, 2007</td>
</tr>
<tr>
<td>8420</td>
<td>May 11, 2007</td>
<td>Amendment by Other Act</td>
<td>May 11, 2007</td>
</tr>
<tr>
<td>8852</td>
<td>Feb. 29, 2008</td>
<td>Amendment by Other Act</td>
<td>Feb. 29, 2008</td>
</tr>
<tr>
<td>10074</td>
<td>Mar. 17, 2010</td>
<td>Partial Amendment</td>
<td>Mar. 17, 2010</td>
</tr>
<tr>
<td>9932</td>
<td>Jan. 18, 2010</td>
<td>Amendment by Other Act</td>
<td>Mar. 19, 2010</td>
</tr>
<tr>
<td>10074</td>
<td>Mar. 17, 2010</td>
<td>Partial Amendment</td>
<td>Mar. 19, 2010</td>
</tr>
<tr>
<td>11715</td>
<td>Mar. 23, 2013</td>
<td>Amendment by Other Act</td>
<td>Mar. 23, 2013</td>
</tr>
<tr>
<td>11994</td>
<td>Aug. 6, 2013</td>
<td>Amendment by Other Act</td>
<td>Feb. 7, 2014</td>
</tr>
<tr>
<td>12665</td>
<td>May 21, 2014</td>
<td>Partial Amendment</td>
<td>May 21, 2014</td>
</tr>
<tr>
<td>12844</td>
<td>Nov. 19, 2014</td>
<td>Amendment by Other Act</td>
<td>Nov. 19, 2014</td>
</tr>
<tr>
<td>12665</td>
<td>May 21, 2014</td>
<td>Partial Amendment</td>
<td>Nov. 22, 2014</td>
</tr>
<tr>
<td>13077</td>
<td>Jan. 20, 2015</td>
<td>Partial Amendment</td>
<td>Apr. 21, 2015</td>
</tr>
<tr>
<td>12665</td>
<td>May 21, 2014</td>
<td>Partial Amendment</td>
<td>May. 8, 2016</td>
</tr>
<tr>
<td>14609</td>
<td>Mar. 21, 2017</td>
<td>Amendment by Other Act</td>
<td>Jun. 22, 2017</td>
</tr>
<tr>
<td>14839</td>
<td>Jul. 26, 2017</td>
<td>Amendment by Other Act</td>
<td></td>
</tr>
</tbody>
</table>
Chapter I General Provisions

Article 1 (Purpose)

The purpose of this Act is to protect life and property of people by establishing a system for physical protection from or prevention of radioactivity disaster for the safe control/operation of nuclear materials and nuclear facilities and implementing a radiological disaster control system to effectively cope with radiological disasters.

Article 2 (Definition)

(1) Terms used herein are defined as follows:
1. The term “nuclear materials” means the materials that can generate nuclear energy including, but not limited to, uranium and thorium, uranium ore, thorium ore and other substances that comprise raw materials for nuclear fuel materials as prescribed by the Presidential Decree.
2. The term “nuclear facilities” means a nuclear power reactor, nuclear reactor for research, nuclear fuel cycling facilities, storage/processing/disposal facilities of radioactive wastes, utilization facilities of nuclear materials and other facilities related with the use of nuclear energy as prescribed by the Presidential Decree.
3. The term “physical protection” means any and all actions to prevent internal and external threats to nuclear materials and nuclear facilities in advance, detect a threat promptly and take reasonable response actions when such threat arises, and minimize any damages resulting from an accident.
4. The term “illicit trafficking” means receiving, possessing, owning, storing, using, transporting, reconstruction, disposing or distributing nuclear materials without legitimate authority.
5. The term “sabotage” means any of the following actions by which the health, safety and property of people or the environment may be jeopardized.
through the discharge of radioactive materials or radiation exposure without legitimate authority:

a. Actions that destroy or damage nuclear materials or nuclear facilities or trigger a cause thereof; and
b. Actions that obstruct or attempt to obstruct normal operation of nuclear facilities.

5-2. “Computers and information systems of nuclear reactor facilities” shall mean the electronic control and management systems of the nuclear reactor facilities and the ICT network under Article 2 (1) 1 of the Act on the Promotion of Information and Communications Network Utilization and Information Protection.

5-3. “Electronic intrusions” shall mean attacks launched against the computers and information systems of nuclear reactor facilities by such means as hacking, computer viruses, logics, mail bombs, service refusal or electromagnetic pulses in order to bring about the illegal transfer of radioactive materials under use or storage or to sabotage radioactive materials.

6. The term “threat” means any of the following:

a. Sabotage;
b. Electronic intrusions
c. Use of nuclear materials to hurt the life/body of a person or inflict damages on property or the environment; and
d. Acquisition of nuclear materials to force a person, juridical person, public institution, international organization or country to take certain action.

7. The term “radiological emergency” means a situation where urgent response actions are required because of leakage or feared leakage of radioactive materials or radiation.

8. The term “radiological disaster” means a disaster requiring a response at the state level because of the escalation of a radiological emergency into a situation where life and property of people or the environment may be damaged.

9. The term “emergency planning zone” means the following zones among those that have been designated pursuant to Article 20-2 because focused emergency measures must be devised for such purposes as enabling public protection in the event of a radiological emergency or a radiological disaster at nuclear facilities.

a. Zones for preventive protection actions: Zones designated for taking preventive actions for protecting the residents when a radiation emergency occurs, including the evacuation of the residents in advance; or
b. Zones for planned emergency protective actions: Zones designated for taking emergency protective actions for the residents when radioactivity emergency or disaster occurs at a nuclear energy facility, including relief or evacuation based on the outcome of radioactivity impact assessment or environment monitoring.

10. The term “nuclear licensee” means any of the following persons:

a. Person who has obtained a permit to construct a nuclear power reactor and related facilities as provided in Article 10 of the Nuclear Safety Act;
b. Person who has obtained a permit to operate a nuclear power reactor and related facilities as provided in Article 20 of the Nuclear Safety Act;
c. Person who has obtained a permit to construct/operate nuclear reactors for research or educational purposes and related facilities as provided in Article 30 of the Nuclear Safety Act;
d. Operator of a foreign nuclear-powered ship that filed a report of its entry into or departure from a harbor of the Republic of Korea as provided in Article 31 of the Nuclear Safety Act;
e. Person who has obtained a permit to conduct the refining or fabrication business of nuclear source materials or nuclear fuel materials as provided in Article 35 (1) of the Nuclear Safety Act;
f. Person who has been designated for spent nuclear fuel processing business as provided in Article 35 (2) of the Nuclear Safety Act;
g. Person determined and publicly notified by the Nuclear Safety and Security Commission under Article 3 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission (hereinafter referred to as “Commission”), among those who have obtained a permit to use or possess nuclear fuel materials as provided in Article 45 of the Nuclear Safety Act;
h. Person who has obtained a permit to construct/operate the storage, processing and disposal facilities of radioactive wastes and adjunct facilities thereof as provided in Article 63 of the Nuclear Safety Act; and
i. Other persons as prescribed by the Presidential Decree to satisfy the necessity of formulating and executing protection and disaster prevention measures as related to radioactive materials, nuclear materials or nuclear facilities.

(2) Terms used herein other than those set forth in the foregoing Paragraph (1) shall have the same meanings as provided in the Nuclear Safety Act.
Chapter II  Physical Protection of Nuclear Materials and Nuclear Facilities

Article 3  (Formulation of Physical Protection Policies)

(1) The government shall devise policies for physical protection (hereinafter referred to as “physical protection policies”) of nuclear materials and nuclear facilities (hereinafter referred to as “nuclear facilities, etc.”).
(2) Physical protection policies shall contain each of the following:
1. Protection against illicit trafficking of nuclear materials;
2. Measures to find and retrieve lost or stolen nuclear materials;
3. Prevention of sabotage of nuclear facilities, etc.;
3-2. Prevention of electronic intrusions,
4. Measures as regards a radiological impact caused by sabotage of nuclear facilities, etc.;
5. Countermeasures against radiation impacts caused by electronic intrusions.

Article 4  (Establishment of a Physical Protection System)

(1) The government shall assess threats against nuclear facilities, etc. on a regular basis and set up a physical protection system in order to implement physical protection policies. In such case, matters necessary for the assessment of threats against nuclear facilities, etc. and establishment of the physical protection system shall be prescribed by the Presidential Decree.
(2) The Commission may request the heads of the central administrative agencies concerned to provide cooperation, if deemed necessary in his reasonable discretion, for the establishment of the physical protection system as provided in the foregoing Paragraph (1).
(3) The Commission may request or order to a person of each of the following to take necessary measures as prescribed by the Presidential Decree including procurement of protection–related facilities and equipment and control of management thereof, if deemed necessary in his reasonable discretion, for the establishment of the physical protection system as provided in the foregoing Paragraph (1).
1. Special metropolitan city mayor / metropolitan city mayors / special automotive city mayors / provincial governor / special self provincial governor (hereinafter referred to as “metropolitan city mayor/provincial governor”) who have competent jurisdiction over all or a part of an emergency planning zone;
2. City mayor/county chief/district chief (meaning the head of an autonomous district) who have competent jurisdiction over all or a part of an emergency planning zone;
3. Nuclear licensee, and
4. Heads of public institutions, public groups and social groups as prescribed by the Presidential Decree (hereinafter referred to as “designated institutions”).

(4) The head of an institution and a nuclear licensee, who receives such request or order as provided in the foregoing Paragraphs (2) and (3), shall comply with such request or order unless there exist any special circumstances.

Article 5 (Physical Protection Council of Nuclear Facilities, etc.)

(1) The Physical Protection Council of Nuclear Facilities, etc. (hereinafter referred to as the “Protection Council”) shall be set up under the Commission for the deliberation of major national policies on physical protection of nuclear facilities, etc.
(2) The Chairman of the Protection Council shall be the chairman of the Nuclear Safety and Security Commission, and members of the Protection Council shall consist of one high level government employee or equivalent from Ministry of Strategy and Finance, Ministry of Science, ICT and Future planning, Ministry of National Defense, Ministry of Public Administration and Home Affairs, Ministry of Agriculture, Food and Rural Affairs, Ministry of Trade, Industry and Energy, Ministry of Health and Welfare, Ministry of Environment, Ministry of Land, Transport and Maritime Affairs, Ministry of Oceans and Fisheries, Ministry of Public Safety and Security (In the case of Ministry of National Defense, equivalent ministerial officer shall be relevant), the designation of which shall be made by the head of relevant organization, and employees of the central government agencies or the heads of related entities/organizations as provided under the Presidential Decree.
(3) Matters necessary for the operation of the Protection Council, etc. shall be prescribed by the Presidential Decree.

Article 6 (Functions of the Protection Council)

The Protection Council shall deliberate on each of the following:
1. Major policies related to physical protection;
2. Establishment of a physical protection system;
3. Matters of cooperation among the institutions concerned for
implementation of a physical protection system;  
4. Evaluation of a physical protection system; and  
5. Other matters submitted to a meeting thereof by the chairman thereof  
as deemed necessary, in his reasonable discretion, in connection with  
physical protection.

Article 7 (Local Protection Council)

(1) Metropolitan city/provincial protection councils shall be set up under the  
command of a metropolitan city mayor/provincial governor, and the  
city/county/district protection councils under the command of a city  
mayor/county chief/district chief in a local government where nuclear  
facilities, etc. as prescribed by the Presidential Decree are located, for  
the purpose of deliberating on matters related with physical protection of nuclear  
facilities, etc. under its jurisdiction.

(2) A metropolitan city mayor/provincial governor shall serve as the  
chairman of the metropolitan city/provincial protection council and a city  
mayor/county chief/district chief shall serve as the chairman of the  
city/county/district protection council.

(3) The local protection councils (meaning the metropolitan city/provincial  
protection councils and city/county/district protection councils; hereinafter  
the same shall apply) shall deliberate on each of the following:  
1. Major policies related to physical protection of the relevant area;  
2. Establishment of a physical protection system in the relevant area;  
3. Matters of cooperation among the institutions concerned for the  
implementation of a physical protection system for the relevant area;  
4. Evaluation of a physical protection system in the relevant area; and  
5. Other matters submitted to a meeting thereof by the chairman thereof  
as deemed necessary in his reasonable discretion, in connection with  
physical protection of the relevant area.

(4) Matters necessary for the operation/composition, etc. of a local  
protection council shall be prescribed by the Presidential Decree.

Article 8 (Classification of Nuclear Materials Subject to Physical  
Protection, etc.)

(1) Nuclear materials subject to physical protection shall be classified  
into Grade I, Grade II and Grade III, as set forth under the Presidential  
Decree considering their potential hazard levels.

(2) Each of the following requirements in regard to physical protection  
of nuclear facilities, etc. in connection therewith shall be prescribed by  
the Presidential Decree:
1. Protection requirements regarding illicit trafficking; and
2. Protection requirements regarding sabotage.
3. Requirements for protection against electronic intrusions.

**Article 9 (Responsibilities of Nuclear Licensee regarding Physical Protection)**

(1) A nuclear licensee shall obtain the approval of the Commission in respect to each of the following, as prescribed by the Presidential Decree, and the same shall apply in cases where he intends to make any change therein. Provided, however, that in cases where he intends to change any minor matters as prescribed by the Ordinance of the Prime minister, he shall file a report thereof to the Commission:

1. Physical protection facilities/equipment and operation system thereof for such matters as set forth in each subparagraph of Article 3 (2) hereof;
2. Regulations for physical protection of nuclear facilities, etc. (hereinafter referred to as “physical protection Regulations”); and
3. Planned measures against illicit trafficking of nuclear materials and threats to nuclear facilities, etc. (hereinafter referred to as “protection emergency plan”).
4. Security regulations on the protection of computers and information systems of nuclear reactor facilities against electronic intrusions (“information system security regulations” hereinafter).

(2) Detailed standards including guidelines for the formulation of those set forth in each subparagraph of the foregoing Paragraph (1) shall be prescribed by the Ordinance of the Prime minister.

**Article 9–2 (Education on physical protection)**

(1) The employees of a nuclear reactor facility and the employees of organizations or agencies related to physical protection as determined and announced by the Commission shall receive education on physical protection conducted by the Commission as provided under the Presidential Decree (including security education for computers and information systems of nuclear reactor facilities).

(2) The Commission may designate education agencies that will be responsible for education under Paragraph (1).

(3) Matters required for conducting the physical protection education under Paragraph (1) shall be set forth under the Presidential Decree.

**Article 9–3 (Training on physical protection)**
(1) Nuclear energy facility operators shall develop and implement training on physical protection after obtaining approval from the Commission as set forth in the Ordinance of the Prime minister.
(2) Nuclear energy facility operators shall report the outcome to the Commission after implementing physical protection training under Paragraph (1). In such case, the Commission may evaluate the physical protection training conducted pursuant to Paragraph (1).
(3) The Commission may order nuclear energy facility operators to take the necessary actions, including the revision of their physical protection regulations, when deemed necessary based on the outcome of its evaluation pursuant to the latter part of Paragraph (2). In such case, nuclear energy facility operators shall report to the Commission their plan to follow the order and the outcome of their actions.

Article 10 (Request for Support from Military Units, etc.)
(1) When a nuclear licensee deems that there exists an actual or feared threat to nuclear materials, he may request the head of a military unit, police station or other administrative agencies of competent jurisdiction to provide support in protecting nuclear energy facilities, etc., or recovering nuclear materials that are lost or stolen.
(2) The head of a military unit, police station or other administrative agencies who is requested to provide support according to the foregoing Paragraph (1) shall comply with such request unless there exist special circumstances.

Article 11 (Report, etc.)

In those cases where there exists a threat to nuclear facility, etc. or where a nuclear licensee requests the head of a military unit, police station or other administrative agencies of competent jurisdiction to provide support according to Article 10 (1) hereof, the nuclear licensee shall make a report thereof to the Commission as prescribed by the Ordinance of the Commission, and give notice thereof to a city mayor/county chief/district chief of competent jurisdiction.

Article 12 (Inspection, etc.)

(1) As regards physical inspection of nuclear facilities, etc, a nuclear licensee shall undergo inspection by the as prescribed by the Presidential Decree.
(2) If the results of an inspection as provided in the foregoing Paragraph (1) fall under any of the following, the Commission may order the
nuclear licensee to make rectification thereof:
1. When there has been any violation of the protection requirements as provided in Article 8 (2) hereof;
2. When facilities/equipment for physical protection or the operation system thereof as provided in Article 9 (1) 1 hereof fail to meet any standards prescribed by the Ordinance of the Commission;
3. When there has been any violation of physical protection regulations;
4. When measures taken under a protection emergency plan are not adequate;
4–2. When the information system security regulations are violated;
5. When the regulations on physical protection, emergency protection plans, and information system security regulations need to be complemented;
6. When one fails to receive education under Article 9–2;
7. When one fails to implement a physical protection training as planned under Paragraph (1), Article 9–3 or one fails to revise the plan to follow the order set forth in Paragraph (3) of the same Article.

**Article 13** (Protection regarding International Transportation of Nuclear Materials)

Any person, who has not received assurances from the country concerned that nuclear materials being internationally transported will be protected according to the requirements of the Convention on the Physical Protection of Nuclear Materials and Nuclear Energy Facilities, shall not export or import nuclear materials to or from such country.

**Article 13–2** (International cooperation, etc.)

(1) When the Foreign Minister is informed of the performance or preparation of a crime under Article 47, he shall advise the relevant international organizations or states of such information pursuant to the International Convention on the Suppression of Nuclear Terrorism, Convention on the Physical Protection of Nuclear Materials and Nuclear Energy Facilities, or other international conventions or bilateral agreements when he believes the information has grounds and the degree of crime is objectively crucial.
(2) Notwithstanding Paragraph (1), the Foreign Minister may refrain from giving such notification under Paragraph (1) when he believes that such would violate other statutes or may harm the safety of the Republic of Korea or other states.

**Article 14** (Preparation and Maintenance of Records)

A nuclear licensee shall record matters pertaining to physical protection
of nuclear facilities, etc. as prescribed by the Ordinance of the Commission and maintain such records at each place of business.

Article 15 (Confidentiality, etc.)

Any members of the Protection Council (including local protection councils), government employees or related personnel, who are engaging in or have engaged in such affairs as provided in Articles 3 through 14 hereof, shall not divulge any confidential information regarding physical protection that they acquire in the course of performing such affairs, nor use such information for any purpose other than the enforcement of this Act.

Article 16 (Scope of Application)

Provisions in this chapter shall apply to domestic nuclear facilities, etc. that are used for peaceful purposes and nuclear materials being transported internationally from or to the Republic of Korea.

Chapter III Radiological Emergency Management Measures

Section 1 Radioactive Disaster Management and Response System

Article 17 (Types of Radiological Emergencies)

(1) Radiological emergencies of nuclear facilities, etc. are classified as: an alert, site area emergency and general emergency, according to the degree and situation of an accident.
(2) The standards for the types of radiological emergencies as provided in the foregoing Paragraph (1), response procedures by type of emergencies and other necessary matters shall be prescribed by the Presidential Decree.

Article 18 (Formulation of a National Radiological Emergency Plan, etc.)

(1) The Commission shall formulate a plan (hereinafter referred to as “National Radiological Emergency Plan”) related with affairs regarding radiological emergencies and radiological disasters (hereinafter referred to as “radiological disasters, etc.”) and submit such plan to the Prime Minister as prescribed by the Presidential Decree, and the Prime Minister shall finalize such plan based on deliberation by the Central Safety Committee as provided in Article 9 of the Framework Act on Management of Disaster and Safety and instruct the heads of the central administrative agencies concerned of such finalized plan.
(2) The Commission shall instruct a metropolitan city mayor/provincial governor and city mayor/county chief/district chief, who have competent jurisdiction over all or a part of an emergency planning zone, of the National Radiological Emergency Plan finalized according to the foregoing Paragraph (1).

(3) The Commission and the heads of the central administrative agencies concerned shall instruct the heads of designated institutions of matters delegated to them among the provisions of the National Radiological Emergency Plan.

Article 19 (Formulation of a Local Radiological Emergency Plan, etc.)

(1) A metropolitan city mayor/provincial governor and city mayor/county chief/district chief, who have competent jurisdiction over all or a part of an emergency planning zone, shall coordinate plans related to the control of radiological disasters, etc. at designated institutions in the area of their competent jurisdiction in accordance with the National Radiological Emergency Plan instructed as provided in Article 18 (2) hereof, and formulate metropolitan city/provincial radiological emergency plans and city/county/district radiological emergency plans (hereinafter referred to as “local radiological emergency plans”), respectively.

(2) A metropolitan city mayor/provincial governor and city mayor/county chief/district chief, who has formulated local radiological emergency plans, shall submit such plans to the Commission and give notice thereof to the heads of designated institutions in the area of their competent jurisdiction.

(3) The Commission may request the head of the local government concerned to rectify or supplement the local radiological emergency plan submitted as provided in the foregoing Paragraph (2) if it is deemed in his reasonable discretion, that such plan is not adequate to respond to and control radiological disasters, etc.

Article 20 (Radiological Emergency Plan of a Nuclear Licensee)

(1) In order to prepare for a possible radiological disaster, etc. at nuclear facilities, etc., a nuclear licensee shall formulate a radiological emergency plan (hereinafter referred to as “radiological emergency plan”) as prescribed by the Presidential Decree, and obtain approval thereof from the Commission prior to commencement of the use of nuclear facilities, etc., and the same shall apply when he intends to make any change thereto. Provided, that in cases where he intends to change any minor matters as determined by the Commission, he shall file a report thereof to the Commission.
(2) In those cases where a nuclear licensee intends to formulate or change a radiological emergency plan as provided in the foregoing Paragraph (1), he shall give prior notice thereof to the metropolitan city mayor/provincial governor, city mayor/county chief/district chief and heads of designated institutions who have competent jurisdiction over all or a part of an emergency planning zone. In such case, the relevant metropolitan city mayor/provincial governor, city mayor/county chief/district chief and heads of designated institutions may submit an opinion on the radiological emergency plan of the nuclear licensee to the Commission. Provided, that this shall not apply in cases where he intends to change any minor matters as determined by the Commission.

(3) In case of receiving a report pursuant to the proviso to paragraph (1), the Nuclear Safety and Security Commission shall review the content and receive the report if it conforms to the Act.

(4) Detailed standards for the formulation of a radiological emergency plan shall be prescribed by the Ordinance of the Prime Minister.

**Article 20-2 (Designation, etc., of radiation emergency plan zones)**

(1) The Commission shall publish areas that will provide a base for the designation of radiation emergency plan zones by type of nuclear energy facilities (“base areas”). In case nuclear energy facilities fall under power generation nuclear reactors or related facilities, they shall comply with the following standards:

1. Preventive protection action zones: Zones within a radius of 3 ~ 5 kilometers from the area where a power generation nuclear reactor or the related facilities are installed
2. Zones for planned emergency protective actions: Zones within a radius of 20 ~ 30 kilometers from the area where a power generation nuclear reactor or the related facilities are installed

(2) Nuclear energy facility operators shall designate zones for planned emergency protective actions considering the following in consultation with the competent mayor or provincial governor responsible based on the area published by the Commission:

1. Inherent characteristics of the area, including population distribution, road networks, and topographic features, and:
2. Effectiveness of emergency actions for the protection of the residents, etc., when a radiation emergency or a radioactivity disaster occurs at the relevant nuclear energy facilities.

(3) Nuclear licensee shall obtain approval from the Commission when planning to designate zones for radiation emergency plans. This shall also apply when they plan to modify or renounce them.

(4) Nuclear licensee shall reflect -- on their radiation emergency plans
under Article 20 -- the zones for radiation emergency plans as designated pursuant to Paragraph (2).

(5) The Presidential Decree shall set forth the regulations required for the publication by the Commission under Paragraph (1) and the consultation procedures pursuant to Paragraph (2).

**Article 21 (Obligations of a Nuclear Licensee, etc.)**

(1) A nuclear licensee shall take each of the following measures to prevent radiological disasters, etc., control the spread thereof and cope with such. Provided, that the provisions of the following Subparagraphs 2 and 6 shall not apply to any small-scale nuclear licensee as prescribed by the Presidential Decree:

1. In the event of a radiological emergency, submission of a report thereof to the Commission and the metropolitan city mayor/provincial governor and city mayor/county chief/district chief of competent jurisdiction in accordance with procedures set out in the relevant radiological emergency plan;
2. Installation/operation of an organization to prepare for potential radiological disasters, etc.;
3. Disclosure of information related to radiological disasters, etc. that have taken place;
4. Emergency actions to prevent the spread of a radiological accident, and radiological protection measures necessary to reduce radiation exposure of emergency action staff, etc.;
5. In the event of any request from the head of a local emergency management center as provided in Article 27 hereof and the head a designated institution, provision of such support as dispatch of radiological emergency staff, provision of technical advisory services and making available radiation measuring apparatus, etc.;
6. Procurement of manpower and organization dedicated to prepare for potential radiological disasters, etc.; and
7. Other matters prescribed by the Presidential Decree as measures deemed necessary to cope with radiological disasters, etc.

(2) Necessary matters as regards technical standards, etc. for the implementation of matters set out in each subparagraph of the foregoing Paragraph (1) shall be prescribed by the Ordinance of the Prime minister.

**Article 22 (Report of Radiological Accidents, etc.)**

(1) Any person, who detects a fire/accident of a vehicle/ship, etc. transporting radioactive materials or finds any radioactive materials or suspected radioactive materials at a place other than nuclear facilities, shall promptly make a report thereof to the Commission, local government, fire
station, police station, or a nearby military unit.
(2) The head of an institution other than the Commission who receives such report as provided in the foregoing Paragraph (1) shall promptly make a report thereof to the Commission.
(3) If a report as provided in the foregoing Paragraph (1) or the foregoing Paragraph (2) is made, a report or notice as prescribed in Article 19 of the Framework Act on Management of Disaster and Safety shall be deemed completed, respectively.

Article 22-2 (Emergency Measures)

(1) Where the Commission recognizes that emergency measures are required to protect the lives and health of people or the environment from a radiation accident, diffusion of radioactive contamination, or the risk thereof, it may take necessary measures for the removal of radioactive contamination sources, prevention of diffusion of radioactive contamination, or other purposes.
(2) The Commission may issue a request or order to central administrative agencies, designated institutions or relevant corporations or individuals for necessary cooperation with emergency measures under paragraph (1).
(3) Those so requested or ordered by the Commission pursuant to paragraph (2) shall comply therewith, unless extenuating circumstances exist.
(4) Those who take emergency measures under paragraph (1) shall carry a certificate indicating such authority and produce it to the individuals involved.
(5) The Commission shall limit the duties of those who take emergency measures under paragraph (1) to the required scope, so as not to unnecessarily restrict other persons’ rights or interrupt them in their legitimate duties.

Article 23 (Declaration and Report of a Radiological Disaster)

(1) In those cases where any of the following radiological disasters takes place, the Commission shall promptly declare that a radiological disaster has occurred:
   1. When the measured and assessed radiation exposure quantity is in excess of the standard prescribed by the Presidential Decree;
   2. When the measured ambient exposure rate or contamination level is in excess of the standard as prescribed by the Presidential Decree; and
   3. When the Commission acknowledges, in his reasonable discretion, that it is necessary to declare a radiological disaster.
(2) If the Commission declares a radiological disaster as provided in the foregoing Paragraph (1), he shall promptly report each of the following to the President through the Prime Minister:
1. Overview of the situation of a radiological disaster;
2. The area where an urgent response action for a radiological disaster must be executed; and
3. Details of the urgent response action regarding a radiological disaster.

**Article 24** (Notification of the Occurrence of a Radiological Disaster)

(1) If the Commission receives a report as provided in Article 21 (1) hereof or declares a radiological disaster as provided in Article 23 (1) hereof, he shall promptly give notice thereof to the institutions concerned in accordance with the National Radiological Emergency Plan.

(2) If the Commission declares a radiological disaster, he shall cause the metropolitan city mayor/provincial governor and city mayor/county chief/district chief of competent jurisdiction to immediately inform the residents in the area subject to or feared to be subject to a radiological impact of such radiological disaster so that they can take the necessary responsive measures, as prescribed by the Presidential Decree.

**Article 25** (Installation of the National Emergency Management Committee)

(1) The Commission shall set up the National Radiological Emergency Management Committee (hereinafter referred to as “National Management Committee”) under his authority in order to take urgent actions in relation to radiological emergency management.

(2) The head of the central headquarters (“central headquarters head” hereinafter) shall be the chair of the Nuclear Safety and Security Commission and the members of the central headquarters shall consist of the Vice Minister of Strategy and Finance, the Vice Minister of Education, the Vice Minister of Science, ICT and Future planning, the Vice Minister of Foreign Affairs, the Vice Minister of National Defense, the Vice Minister of Government Administration and Home Affairs, the Vice Minister of Agriculture, Food and Rural Affairs, the Vice Minister of Trade, Industry and Energy, the Vice Minister of Health and Welfare, the Vice Minister of Environment, the Vice Minister of Ministry of Land, Infrastructure and Transport, the Vice Minister of Oceans and Fisheries, the Vice Minister of Public Safety and Security, the Vice Minister of Government Policy Coordination, the Minister of Food and Drug Safety, the Commissioner
General of the Korean National Police Agency, the Administrator of the Korea Meteorological Administration, the division heads responsible for fire prevention or the coastal guard–related administrative service of the Ministry of Public Safety and Security, government employees of the central government agencies, and the heads of related entities and organizations as provided under the Presidential Decree.

(3) The National Management Committee shall have one (1) secretary, who shall be designated by the head of the National Management Committee among employees of the Commission.

(4) Matters necessary for the operation, etc. of the National Management Committee shall be prescribed by the Presidential Decree.

**Article 26 (Authority of the Head of National Management Committee)**

The head of the National Management Committee shall have each of the following authority to effectively cope with radiological disasters:

1. Command over the head of the off-site emergency management center as provided in Article 28 hereof;
2. Command over the heads of the radiological emergency technical advisory center and the radiological emergency medical service center as provided in Article 32 hereof;
3. Authority as the head of the National Management Committee as provided in Article 15 of the Framework Act on Management of Disaster and Safety; and
4. Other authorities as prescribed by the Presidential Decree to cope with radiological disasters.

**Article 27 (Installation of Local Emergency Management Centers)**

(1) The metropolitan city mayor/provincial governor and city mayor/county chief/district chief, who have competent jurisdiction over all or part of an emergency planning zone, shall respectively set up a metropolitan city/provincial emergency management center and city/county/district emergency management center (hereinafter referred to as “local management center”) when a report of a radiological emergency as provided in Article 21 (1) 1 hereof or a notice of a radiological disaster as provided in Article 24 (1) hereof is received.

(2) A metropolitan city mayor/provincial governor or a city mayor/county chief/district chief shall respectively serve as the head of the local management center (hereinafter referred to as “head of a local management center”) as provided in the foregoing Paragraph (1).

(3) Matters necessary for the composition/operation of the local
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management center shall be prescribed by the Presidential Decree.

Article 28 (Installation of Off-Site Emergency Management Center)

(1) The Commission shall set up an off-site emergency management center (hereinafter referred to as “off-site management center”) in an area adjacent to the place, where a nuclear power reactor and other nuclear facilities as prescribed by the Presidential Decree are located, for the purpose of rapid command and control of radiological disasters, etc. and collection and notification of disaster information.

(2) An employee of the Commission as designated by the Commission shall serve as the head of an off-site management center, and employees or officers of central administrative agencies, local governments and designated institutions (hereinafter referred to as “related officers”) as prescribed by the Presidential Decree shall be dispatched to such off-site management center.

(3) A joint public information center shall be set up and operated at the off-site management center in order to provide accurate and unified information on radiological disasters, etc. Provided, that a joint public information center shall be set up and operated at the city/county/district emergency management center until operation of the off-site management center is commenced.

(4) Matters necessary for the composition/operation and so forth of the off-site management center as provided in the foregoing Paragraph (1) and the joint public information center as provided in the foregoing Paragraph (3) shall be prescribed by the Presidential Decree.

Article 29 (Authority of the Head of the Off-Site Management Center)

(1) The head of an off-site management center shall have each of the following authority as regards coping with radiological disasters, etc.:

1. Command over the head of the city/county/district emergency management center in connection with radiological disasters, etc. as provided in Article 27 hereof;

2. Assignment of duties to related officers dispatched by central administrative agencies, local governments and designated institutions as provided in Article 28 (2) hereof;

3. Decisions on urgent public protective actions including sheltering, evacuation, restrictions on the ingestion of food and water, and distribution of iodine prophylaxis;

4. Decisions on the control of the carry-out of food, beverages, and agricultural, livestock and fishery products from an area in which a
radiological disaster, etc. has taken place or control of consumption thereof, and so forth;

5. Decisions on operation as provided in Article 40 through 42 of the Framework Act on Management of Disaster and Safety;

6. Decisions on operation of helicopter as provided in Article 51 (4) of the Framework Act on Management of Disaster and Safety; and

7. Radiation protection actions necessary for emergency rescue activities by the urgent rescue control center at the site of a radiological disaster as provided in Article 52 of the Framework Act on Management of Disaster and Safety.

(2) Related officers, who are dispatched to an off-site management center to engage in emergency management activities as provided in Article 28 (2) hereof, shall comply with the directions provided by the head of the off-site management center as provided in the foregoing Paragraph (1). Provided, that any person, who engages in urgent rescue activities at the site of a radiological disaster, shall comply with the directions from the commander or head of the city/county/district urgent rescue center as prescribed in Article 52 (1) of the Framework Act on Management of Disaster and Safety.

(3) Technical standards as regards the measures set forth in Subparagraphs 3, 4 and 7 of the foregoing Paragraph (1) and details of the Off-site command shall be prescribed by the Ordinance of the Prime minister.

**Article 30 (Off-Site Emergency Management Center Advisory Committee)**

(1) In those cases where the head of an off-site management center intends to make a decision in respect to such matters as set out in Subparagraphs 3, 4 and 5 of Article 29 (1) hereof, he shall base such decision on the opinions of the off-site emergency management center advisory committee (hereinafter referred to as the "advisory committee") comprising related officers from the relevant central administrative agencies, local governments and designated institutions. In such case, the head of the local management center shall implement such decision.

(2) Matters necessary for the composition/operation and so forth of the advisory committee shall be prescribed by the Presidential Decree.

**Article 31 (Reprimands, etc.)**

(1) The head of an off-site management center may provide a list of related officers, who failed to comply with the directions provided in the main clause of Article 29 (2) hereof or were negligent in performing their assigned duties, to the heads of the institutions to which such officers belong.
(2) The heads of the institutions who receive such notice as provided in the foregoing Paragraph (1) shall take appropriate measures including reprimanding those related officers.

Article 32 (Technical Support for Radiological Emergency Management, etc.)

(1) The Radiological Emergency Technical Advisory Center (hereinafter referred to as the “technical advisory center”) shall be organized under the command of the president of the Korea Institute of Nuclear Safety under the Korea Institute of Nuclear Safety Act in order to provide technical support necessary to cope with a radiological disaster when such a disaster takes place.

(2) The Radiological Emergency Medical Service Center (hereinafter referred to as “medical service center”) shall be set up under the command of the president of the Korea Institute of Radiological and Medical Sciences as provided in Article 13 (2) of the Act on Promotion of Utilization of Radiation and Radioisotopes in order to take medical actions for those who have been or are feared to be injured by radiation due to a radiological disaster.

(3) The head of the Korea Institute of Nuclear Safety referred to in paragraph (1) shall set up and operate an information system necessary for radiological impact assessments, etc. in preparation for radioactivity disasters, etc.

(4) The matters necessary for the composition and operation of the technical support division and medical support division, the establishment and operation of the information system pursuant to paragraph (1), etc. shall be prescribed by Ordinance of the Prime Minister.

Article 33 (Cancellation of a State of Radiological Disaster)

(1) The head of the National Management Committee may cancel a state of radiological disaster based on advice from the head of the technical advisory center, when such radiological disaster has been resolved.

(2) In those cases where the state of radiological disaster is cancelled in accordance with the foregoing Paragraph (1), the heads of the National Management Committee and local management center shall disband the National Management Committee and local management center.

Article 34 (Relations to Basic Civil Defense Plan, etc.)

(1) National Radiological Emergency Plans, metropolitan city/provincial radiological emergency plans or city/county/district radiological emergency
plans hereunder shall be respectively deemed the plans to deal with radiological disasters among the basic plans under Article 11 of the Framework Act on Civil Defense, metropolitan city/provincial plans under Article 13 thereof or city/county/district plans under Article 14 thereof.

(2) National Radiological Emergency Plans, metropolitan city/provincial radiological emergency plans or city/county/district radiological emergency plans hereunder shall be respectively deemed the plans to deal with radiological disasters among the national disaster management plans under Article 22 of the Framework Act on Management of Disaster and Safety, metropolitan city/provincial disaster management plans under Article 24 thereof or city/county/district disaster management plans under Article 25 thereof.

(3) The National Management Committee hereunder shall be regarded as the national disaster safety management committee under Article 14 of the Framework Act on Management of Disaster and Safety, and the local management center hereunder as the local disaster safety management committee under Article 16 thereof.

Section 2 Staying Alert against Radioactive Disasters

Article 35 (Radiological Disaster Response Facilities, etc.)

(1) A nuclear licensee shall secure facilities and equipment that fall under each of the following. Provided, that the provisions of the following Subparagraphs 4 and 5 shall not apply to a small-scale nuclear licensee as prescribed by the Presidential Decree:

1. Radiation or radioactivity monitoring facilities;
2. Radiation protection equipment;
3. Radioactivity decontamination facilities and equipment;
4. Facilities to monitor and assess the amount of radioactive materials released;
5. Emergency response facilities including the main control room, technical support center, operations support center and emergency operations facility;
6. Facilities for emergency communication with related institutions and alarms; and
7. Other facilities determined by the Commission as deemed necessary in his reasonable discretion, to cope with radiological disasters.

(2) As regards the standards for facilities and equipment as provided in the foregoing Paragraph (1), necessary matters shall be determined by the Ordinance of the Prime minister.
Article 36 (Radiological Emergency Training)

(1) Employees of a nuclear licensee, radiological emergency staff designated by metropolitan city mayor/provincial governor and city mayor/county chief/district chief who have competent jurisdiction over all or a part of an emergency planning zone, radiological emergency medical staff designated by the heads of primary and secondary radiological emergency medical institutions as provided in Article 39 (2) hereof and the employees of groups or institutions determined and publicly notified by the Commission shall undergo radiological emergency training conducted by the Commission as prescribed by the Presidential Decree.

(2) The Commission may designate an educational institution to take charge of such training as provided in the foregoing Paragraph (1).

(3) Matters necessary for the designation of radiological emergency staff and radiological emergency medical staff as provided in the foregoing Paragraph (1) shall be prescribed by the Presidential Decree.

Article 37 (Radiological Emergency Exercise)

(1) The Commission shall conduct a radiological emergency exercise involving the central administrative agencies concerned every five years as prescribed by the Presidential Decree.

(2) The metropolitan city mayor/provincial governor and city mayor/county chief/district chief, who have competent jurisdiction over all or a part of an emergency planning zone, shall conduct a radiological emergency exercise as prescribed by the Presidential Decree.

(3) A nuclear licensee shall formulate a radiological emergency exercise plan as prescribed by the Ordinance of the Prime minister and execute such plan with the approval of the Commission.

(4) The metropolitan city mayor/provincial governor and city mayor/county chief/district chief, who have competent jurisdiction over all or a part of an emergency planning zone, and a nuclear licensee shall report to the Commission the results of a radiological emergency exercises conducted as provided in the foregoing Paragraph (2) and Paragraph (3), respectively. In regard to such radiological emergency exercises conducted as provided in the foregoing Paragraphs (2) and (3), the Commission may evaluate the result of such exercises.

(5) The Commission may request or order the relevant metropolitan city mayor provincial governor, city mayor/county chief/district chief, heads of designated institutions and nuclear licensees to take necessary measures including complementation of a radiological emergency plan, if deemed necessary in his reasonable discretion, based on the results of a radiological
emergency exercise under the foregoing Paragraph (1) and evaluation as provided in the latter part of the foregoing Paragraph (4). In such case, the metropolitan city mayor/provincial governor, etc. who receive such request or order shall comply with the request or order and report the results thereof to the Commission.

Article 38 (Inspection)

(1) The Commission may inspect such matters as set forth in Article 21 and Articles 35 through 37 hereof with respect to a nuclear licensee;
(2) If the results of an inspection conducted in accordance with the foregoing Paragraph (1) fall under any of the following, the Commission may order the nuclear licensee concerned to make rectification thereof:
   1. When those matters set forth in each subparagraph of Article 21 (1) hereof fail to meet the standards as provided in Article 21 (2) hereof;
   2. When the facilities and equipment set forth in each subparagraph of Article 35 (1) hereof fail to meet the standards as provided in Article 35 (2) hereof;
   3. If any employee of a nuclear licensee fails to receive training on radiological disasters as provided in Article 36 (1) hereof; and
   4. Such radiological emergency exercise as provided in Article 37 (3) hereof is not conducted in accordance with an approved plan.

Article 39 (Establishment of a National Radiological Emergency Medical System)

(1) The government shall set up a national radiological emergency medical system in order to enhance medical capabilities regarding radiological emergencies such as providing emergency medical services to patients exposed to radiation.
(2) The national radiological emergency medical system as provided in the foregoing Paragraph (1) shall consist of the national radiological emergency medical service center (hereinafter referred to as “emergency medical center”) set up at the Korea Institute of Radiological and Medical Sciences as provided in Article 13-2 of the Act on Promotion of Utilization of Radiation and Radioisotopes and the primary and secondary radiological emergency medical institutions designated by the Commission by area on a nationwide basis.
(3) In respect of the functions/operation and designation standards of the emergency medical center and radiological emergency medical institutions under the foregoing Paragraph (2), support therefor and so forth, necessary matters shall be prescribed by the Presidential Decree.
**Article 40** (International Cooperation, etc.)

In the event of a radiological disaster, the Commission shall notify the International Atomic Energy Agency and related countries of the details of such radiological disaster and request emergency assistance, if necessary, under the Convention on Early Notification of a Nuclear Accident, Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency, other international conventions and bilateral agreements.

### Section 3 Follow-Up Measures, etc.

**Article 41** (Mid- to Long-Term Radiological Impact Assessment and Damage Restoration Plan, etc.)

(1) In dissolving a local management center according to Article 33 (2) hereof, the head of the local management center shall assess a mid- to long-term radiological impact on the area where a radiological disaster has occurred and formulate a restoration plan based on consultation with the head of the technical advisory center.

(2) In formulating a restoration plan as provided in the foregoing Paragraph (1), the head of a local management center shall engage in consultation with the head of the National Management Committee.

**Article 42** (Implementation of Post-Radiological Disaster Measures, etc.)

(1) If the state of radiological disaster is cancelled as provided in Article 33 hereof, a metropolitan city mayor/provincial governor, city mayor/county chief/district chief, head of a designated institution, nuclear licensee or the head of an institution in charge of coping with a radiological disaster shall formulate and implement posterior measures as prescribed by the Presidential Decree.

(2) Such posterior measures as provided in the foregoing Paragraph (1) shall include each of the following:

1. Investigation of radioactive material concentration or radiation dose in the area where a radiological disaster has occurred and other necessary areas;
2. Medical checkup of residents, etc., medical counseling in consideration of their psychological impact and other necessary medical services;
3. PR regarding the impact caused by radioactive materials and ways to overcome damage; and
4. Other matters as prescribed by the Ordinance of the Prime minister including those measures for the prevention of the spread of a radiological disaster and restoration from damage.

Article 43 (Disaster Investigation, etc.)

(1) In the event of a radiological disaster, the Commission may organize an investigative committee and conduct an investigation of such disaster jointly with the local government and nuclear licensee concerned.
(2) Those matters necessary for composition, operation and so forth of the investigation committee as provided in the foregoing Paragraph (1) shall be determined by the Presidential Decree.

Chapter IV Supplementary Provisions

Article 44 (Report, Inspection, etc.)

(1) The Commission may order to each of the following to file a report on their duties or to submit documents or complement submitted documents, or may provide guidance and supervision in regard of their duties, if deemed necessary in his reasonable discretion, for the enforcement hereof.
1. Metropolitan city mayor/provincial governor, city mayor/county chief/district chief;
2. Head of a designated institution;
3. Nuclear licensee;
4. Heads of the emergency medical center and radiological emergency medical institution as provided in Article 39 (2) hereof;
5. Head of an institution which performs affairs in connection with a physical protection or radioactivity disaster, and
6. Persons that handle nuclear materials among the internationally controlled materials as provided in Article 15 of the Nuclear Safety Act.
(2) When it falls under any case of the following, the Commission may cause employees of the Commission to inspect the place of business, documents, facilities and other necessary objects or make inquiries to the persons concerned, and collect a minimum amount of sample for such inspection, if deemed necessary in his reasonable discretion, for the prevention of a radiological disaster or if necessary to conduct inspections hereunder.
1. When it is necessary for the verification of such report or document as provided in the foregoing Paragraph (1);
2. When it is necessary for performance of the physical protection system or radioactivity disaster and
3. When it is necessary for the conduct inspections hereunder.
(3) In cases where there exists any violation of this Act, Convention on Physical Protection of Nuclear Material and Nuclear Facilities, Convention on Early Notification of a Nuclear Accident, Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency, other international conventions or bilateral agreements based on the results of such inspection and inquiry as provided in the foregoing Paragraph (2), the Commission may order the rectification thereof.
(4) Any person who performs such inspection and inquiry as provided in the foregoing Paragraph (2) shall carry an identification card displaying such authority and present such card to the persons concerned.

Article 45 (Entrustment of Duties)

(1) As prescribed by the Presidential Decree, the Commission may entrust to the Korea Atomic Energy Research Institute as provided in the Act on Establishment, Operation and Promotion of Government-sponsored Research Institutes in the Field of Science and Technology, Korea Institute of Radiological and Medical Sciences as provided in Article 13 (2) of the Act on Promotion of Utilization of Radiation and Radioisotopes, Korea Institute of Nuclear Safety as provided in the Korea Institute of Nuclear Safety Act, Korea Institute of Nuclear Non-Proliferation and Control as provided in the Nuclear Safety Act or other related professional institutions to perform each of the following functions, among the duties provided herein:
1. Assessment of threats against nuclear facilities, etc. according to Article 4 (1) hereof;
2. Deliberation related with approval according to Article 9 (1), Article 20 (1) and Article 37 (3) hereof;
3. Education under Article 9–2 (1) and Article 36 (1)
4. Assessment of training under Article 9–3 (2) and Article 37 (4)
5. Inspection under Article 12 (1) and Article 38 (1) hereof; and
(2) The Commission may collect the costs required to perform the duties provided under paragraph 1 from those who are reviewed, inspected, educated or assessed pursuant to the Items of paragraph 1 as provided under the Presidential Decree.
(3) Deleted.
(4) The officers and employees of an institution or a professional institution concerned performing the duties entrusted by the Commission in accordance with the foregoing Paragraph (1) shall be regarded government employees in
respect to application of penalties under the Criminal Act and other laws.

Article 46 (Assistance for Local Governments, etc.)

(1) The Commission may render necessary assistance in regard to the measures implemented by a local government for the prevention of any radiological disaster as provided in Articles 36 and 37 hereof and operation of a radiological emergency medical institution as provided in Article 39 (2) hereof.
(2) A metropolitan city mayor/provincial governor and city mayor/county chief/district chief, who have competent jurisdiction over an area where a nuclear power plant, disposal facilities, etc. are located, may apply a part of the subsidy granted under Article 13 of the Act on Assistance to Electric Power Plants—Neighboring Areas to purchase/manage the facilities, equipment, etc. necessary for training or exercise as provided in Article 36 (1) and Article 37 (2) hereof, as prescribed by the Presidential Decree.

Chapter V Penal Provisions

Article 47 (Penal Provisions)

(1) Any person, who has jeopardized the life/body of a person or property/environment by receiving, possessing, owning, storing, manufacture or use, transporting, reconstruction, disposing or dispersing radioactive materials, nuclear materials, nuclear explosion devices, radioactive material—dispersing devices, or radiation—discharging devices without legitimate authority, shall be punished by imprisonment for life or for not less than one (1) year.
(2) Punishment of any person, who has committed such crime as provided in Articles 329, 333, 347, 350 and 355 (1) of the Criminal Act in regard to radioactive materials, nuclear materials, nuclear explosion devices, radioactive material—dispersing devices, or radiation—discharging devices”, shall be assessed up to an additional half of the punishment provided in said Articles thereof.
(3) Any person, who has engaged in an act of sabotage and electronic intrusions, shall be punished by imprisonment for not less than one (1) year and not more than ten (10) years.
(4) Those who have forced individuals, corporations, public entities, international organizations, or states to commit acts without authority or who have committed any of the following to obstruct their exercise of authority shall be punished based on the following categorization:
1. Those who have used radioactive materials, nuclear materials, nuclear
explosion devices, radioactive material–dispersing devices, or radiation–discharging devices shall be sentenced to imprisonment with labor for two or more years, and:

2. Those who have committed acts of leaking radioactive materials by using or damaging nuclear energy facilities or facilities related to radioactive materials (meaning facilities or means for producing, storing, processing, disposing of, or transporting radioactive materials) shall be sentenced to life imprisonment or jail term of three or more years.

(5) Those who have threatened others by saying that they would commit a crime under Paragraph (1), (3) or (4) to harm the general public shall be sentenced to imprisonment of up to 7 years or fine of not more than 70 million won.

(6) Those who have organized an organization or a group for committing crimes under Paragraph (1) or Paragraphs (3) through (5), who have joined such organization or group, or who have performed activities as their member shall be punished based on the following categorization:

1. The ringleader shall be sentenced to capital punishment, life imprisonment, or jail term of 10 or more years.

2. The cadre members shall be sentenced to life imprisonment or jail term of seven or more years.

3. The other members shall be sentenced to imprisonment for two or more years.

(7) Those who have possessed or manufactured radioactive materials, nuclear materials, nuclear explosion devices, radioactive material–dispersing devices, or radiation–discharging devices under Paragraph (1) or Paragraphs (3) through (5) shall be sentenced to up to 10 years’ imprisonment.

(8) Any person, who has inflicted an injury upon another person by committing such crimes as provided in the foregoing Paragraph (1), (3) or (4) shall be punished by imprisonment for life or for not less than three (3) years. Any person, who has caused another person’s death by committing such crimes as provided in the foregoing Paragraph (1) or (3), shall be punished by death or imprisonment for life or for not less than five (5) years.

(9) Any person, who has attempted a crime as provided in the foregoing Paragraphs (1) through (4), shall be punished.

(10) Any person, who has prepared or conspired with the intent of committing a crime as set forth in the foregoing Paragraphs (1) through (3), shall be punished by imprisonment for not more than five (5) years. Provided, that if such person voluntarily surrenders, such punishment shall be mitigated or exempted.

Article 48 (Penal Provisions)
Any person, who falls under any of the following, shall be punished by imprisonment for not more than ten (10) years:
1. Any person who has exported or imported nuclear materials in violation of Article 13 hereof; and
2. Any person who has divulged confidential information or used such information for any purpose other than the designated purpose thereof in violation of Article 15 hereof.

Article 49 (Penal Provisions)

Any person, who falls under any of the following, shall be punished by imprisonment for not more than three (3) years or a fine of not more than thirty million (30,000,000) won:
1. Any person who has failed to obtain approval, or approval of change, in violation of the main clause of Article 9 (1), main clause of Article 20 (1) or Article 37 (3) hereof;
2. Any person who has failed to file a report or made a false report in violation of Article 11, Article 21 (1) 1, former part of Article 37 (4), latter part of Article 37 (5) or Article 44 (1) hereof; and
3. Any person who has not undergone inspection in violation of Article 12 (1) hereof or who has refused, obstructed or avoided inspection as provided in Article 38 (1) or Article 44 (2) hereof or made a false statement.

Article 50 (Penal Provisions)

Any person, who falls under any of the following, shall be punished by imprisonment of not more than one (1) year or a fine of not more than ten million (10,000,000) won:
1. Nuclear licensee who has violated an order as provided in Article 4 (3), Article 12 (2), former part of Article 37 (5), Article 38 (2), Article 44 (1) or Article 44 (3) hereof; and
2. Nuclear licensee who has failed to take emergency measures or radiological protection measures in violation of Article 21 (1) 4 hereof.

Article 51 (Joint Penal Provisions)

If the representative of a juridical person, or the agent, employee or any other worker of a juridical person or an individual commits such violation as prescribed in Article 49 or 50 hereof in connection with the affairs of said juridical person or individual, not only such violator shall be punished
accordingly, but the juridical person or individual shall be punished by a fine under the relevant Article. Provided, That this shall not apply where the juridical person or the individual has not neglected to pay due attention and supervision concerning the relevant business in order to prevent such violation.

**Article 52** (Fine for Negligence)

(1) Any person, who falls under any of the following, shall be punished by a fine for negligence of not more than ten million (10,000,000) won:
1. Any person who has failed to file a report or filed a false report in violation of the provisos of Article 9 (1) or Article 20 (1) hereof;
2. Any person who has failed to make records or made false records in violation of Article 14 hereof;
3. Any person who has formulated or changed a radiological emergency plan without giving notice thereof to the relevant metropolitan city mayor/provincial governor, city mayor/county chief/district chief and heads of designated institutions in violation of the former part of Article 20 (2) hereof; and
4. Nuclear licensee who has not secured a dedicated organization/manpower for radiological emergency management or radiological disaster response facilities and equipment in violation of Article 21 (1) 6 or Article 35 (1) hereof.

(2) The fine for negligence as provided in the foregoing Paragraph (1) shall be imposed and collected by the Commission, metropolitan city mayor/provincial governor or city mayor/county chief/district chief as prescribed by the Presidential Decree.
ADDENDA <Act No. 6873, May. 15, 2003>

Article 1 (Enforcement Date)

This Act shall enter into force nine months after the date of its promulgation.

Article 2 (Transitional Measures Concerning Previous Measures, etc.)

Any export or import of nuclear materials approved or permitted under the Atomic Energy Act or other related laws at the time this Act enters into force shall be deemed approved or permitted under this Act.

Article 3 (Transitional Measures Concerning Physical Protection Regulations)

The protection regulations, among the measurement control and physical protection regulations of the installer of a nuclear power reactor approved under Article 15–2 of the existing Atomic Energy Act (including those cases to which said Article apply mutatis mutandis according to Articles 32, 36, 56, 63 and 83 thereof) at the time this Act enters into force, shall be deemed the physical protection regulations under Article 9 (1) 2 of this Act until an approval of change thereof is obtained under this Act within three (3) months from the enforcement of this Act.

Article 4 (Transitional Measures Concerning Nuclear Licensee's Radiological Emergency Plan)

A radiological emergency plan submitted in accordance with Article 21 of the Atomic Energy Act at the time this Act enters into force shall be deemed a radiological emergency plan as provided in Article 20 (1) of this Act until an approval of change thereof is obtained under this Act within three (3) months from the enforcement of this Act.

Article 5 (Amendment of Other Laws)

(1) The Atomic Energy Act shall be amended as follows:

The title of Article 15–2, “Measurement Control and Physical Protection Regulations” shall be changed to “Regulation on Control and Accountancy” “measurement control and protection regulations (hereinafter referred to as “measurement control and protection regulations”)” as provided in the main clause of Paragraph (1) of the same Article to “measurement control regulations”, and “measurement control and protection regulations” and “to ensure proper measurement control and protection” as provided in Paragraph
(2) of the same Article to “measurement control regulations” and “for measurement control”, respectively.
“With respect to measurement control and protection” as provided in Article 16 (1) thereof shall be changed to “with respect to measurement control”, and “when he violates the measurement control and protection regulations” as provided in Paragraph (2) 2 of the same Article to “when he violates the measurement control regulations.”
“..., a radiation emergency plan and other documents prescribed by the Ordinance of the Prime minister” as provided in Article 21 (2) thereof shall be changed to “and the documents prescribed by the Ordinance of the Prime minister.”

“Matters, etc. concerning measurement control and protection” as provided in Article 23–2 (1) thereof shall be changed to “matters concerning measurement control”, and “when he has violated the measurement control and protection regulations” as provided in Paragraph (3) 2 of the same Article to “when he has violated the measurement control regulations.”

“Matters, etc. concerning measurement control and protection” as provided in Article 45 (1) thereof shall be changed to “matters concerning measurement control”, and “when he has violated the measurement control and protection regulations” as provided in Paragraph (2) 2 of the same Article to “when he has violated the measurement control regulations.”

“Matters, etc. concerning measurement control and protection” as provided in Article 59 (1) thereof shall be changed to “matters concerning measurement control”, and “when he has violated the measurement control and protection regulations” as provided in Paragraph (2) 2 of the same Article to “when he has violated the measurement control regulations.”

“Matters, etc. concerning measurement control and protection” as provided in Article 78 (1) thereof shall be changed to “matters concerning measurement control”, and “when he has violated the measurement control and protection regulations” as provided in Paragraph (2) 2 of the same Article to “when he has violated the measurement control regulations.”

(2) The Nuclear Liability Act shall be amended as follows:
“In related laws including the Disaster Management Act” as provided in Subparagraph 2 (b) of Article 2 thereof shall be changed to “in related laws including the Disaster Management Act or the Act for Physical Protection and Radiological Emergency.” “
ADDENDA <Act No. 7806, Dec. 30, 2005> (Atomic Energy Act)

Article 1 (Enforcement Date)

This Act shall enter into force six months after the date of its promulgation.

Article 2 through Article 4 Omitted.

Article 5 (Amendments to Other Acts)

The Act on Physical Protection and Radiological Emergency shall be partially amended as follows:
“Other related professional institutions” in Article 45 (1) other than the subparagraphs thereof shall be amended as "Korea Institute of Nuclear Nonproliferation and Control prescribed in the Atomic Energy Act and other related specialized institutions."

ADDENDA <Act No. 8077, Dec. 26, 2006> (Act on the Establishment, Operation and Fostering of Government-Funded Science and Technology Research Institutes, etc.)

Article 1 (Enforcement Date)

This Act shall enter into force three months after the date of its promulgation.

Article 2 through Article 5 Omitted.

Article 6 (Amendments to Other Acts)

The Act on Physical Protection and Radiological Emergency shall be partially amended as follows:
“Korea Atomic Energy Research Institute prescribed in the Korea Atomic Energy Research Institute Act” in Article 45 (1) other than the subparagraphs thereof shall be amended as “Korea Atomic Energy Research Institute prescribed in the Act on the Establishment, Operation and Fostering of Government-Funded Science and Technology Research Institutes, etc.”

Article 7 Omitted.
ADDENDA <Act No. 8078, Dec. 26, 2006>  
(Radiation and Radioisotope Use Promotion Act)

Article 1 (Enforcement Date)

This Act shall enter into force three months after the date of its promulgation.

Article 2 through Article 4  Omitted.

Article 5 (Amendments to Other Acts)

The Act on Physical Protection and Radiological Emergency shall be partially amended as follows:

“Affiliated hospital of the Korea Atomic Energy Research Institute prescribed in the provisions of Article 14 of the Korea Atomic Energy Research Institute Act” in Article 32 (2) and Article 39 (2) shall be amended as “Korea Institute of Radiological and Medical Sciences prescribed in the provisions of Article 13-2 of the Radiation and Radioisotope Use Promotion Act.”

“Korea Institute of Nuclear Safety prescribed in the Korea Institute of Nuclear Safety Act” in Article 45 (1)other than the subparagraphs of shall be amended as “Korea Institute of Radiological and Medical Sciences prescribed in Article 13-2 of the Radiation and Radioisotope Use Promotion Act and Korea Institute of Nuclear Safety prescribed in the Korea Institute of Nuclear Safety Act.”

ADDENDA <Act No. 8420, May 11, 2007>  
(Framework Act on Civil Defense)

Article 1 (Enforcement Date)

This Act shall enter into force on the date of its promulgation. <Proviso Omitted.>

Article 2 through Article 4  Omitted.

Article 5 (Amendments to Other Acts)

① The Act on Physical Protection and Radiological Emergency shall be partially amended as follows:

“Article 10 of the Framework Act on Civil Defense” in Article 34 (1) shall be amended as “Article 11 of the Framework Act on Civil Defense.”

② and ③Omitted.
Article 6 Omitted

ADDENDA <Act No. 8852, Feb. 29, 2008>
(Government Organization Act)

Article 1 (Enforcement Date)

This Act shall enter into force on the date of its promulgation: Provided, That・・・<Omitted.>・・・, among the Acts amended in accordance with Article 5 of the Addenda, the amendments to the Acts, which were promulgated before this Act enters into force, but the enforcement dates of which have yet to arrive, shall enter into force on the enforcement dates of the respective Acts.

Article 2 through Article 5 Omitted.

Article 6 (Amendments to Other Acts)

① through <140> Omitted.

<141> The Act on Physical Protection and Radiological Emergency shall be partially amended as follows:
“Minister of Science and Technology” in Article 2 (1) subparagraph 10 Item G, Article 4 (2) and (3), Article (1) and (2), the main sentence of and proviso to the parts other than the subparagraphs of Article 9 (1), Article 11, the parts other than the subparagraphs of Article 12 (1) and (2), Article 18 (1) through (3), Article 19 (2) and (3), the main sentence of and proviso to Article 20 (1), Article 20 (2), Article 21 (1) 1, Article 22 (1) and (2), the parts other than the subparagraphs of Article 23 (1), Article 23 (1) 3, the parts other than the subparagraphs of Article 23 (2), Article 24 (1) and (2), Article 25 (1) and (2), Article 28 (1), Article 35 (1) 7, Article 36 (1) and (2), Article 37 (1), preceding and following paragraphs of Article 37 (3) and (4), preceding and following paragraphs of Article 37 (5), the parts other than the subparagraphs of Article 38 (1) and (2), Article 39 (2), Article 40, Article 43 (1), Article 44 (1) through (3), the parts other than the subparagraphs of Article 45 (1), Article 45 (2) through (4), Article 46 (1) and Article 54 (2) shall be amended as “Minister of Education, Science and Technology.”

“Ordinance of the Ministry of Science and Technology” in the proviso to the parts other than the subparagraphs of Article 9 (1), Article 9 (2), Article 11, Article 12 (2) 2, Article 14, Article 20 (3), Article 21 (2), Article 29 (3), Article 32 (3), Article 35 (2), Article 37 (3) and Article 42 (2) 4 shall be amended as “Ordinance of the Ministry of Education, Science and Technology.”
“Ministry of Science and Technology” in Article 25 (3) shall be amended as “Ministry of Education, Science and Technology.”

“Vice Minister of Finance and Economy, Vice Minister of National Defense, Vice Minister of Interior, Vice Minister of Agriculture, Vice Minister of Commerce Industry and Energy, Vice Minister of Information and Communication, Vice Minister of Health and Welfare, Vice Minister of Environment, Vice Minister of Construction and Transportation, Vice Minister of Oceans and Fisheries, and Vice Minister of Planning and Budget,” in Article 5 (2) shall be amended as “Vice Minister of Economy and Finance, Vice Minister of National Defense, Vice Minister of the Interior and Safety, Vice Minister for Food, Agriculture, Forestry and Fisheries, Vice Minister of Knowledge Economy, Vice Minister for Health, Welfare and Family Affairs, Vice Minister of Environment, and Vice Minister of Land, Transport and Maritime Affairs.”

“Vice Minister of Finance and Economy, Vice Minister of National Defense, Vice Minister of Interior, Vice Minister of Agriculture, Vice Minister of Commerce Industry and Energy, Vice Minister of Information and Communication, Vice Minister of Health and Welfare, Vice Minister of Environment, Vice Minister of Construction and Transportation, Vice Minister of Oceans and Fisheries, and Vice Minister of Planning and Budget” in Article 25 (2) shall be amended as “Vice Minister of Economy and Finance, Vice Minister of National Defense, Vice Minister of the Interior and Safety, Vice Minister for Food, Agriculture, Forestry and Fisheries, Vice Minister of Knowledge Economy, Vice Minister for Health, Welfare and Family Affairs, Vice Minister of Environment, and Vice Minister of Land, Transport and Maritime Affairs.”

“Minister of Science and Technology among the public officials affiliated with the Ministry of Science and Technology” in Article 28 (2) shall be amended as “Minister of Education, Science and Technology among the public officials affiliated with the Ministry of Education, Science and Technology.”

<142> through <760> Omitted.

Article 7 Omitted.

ADDENDA <Act No. 9932, Jan. 18, 2010>
(Government Organization Act)

Article 1 (Enforcement Date)

This Act shall enter into force 2 months after the date of its promulgation.

<Proviso Omitted.>
**Article 2 and Article 3** Omitted.

**Article 4** (Amendments to Other Acts)

① through <86> Omitted.
<87> The Act on Physical Protection and Radiological Emergency shall be partially amended as follows:
"Vice Minister for Health, Welfare and Family Affairs" in Article 5 (2) and Article 25 (2) shall be amended as "Vice Minister for Health and Welfare."
<88> through <137> Omitted.

**Article 5** Omitted.

**ADDENDUM** <Act No. 10074, Mar. 17, 2010>

This Act shall enter into force on the date of its promulgation: Provided, That the amended provisions of Article 5 (2) and Article 25 (2) shall enter into force on March 19, 2010.

**ADDENDUM** <Act No. 10910, Jul. 25, 2011>

This Act shall enter into force three months after the date of its promulgation.

**ADDENDA** <Act No. 11715, Mar. 23, 2013>
(Act on the Establishment and Operation of the Nuclear Safety and Security Commission)

**Article 1** (Enforcement Date)

This Act shall enter into force on the date of its promulgation.

**Article 2 and Article 3** Omitted.

**Article 4** (Amendments to Other Acts)

① Omitted.
② The Act on Physical Protection and Radiological Emergency shall be partially amended as follows:
"Vice Minister of Economy and Finance, Vice Minister of Education, Science and Technology, Vice Minister of National Defense, Vice Minister of the Interior and Safety, Ministry for Food, Agriculture, Forestry and Fisheries,
Vice Minister of Knowledge Economy, Vice Minister of Health and Welfare, Vice Minister of Environment, Vice Minister of Land, Transport and Maritime Affairs” in Article 5 (2) shall be amended as “One person nominated by the institution in question among the general public officials belonging to the Senior Executive Service of the Ministry of Economy and Finance, Ministry of Science, ICT and Future Planning, Ministry of National Defense, Ministry of Security and Public Administration, Ministry of Agriculture, Food and Rural Affairs, Ministry of Trade, Industry and Energy, Ministry of Health and Welfare, Ministry of Environment, or Ministry of Land, Infrastructure and Transport, Ministry of Oceans and Fisheries or public officials who hold positions equivalent thereto [incl. ministerial-grade officers in the case of the Ministry of National Defense].”

“Prescribed by the Nuclear Safety and Security Commission” in the provisos to Article 20 (1) and (2) shall be amended as “prescribed by Ordinance of the Prime Minister.”

“Vice Minister of Education, Science and Technology” in Article 25 (2) shall be amended as “Vice Minister of Science, ICT and Future Planning and Vice Minister of Education,” “Vice Minister of Foreign Affairs and Trade” as “Vice Minister of Foreign Affairs,” “Vice Minister of the Interior and Safety” as “Vice Minister of Security and Public Administration,” “Ministry for Food, Agriculture, Forestry and Fisheries” as “Vice Minister of Agriculture, Food and Rural Affairs,” “Vice Minister of Knowledge Economy” as “Vice Minister of Trade, Industry and Energy,” and “Vice Minister of Land, Transport and Maritime Affairs” as “Vice Minister of Land, Infrastructure and Transport and Vice Minister of Oceans and Fisheries.”

“Rules of the Nuclear Safety and Security Commission” in the proviso to Article 9 (1), Article 9 (2), Article 11, Article 12 (2) 2, Article 14, Article 20 (3), Article 21 (2), Article 29 (3), Article 32 (3), Article 35 (2), Article 37 (3), and Article 42 (2) 4 shall be amended as “Ordinance of the Prime Minister.”

③ Omitted.

Article 5 Omitted.

ADDENDA <Act No. 11994, Aug. 6, 2013>
(Framework Act on the Management of Disasters and Safety)

Article 1 (Enforcement Date)

This Act shall enter into force six months after the date of its promulgation. <Proviso Omitted.>
Article 2 (Amendments to Other Acts)

① and ② Omitted.
③ The Act on Physical Protection and Radiological Emergency shall be partially amended as follows:
④ through ⑦ Omitted.

ADDENDA (Act No. 12665, May. 21, 2014)

Article 1 (Enforcement Date)

This Act shall enter into force on the day when three months have passed after its promulgation. Note, however, that the amended provisions under Item 9 of Article 2 (1) or Article 20–2 shall enter into force six months after the promulgation. The amended provisions under Article 48 shall enter into force on the day of the promulgation. Portions concerning the “International Convention on the Suppression of Nuclear Terrorism” and “Convention on the Physical Protection of Nuclear Materials and Nuclear Energy Facilities” among the amended provisions under Article 13, Article 13–2 (1), or Article 44 (3) shall enter into force on the day the International Convention on the Suppression of Nuclear Terrorism and the Convention on the Physical Protection of Nuclear Materials and Nuclear Energy Facilities become effective in the Republic of Korea.

Article 2 (Transitional measure concerning the designation of zones for radiation emergency plans)

Zones designated for radiation emergency plans under the previous provisions at the time the amended provisions under Article 2 (1) 9. or Article 20–2 have entered into force shall be treated as those designated under Article 20–2. Provided, however, that zones for radiation emergency plans shall be designated pursuant to this Act within six months of its enforcement.

ADDENDA <Act No. 12844, Nov. 19, 2014>
(Government Organization Act)

Article 1 (Enforcement Date)

This Act shall enter into force on the date of its promulgation: Provided,
That among the Acts amended in accordance with Article 6 of the Addenda, the amendments to the Acts, which were promulgated before this Act enters into force, but the enforcement dates of which have yet to arrive, shall enter into force on the enforcement dates of the respective Acts.

Article 2 through Article 5 Omitted.

Article 6 (Amendments to Other Acts)

① through <251> Omitted.

<252> The Act on Physical Protection and Radiological Emergency shall be partially amended as follows:
“Ministry of Security and Public Administration” in Article 5 (2) shall be amended as “Ministry of Government Administration and Home Affairs” and “Ministry of Oceans and Fisheries” as “Ministry of Oceans and Fisheries and Ministry of Public Safety and Security.”
“Vice Minister of Science, ICT and Future Planning, Vice Minister of Education, Vice Minister of Foreign Affairs, Vice Minister of National Defense, and Vice Minister of Security and Public Administration” in Article 25 (2) shall be amended as “Vice Minister of Education, Vice Minister of Science, ICT and Future Planning, Vice Minister of Foreign Affairs, Vice Minister of National Defense, and Vice Minister of Government Administration and Home Affairs,” and “Vice Minister of Oceans and Fisheries” as “Vice Minister of Oceans and Fisheries and Vice Minister of Public Safety and Security.”

<253> through <258> Omitted.

Article 7 Omitted.

ADDENDUM <Act No. 13077, Jan. 20, 2015>

This Act shall enter into force on three months after the date of its promulgation.

ADDENDUM <Act No. 13388, Jun. 22, 2015>

This Act shall enter into force on 1 January 2016.

ADDENDUM <Act No. 13544, Dec. 1, 2015>

This Act shall enter into force after six months from the date of its promulgation.
ADDENDA <Act No. 14609, Mar. 21, 2017> (Military Personnel Management Act)

Article 1 (Enforcement Date)

This Act shall enter into force on three months after the date of its promulgation. <Proviso Omitted.>

Article 2 (Amendments to Other Acts)

① through ⑰ Omitted.
⑱ The Act on Physical Protection and Radiological Emergency shall be partially amended as follows:

ADDENDA <Act No. 14839, Jul. 26, 2017> (Government Organization Act)

Article 1 (Enforcement Date)

① This Act shall enter into force on the date of its promulgation: Provided, That among the Acts amended in accordance with Article 5 of the Addenda, the amendments to the Acts, which were promulgated before this Act enters into force, but the enforcement dates of which have yet to arrive, shall enter into force on the enforcement dates of the respective Acts.

Article 2 through Article 4 Omitted.

Article 5 (Amendments to Other Acts)

① through <301> Omitted.
<302> The Act on Physical Protection and Radiological Emergency shall be partially amended as follows:
“Vice Minister of Science, ICT and Future Planning, Vice Minister of Foreign Affairs, Vice Minister of National Defense, Vice Minister of Government Administration and Home Affairs” in Article 25 (2) shall be amended as “Vice Minister of Science and ICT, Vice Minister of Foreign Affairs, Vice
Minister of National Defense, Vice Minister of the Interior and Safety” and “Vice Minister of Public Safety and Security, Vice Minister of the Office for Government Policy Coordination, the Minister of Food and Drug Safety, the Commissioner General of the Korean National Police Agency, the Administrator of the Korea Meteorological Administration, the head of the office of the Ministry of Public Safety and Security in charge of firefighting service, and the head of the office of the Ministry of Public Safety and Security in charge of coast guard services” as “Vice Minister of the Office for Government Policy Coordination, the Minister of Food and Drug Safety, the Commissioner General of the Korean National Police Agency, the Administrator of the National Fire Agency, the Administrator of the Korea Meteorological Administration, the Commissioner of the Korea Coast Guard, the head of the office of the Ministry of the Interior and Safety in charge of disaster and safety management service.”

<303> through <382> Omitted.

Article 6 Omitted.

ADDENDA <Act No. 15280, Dec. 19, 2017>

Article 1 (Enforcement Date)

This Act shall enter into force on the date of its promulgation: Provided, That the amended provisions of Article 32 (3) and (4) shall enter into force six months after the date of its promulgation.

Article 2 (Application Concerning the Processing of Reports)

The amended provisions of Article 20 (3) shall start being applied to the first report filed after this Act enters into force.
Enforcement Decree of the Act on Physical Protection and Radiological Emergency
Enforcement Decree of the Act on Physical Protection and Radiological Emergency

Presidential Decree No. 18341, Mar. 29, 2004  
Enforcement Date Mar. 29, 2004
Presidential Decree No. 18678, Jan. 15. 2005., Partial Amendment  
Enforcement Date Jan. 15, 2005
Presidential Decree No. 19124, Nov. 11. 2005., Partial Amendment  
Enforcement Date Nov. 11, 2005
Presidential Decree No. 19513, Jun. 12. 2006., Amendment by Other Act  
Enforcement Date Jul. 1, 2006
Presidential Decree No. 19583, Jun. 30. 2006., Partial Amendment  
Enforcement Date Jul. 1, 2006
Presidential Decree No. 19929, Mar. 16. 2007., Amendment by Other Act  
Enforcement Date Mar. 27, 2007
Presidential Decree No. 20740, Feb. 29. 2008., Amendment by Other Act  
Enforcement Date Feb. 29, 2008
Presidential Decree No. 22075, Mar. 15. 2010., Amendment by Other Act  
Enforcement Date Mar. 19, 2010
Presidential Decree No. 22647, Jan. 28. 2011., Amendment by Other Act  
Enforcement Date Jan. 28, 2011
Presidential Decree No. 23248, Oct. 25. 2011., Amendment by Other Act  
Enforcement Date Oct. 26, 2011
Presidential Decree No. 23237, Oct. 25. 2011., Amendment by Other Act  
Enforcement Date Oct. 26, 2011
Presidential Decree No. 24431, Mar. 23. 2013., Amendment by Other Act  
Enforcement Date Mar. 23, 2013
Presidential Decree No. 24760, Sep. 17. 2013., Amendment by Other Act  
Enforcement Date Sep. 17, 2013
Presidential Decree No. 25028, Dec. 24. 2013., Partial Amendment  
Enforcement Date Dec. 24, 2013
Presidential Decree No. 25751, Nov. 19. 2014., Amendment by Other Act  
Enforcement Date Nov. 19, 2014
Presidential Decree No. 25746, Nov. 19. 2014., Partial Amendment  
Enforcement Date Nov. 22, 2014
Presidential Decree No. 26140, Mar. 11. 2015., Amendment by Other Act  
Enforcement Date Mar. 11, 2015
Presidential Decree No. 26435, Jul. 24. 2015., Amendment by Other Act  
Enforcement Date Jul. 24, 2015
Presidential Decree No. 26761, Dec. 22. 2015., Partial Amendment  
Enforcement Date Jan. 1, 2016
Presidential Decree No. 26761, May. 31. 2016., Partial Amendment  
Enforcement Date Jun. 2, 2016
Presidential Decree No. 28211, Jul. 26. 2017., Amendment by Other Act  
Enforcement Date Jul. 26, 2017
Presidential Decree No. 30352, Jan. 14. 2020., Amendment by Other Act  
Enforcement Date Feb. 15, 2020
Chapter I General Provisions

Article 1 (Purpose)

The purpose of this Decree is to provide for matters delegated by the Act on Physical Protection and Radiological Emergency and matters necessary for the enforcement thereof.

Article 2 (Definition)

(1) Terms used herein are defined as follows:
1. “Protected zones” shall mean zones surrounded by physical barriers designed to protect radioactive materials or nuclear reactor facilities under Article 2 (1) 1 of the Act on Physical Protection and Radiological Emergency (“the Act” hereinafter)
2. “Core zones” shall mean zones set up in order to protect nuclear reactor facilities that may have an irrevocable radiation impact either directly or indirectly due to acts of sabotage in the protected zones.
3. The term “physical barrier” means a fence, wall or similar obstructions that prevent or delay infiltration and facilitate access control.

(2) Terms used herein other than those set forth in the Act and the foregoing Paragraph (1) shall have the same meanings as provided in the Nuclear Safety Act and the Presidential Decree thereof.

Article 3 (Nuclear Materials)

The “materials as prescribed by the Presidential Decree” provided in Article 2 (1) 1 of the Act mean any of the following materials:
1. Uranium 233 and compounds thereof;
2. Uranium 235 and compounds thereof;
3. Thorium and compounds thereof;
4. Plutonium (meaning the plutonium except for those of which the enrichment of plutonium 238 is in excess of 80 percent) and compounds thereof;
5. Materials containing not less than one of such materials as set forth in the foregoing Subparagraphs 1 through 4; and
6. Materials containing uranium and compounds thereof or thorium and compounds thereof other than those materials as set forth in the foregoing Subparagraphs 1 through 5.
Article 4 (Facilities Related to Use of Nuclear Energy)

The “other facilities related with the use of nuclear energy as prescribed by the Presidential Decree” in Article 2 (1) 2 of the Act mean any of the following facilities:
1. Related facilities of a nuclear power reactor or a nuclear reactor for research;
2. A nuclear reactor for educational purposes with the thermal output of not less than 100 watts and related facilities thereof;
3. A foreign nuclear-powered ship that enters or leaves a harbor of the Republic of Korea (meaning a ship owned by a person, who falls under any subparagraph of Article 31 (1) of the Nuclear Safety Act, with a nuclear reactor installed in it, excluding military ships); and
4. Facilities that produce, sell or use radioisotopes of not less than 18.5 petabecquerels.

Article 5 Deleted.

Article 6 (Other Nuclear Licensees)

The “persons as prescribed by the Presidential Decree” provided in Article 2 (1) 10 (i) of the Act mean those who have obtained a permit for the production, sale or use of radioisotopes of not less than 18.5 petabecquerels among those who have obtained a permit to produce, sell or use radioisotopes (hereinafter referred to as “production permit, etc.”) under Article 53 of the Nuclear Safety Act.

Chapter II Physical Protection of Nuclear Materials and Nuclear Facilities

Article 7 (Assessment of Threats and Establishment of a Physical Protection System)

(1) The Commission established under Article 3 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission (hereinafter referred to as the “Commission”) shall assess threats to nuclear facilities, etc. and formulate response standards by threat (hereinafter referred to as “threat response design standards”) every three (3) years in consideration of each of the following for the
implementation of physical protection policies as provided in Article 3 (1) of the Act. Provided, however, that:
1. Cause of threat;
2. Possibility of the occurrence of threat; and
3. Consequences of occurrence of threat.
(2) The Nuclear Safety and Security Commission shall set up a physical protection system for nuclear facilities, etc. by reflecting the threat response design standards formulated as provided in the foregoing Paragraph (1).
(3) The Commission may request assistance from the heads of central government agencies to efficiently assess the risks under paragraph 1. In such a case, the Commission shall request assistance from the director of the National Intelligence Service with priority for matters related to the prevention of electronic intrusions and the security of the computers and information systems of nuclear reactor facilities.
(4) The “public institutions, public groups and social groups as prescribed by the Presidential Decree” provided in Article 4 (3) of the Act mean any of the following institutions and groups (hereinafter referred to as “designated institutions”):
1. Metropolitan/provincial police agencies or police stations that have competent jurisdiction over all or a part of the emergency planning zone;
2. National 119 Rescue Service;
3. Fire defense headquarters and fire stations that have competent jurisdiction over all or a part of the emergency planning zone;
4. Offices of education that have competent jurisdiction over all or a part of the emergency planning zone;
5. The coastal guard and safety station that has jurisdiction over all or a part of a radiation emergency plan zone;
6. Regional meteorological offices that have competent jurisdiction over all or a part of the emergency planning zone;
7. Community health centers that have competent jurisdiction over all or a part of the emergency planning zone;
8. Military units that have competent jurisdiction over all or a part of the emergency planning zone as designated by the Minister of National Defense;
9. Korea Institute of Nuclear Safety under the Korea Institute of Nuclear Safety Act (hereinafter referred to as “Korea Institute of Nuclear Safety”);
10. Korea Institute of Radiological and Medical Sciences as provided in Article 13 (2) of the Act on Promotion of Utilization of Radiation and Radioisotopes (hereinafter referred to as “Korea Institute of Radiological and Medical Sciences”);
11. Korea Radioisotope Association organized with the permission of the Nuclear Safety and Security Commission in accordance with Article 32 of the Civil Act and the Act on the Establishment and Operation of Public-Service Corporations;
12. Korean National Red Cross under the Organization of the Korean National Red Cross Act; and
13. Other institutions and groups designated by the Nuclear Safety and Security Commission as deemed necessary in his reasonable discretion, for the establishment of the physical protection system.

(5) The “necessary measures as prescribed by the Presidential Decree” provided in Article 4 (3) of the Act mean any of the following:
1. Management of the installation/operation of facilities and equipment related with physical protection to effectively cope with threats to nuclear facilities, etc. (only in the case of nuclear licensees);
2. Operation of organizations and personnel related with physical protection to effectively cope with threats to nuclear facilities, etc. (only in the case of nuclear licensees);
3. Education and training for those who perform physical protection-related duties; and
4. Protective actions if the Nuclear Safety and Security Commission acquires information on specific threats to nuclear facilities, etc.

Article 8 (Duties of Chairman, etc.)

(1) The chairman of the Physical Protection Council of Nuclear Facilities, etc. (hereinafter referred to as the “Protection Council”) as provided in Article 5 (1) of the Act shall supervise the duties of, and represent, the Protection Council.
(2) In those cases where the chairman of the Protection Council cannot perform his duties for unavoidable reasons, a member thereof designated by the chairman in advance shall perform such duties.

Article 9 (Members of the Protection Council)

The “employees of the central administrative agencies or heads of the institutions/groups concerned as prescribed by the Presidential Decree” provided in Article 5 (2) of the Act mean any of the following:
1. 3rd grade officials or the same level employees of the National Intelligence Service as designated by the director of the National Intelligence Service;
2. President of the Korea Institute of Nuclear Nonproliferation and Control under the Article 6 of Nuclear Safety Act; and
3. has been deleted. <24, July, 2015>
Article 10 (Operation of the Protection Council)

(1) The Protection Council shall be convened when deemed necessary by the chairman thereof, in his reasonable discretion.
(2) The Protection Council shall make decisions with the presence of a majority of registered members thereof and the consent of a majority of the members present.
(3) The Protection Council shall have one (1) secretary nominated by the Chairperson of Nuclear Safety and Security Commission among the employees of the Nuclear Safety and Security Commission.
(4) Matters necessary for operation of the Protection Council other than those provided herein shall be determined by the chairman of the Protection Council based on a decision by the Protection Council.

Article 11 (Working-Level Protection Council)

(1) The Protection Council shall set up a working-level protection council under its command to seek efficient operation of the Protection Council including deliberation of agenda to be submitted to the Protection Council and coordination of cooperation among the institutions concerned.
(2) The Director level officials among those in charge of physical protection work in the Commission shall serve as the chairman of the working-level protection council (hereinafter referred to as “working-level protection council”) as provided in the foregoing Paragraph (1) and each of the following shall serve as the members thereof:
   1. Grade 3 government officials or ordinary government officials, respectively, who belong to a group of senior government officials, respectively nominated by the heads of the central administrative agencies to which the members of the Protection Council belong (including corresponding military officers in the case of the Ministry of National Defense); and
   2. One person respectively nominated by the heads of the institutions and groups concerned among the employees thereof as provided in Subparagraphs 2 and 3 of Article 9 hereof.
(3) The working-level protection council shall be convened when deemed necessary by the chairman thereof, in his reasonable discretion.
(4) Matters necessary for the organization and operation of the working-level protection council other than those provided in the foregoing Paragraphs (1) through (3) shall be determined by the chairman of the working-level protection council based on a decision by the working-level protection council.

Article 12 (Allowance, etc.)
Allowance and travel expenses may be paid to the members of the Protection Council or working-level protection council present in a meeting thereof within the scope of the budget thereof. Provided, that said provision shall not apply in cases where a member thereof, who is a government employee, attends such meeting in direct relation to his duties.

**Article 13** (Installation of Local Protection Council)

The “nuclear facilities, etc. as prescribed by the Presidential Decree” provided in Article 7 (1) of the Act mean any of the following facilities:

1. Nuclear power reactor and related facilities thereof;
2. Nuclear reactor for research with the output of not less than 2 megawatts, among nuclear reactors for research, and related facilities thereof; and
3. Storage and processing facilities of spent nuclear fuels and adjunct facilities thereof among the storage, processing and disposal facilities of radioactive wastes as provided in Subparagraph 18 of Article 2 of the Nuclear Safety Act.

**Article 14** (Composition and Operation of Local Protection Council)

(1) Each of the following shall serve as members of the metropolitan city/provincial protection council as provided in Article 7 (1) of the Act:

1. Administrative vice mayor/administrative vice governor of the relevant special metropolitan city/metropolitan city/province (hereinafter referred to as “metropolitan city/province”) (meaning the vice mayor I for administrative affairs in the case of the special metropolitan city);
2. Bureau chief in charge of physical protection of nuclear facilities, etc. of the relevant metropolitan city/province;
3. Branch head of the National Intelligence Service that has competent jurisdiction over the relevant metropolitan city/province;
4. Head of a metropolitan/provincial police agency that has competent jurisdiction over the relevant metropolitan city/province;
5. Regional commander of a military unit that has competent jurisdiction over all or a part of the relevant metropolitan city/province, as designated by the Minister of National Defense;
6. Head of a maritime police station that has competent jurisdiction over all or a part of the relevant metropolitan city/province; and
7. Heads of institutions/groups related with physical protection of nuclear facilities, etc. that have competent jurisdiction over all or a part of the relevant metropolitan city/province or those who have knowledge and experience regarding physical protection of nuclear facilities, etc. as
commissioned by the chairman of the metropolitan city/provincial protection council.
(2) Each of the following shall serve as members of the city/county/district protection council as provided in Article 7 (1) of the Act:
1. Deputy mayor/deputy chief of the relevant city/county or autonomous district (hereinafter referred to as "city/county/district");
2. Division chief in charge of physical protection of nuclear facilities, etc. of the relevant city/county/district (bureau chief if there exists a bureau);
3. Branch head of the National Intelligence Service that has competent jurisdiction over the relevant city/county/district;
4. Head of the police station that has competent jurisdiction over the relevant city/county/district;
5. Head of a military unit that has competent jurisdiction over all or a part of the relevant city/county/district as designated by the Minister of National Defense;
6. Head of the coastal guard and safety station that has jurisdiction over all or a part of the related city, county or district.; and
7. Heads of institutions/groups related with physical protection of nuclear facilities, etc. that have competent jurisdiction over all or a part of the relevant city/county/district or those who have knowledge and experience regarding physical protection of nuclear facilities, etc. as commissioned by the chairman of the city/county/district protection council.
(3) The chairman of the metropolitan city/provincial protection council and city/county/district protection council (hereinafter referred to as "local protection council") shall supervise the duties of, and represent, the local protection council.
(4) In those cases where the chairman of the local protection council cannot perform his duties for unavoidable reasons, a member thereof nominated in advance by the chairman shall perform such duties.
(5) The local protection council shall be convened when deemed necessary by the chairman thereof, in his reasonable discretion.
(6) The local protection council shall make decisions with the presence of a majority of registered members thereof and the consent of a majority of the members present.
(7) Allowance and travel expenses may be paid to the members of the local protection council present in a meeting thereof within the scope of the budget thereof. Provided, that said provision shall not apply in those cases where a member thereof, who is a government employee, attends such meeting in direct relation to his duties.
(8) Matters necessary for the operation of the local protection council other than those provided herein shall be determined by the chairman of the local protection council based on a decision by the local protection council.
Article 15 (Classification of Nuclear Materials by Grade)

Classification by grade of nuclear materials that are subject to physical protection as provided in Article 8 (1) of the Act shall be specified in the attached Table 1.

Article 16 (Protection Requirements of Nuclear Facilities, etc.)

The requirements in regard to physical protection of nuclear facilities, etc. (hereinafter referred to as the “protection requirements”) as provided in Article 8 (2) of the Act shall be specified in the attached Table 2.

Article 17 (Application for Approval of Physical Protection Regulations, etc.)

(1) Nuclear-energy related business operators who desire to obtain approval of their physical protection facilities, equipment, operation systems, physical security regulations, emergency protection plans, and information system security regulations under the main text of Article 9 (1) of the Act other than its items (“physical protection regulations etc.” hereinafter) shall submit their approval application to the Commission five months before starting to use the relevant nuclear energy facilities.

(2) To revise the physical protection regulations under the main text of Article 9 (1) of the Act, nuclear-energy related business operators shall submit to the Commission an application indicating the contents of and reason for the revision.

(3) To approve physical protection regulations or their revision under the main text of Article 9 (1) of the Act, the Commission shall consult the director of the National Intelligence Service before approving the regulations or their revision when the relevant nuclear energy facility is subject to security measurement or evaluation under Article 35 of the Security Service Regulations.

Article 17-2 (Education on Physical Protection)

(1) The education on physical protection under the Article 9-2 (1) shall be divided to new education and regular education

(2) The Commission shall provide with the education under Paragraph (1) per job of the trainee.

(3) Matters necessary for the contents and method of the education under Paragraphs (1) and (2) shall be provided for in the Ordinance of the Prime minister.
Article 18 (Inspection)

(1) Pursuant to Article 12 (1) of the Act, a nuclear licensee shall undergo each of the following inspections by the Nuclear Safety and Security Commission:

1. Initial inspection: Inspection of protection measures as regards the relevant nuclear facilities prior to carry-in of nuclear materials, radioactive material or radioactive wastes into the nuclear facilities; Provided, however, that the case where radioactive material is carried in for the purpose of non-destructive test (other than the proper purpose of the facilities) provided for in Article 2 of the Act on Promotion and Management of Technology for Non-destructive Test shall be excluded.

2. Regular inspection: Inspection of protection measures as regards the relevant nuclear facilities, etc. by place of business or site every two (2) years;

3. Transportation inspection: Inspection of protection measures as regards the relevant nuclear materials in cases where nuclear materials are to be transported to the relevant place of business from a place other than such place of business or to be transported to the relevant place of business by carrying in such materials into the country from a foreign nation; and

4. Special inspection: Inspection of physical protection as regards the relevant nuclear facilities, etc. in any of the following cases:
   a. If an accident related with physical protection occurs at nuclear facilities, etc.; and
   b. If approval of change of physical protection regulations, etc. is obtained in accordance with the main clause of Article 9 (1) of the Act other than each subparagraph thereof.

(2) In conducting an inspection as provided in Article 12 (1) of the Act, the Nuclear Safety and Security Commission may perform such inspection in alignment with a security measurement or security accident investigation as provided in Article 35 or 38 of the security operational regulations, if requested by the director of the National Intelligence Service.

(3) An application for an initial inspection or transportation inspection as provided in Subparagraph 1 or 3 of the foregoing Paragraph (1) shall be made at least fourteen (14) days prior to the commencement of carry-in or transport of the relevant nuclear materials.

(4) If the Nuclear Safety and Security Commission intends to conduct such inspections as set forth in Subparagraph 2 or 4 of the foregoing Paragraph (1), he shall notify the nuclear licensee of an inspection plan containing the list of inspectors, schedule and details of inspection and so forth at least ten
(10) days prior to the commencement of such inspection.
(5) Details as regards the method and so forth of such inspections as set forth in each subparagraph of the foregoing Paragraph (1) shall be determined by the Nuclear Safety and Security Commission.

Chapter III Radiological Emergency Management Measures

Section 1 Radiological Disaster Control and Response System

Article 19 (Standards Regarding Types of Radiological Emergencies, etc.)

The standards as regards the types of radiological emergencies and response procedures by type of emergencies as provided in Article 17 (2) of the Act shall be specified in the attached Table 3.

Article 20 (Formulation of a National Radiological Emergency Plan, etc.)

(1) The National Radiation Disaster Prevention Plans (“National Radiation Disaster Prevention Plans” hereinafter) under Article 18 paragraph 1 of the Act shall be developed every five years.
(2) The National Radiation Disaster Prevention Plans shall be developed in connection with the National Safety Control Master Plans under Article 22 paragraph 1 of the Framework Act on the Management of Disasters and Safety and shall include the following:
1. The policy objectives and basic directions of services related to radiation emergency and radiation disaster prevention (“radiation disaster, etc.” hereinafter).
2. Tasks of the radiation disaster, etc. prevention services.
3. Plans for investment in radiation disaster, etc. prevention services.
4. The agencies which the Nuclear Safety and Security Commission shall notify concerning radiation disasters, etc. and the relevant notification methods and procedures.
5. Other matters necessary for radiation disaster, etc. prevention services.
(3) The Nuclear Safety and Security Commission shall instruct the metropolitan city mayor/provincial governor and city mayor/county chief/district chief (meaning the head of an autonomous district; hereinafter the same shall apply), who have competent jurisdiction over all or a part of the emergency planning zone, of the
national radiological emergency plan instructed as provided in the foregoing Paragraph (2) by October 15 of each year.
(4) The Nuclear Safety and Security Commission and the heads of the central administrative agencies concerned shall instruct the heads of designated institutions, by October 15 of each year, of the matters delegated to them among the national radiological emergency plan instructed as provided in the foregoing Paragraph (2).

Article 20-2 (Development of National Radiation Disaster Prevention Action Plans)

(2) The Nuclear Safety and Security Commission shall develop the National Radiation Disaster Prevention Action Plans based on the time specified for the development and notification thereof under Article 27 paragraph 1 of the Enforcement Decree of the Framework Act on the Management of Disasters and Safety.

Article 21 (Development of Regional Radiation Disaster Prevention Plans)

(1) The Nuclear Safety and Security Commission shall prepare guidelines on the development of regional radioactive disaster prevention plans pursuant to Article 19 paragraph 1 of the Act based on the National Radiation Disaster Prevention Plan and the National Radiation Disaster Prevention Action Plan, and shall notify the Special Metropolitan City Mayor, Metropolitan City Mayors, Do Governors, the Governor of a Special Self-Governing Province (hereinafter referred to as “Mayor/Governor”) and the heads of cities, counties, and districts (referring to the head of autonomous districts) having jurisdiction over all or part of radiation emergency planning zones together with the National Radiation Disaster Prevention Action Plan.
(2) The mayors, governors, heads of cities, counties, and districts having jurisdiction over all or a part of the radiation emergency planning zones shall follow the National Radiation Disaster Prevention Plan, the National Radiation Disaster Prevention Action Plan, and the guidelines on the development of regional radiation disaster prevention plans as specified under paragraph 1 when they prepare their regional radiation disaster prevention plans pursuant to Article 19 paragraph 1 of the Act.
(3) The mayors, governors, and heads of cities, counties, and districts having jurisdiction over all or a part of the radiation emergency
planning zones shall prepare their regional radiation disaster prevention plans in accordance with the City and Provincial Safety Management Plans or the city, county and district safety management plans pursuant to Article 29 paragraph 3 of the Enforcement Decree of the Framework Act on the Management of Disasters and Safety.

(4) The mayors, governors, and heads of cities, counties, and districts having jurisdiction over all or a part of the radiation emergency planning zones shall submit their regional radiation disaster prevention plans developed pursuant to paragraph 3 to the Nuclear Safety and Security Commission, without delay.

Article 22 (Application for Approval of a Radiological Emergency Plan)

(1) Pursuant to Article 20 (1) of the Act, a nuclear licensee shall formulate a radiological emergency plan (hereinafter referred to as “radiological emergency plan”) containing each of the following and submit an application for approval thereof to the Nuclear Safety and Security Commission:

1. Matters related to the emergency planning zone of the relevant nuclear facilities;
2. Matters related to the organization and duties to prepare for a potential radiological disaster, etc.;
3. Matters related to procurement of radiological disaster response facilities and equipment as provided in Article 35 (1) of the Act;
4. Matters related to the detailed standards for radiological emergencies by type in consideration of the relevant nuclear facilities;
5. Matters related to response actions at the initial stage of an accident;
6. Matters related to response activities regarding a radiological disaster, etc.;
7. Matters related to restoration of a radiological disaster, etc.;
8. Matters related to radiological emergency training and exercise; and
9. Other matters deemed necessary by a nuclear licensee to be prepared for a potential radiological disaster, etc. at nuclear facilities, etc.

(2) If any nuclear licensee intends to change a radiological emergency plan as provided in the main clause of Article 20 (1) of the Act, he shall submit to the Nuclear Safety and Security Commission an application for approval of change stating the matters of and reasons for such change.

Article 22-2 (Procedure for consultation on radiation emergency plan zones)

(1) The Commission may publish the basic regions for setting up nuclear
emergency plan zones by nuclear facility pursuant to Article 20–2, paragraph 1 of the Act (“basic regions” hereinafter) by categorizing them based on the characteristics of the nuclear facilities, including their thermal output size.

(2) Nuclear facility operators shall submit the following data or information to the competent mayor/governor when intending to consult the mayor/governor responsible for the basic region in setting up a radiation emergency plan zone pursuant to Article 20–2, paragraph 2 of the Act:

1. Population distributed in the maximum radius of the relevant basic region from the point where the relevant nuclear facility is installed:
   a. Population in each division divided by 2 kilometers from the point where the relevant nuclear facility is installed after dividing the region into 16 directions from the due north of the point where the nuclear facility is installed [The population shall be computed by adding the population of each administrative district (referring to dong and ri under Article 3, paragraph 3 of the Local Autonomy Act; the same shall apply hereinafter) included in the divisions. When one administrative district spans several divisions, the population shall be computed in proportion to the area belonging to each division.]
   b. Population of administrative districts

2. Detailed map showing the administrative districts, road network, and topography, including mountains and rivers, within the maximum radius of the basic region from the point where the relevant nuclear facility is installed

3. Use and characteristics of the relevant nuclear facility, including thermal output size

(3) Notwithstanding paragraph 2, when the entire basic region of the relevant nuclear facility is included in its site, its operator may submit information that can prove the fact to the relevant mayor/governor instead of providing the information under paragraph 2.

(4) To obtain approval for the radiation emergency plan zone from the Commission pursuant to Article 20–2, paragraph 3 of the Act, the nuclear facility operator shall submit the information he/she submitted to the mayor/governor pursuant to paragraph 2 and information that can prove the outcome of the consultation.

**Article 23 (Small-Scale Nuclear Licensee)**

The “small-scale nuclear licensee as prescribed by the Presidential Decree” provided in the provisos of Article 21 (1) of the Act other than each subparagraph thereof and Article 35 (1) of the Act other than each subparagraph thereof means any of the following persons:
1. Nuclear licensee falling under Article 2 (1) 10 (c) of the Act who has obtained a permit to construct or operate a nuclear reactor for research of not more than 2 megawatts and related facilities thereof, and a nuclear reactor for educational purposes and related facilities thereof;
2. Nuclear licensee falling under Article 2 (1) 10 (e) of the Act who has obtained a permit to conduct a business of refining natural uranium and processing nuclear fuel materials, of which the enrichment of uranium 235 is less than 5 percent;
3. Nuclear licensee falling under Article 2 (1) 10 (f) of the Act who has been designated to conduct the spent nuclear fuel processing business for research or testing purposes;
4. Nuclear licensee falling under Article 2 (1) 10 (g) of the Act who has obtained a permit to use or possess nuclear fuel materials that fall under any of the following:
   a. Nuclear fuel materials, of which the enrichment of uranium 235 is not less than 5 percent and the weight is not more than 700 grams; and
   b. Nuclear fuel materials, of which the enrichment of uranium 235 is not more than 5 percent and the weight is not more than 1,200 grams.
5. Nuclear licensee falling under Article 2 (1) 10 (h) of the Act who has obtained a permit to construct/operate storage, processing and disposal facilities of radioactive wastes and adjunct facilities thereof, excluding those who have obtained a permit to construct/operate storage and processing facilities of spent nuclear fuels; and
6. Nuclear licensee who has obtained a production permit, etc. for radioisotopes of not more than 185 petabecquerels according to Article 53 of the Nuclear Safety Act.

**Article 24** (Obligations of Nuclear Licensee)

The “matters prescribed by the Presidential Decree” provided in Article 21 (1) 7 of the Act mean emergency measures taken for those contaminated by radioactivity or exposed to radiation due to a radiation disaster, etc. within the site of nuclear facilities and the employees of a nuclear licensee contaminated by radioactivity or exposed to radiation.

**Article 25** (Standards for Declaration of a Radiological Disaster)

(1) “The case which exceeds the criteria provided for in the presidential decree” in Article 25 (1) 7. of the Act shall mean those cases where
the radiation exposure quantity measurement or assessment on the boundary of the site of nuclear facilities falls under any of the following:
1. When the radiation exposure quantity is not less than 10 millisieverts per hour on the basis of whole-body dose; and
2. When the radiation exposure quantity is not less than 50 millisieverts per hour on the basis of thyroid dose.

(2) Those cases in which “the measured ambient exposure rate or contamination level is in excess of the standard as prescribed by the Presidential Decree” provided in Article 23 (1) 2 of the Act mean those cases where the measured ambient exposure rate or contamination level on the boundary of the site of nuclear facilities is not less than 1 roentgen per hour.

**Article 26** (Notification of and Response to Radiological Disasters)

(1) The Nuclear Safety and Security Commission shall cause the metropolitan city mayor/provincial governor and city mayor/county chief/district chief of competent jurisdiction to notify each of the following to the residents in an area which has been subjected to or is feared to be subjected to a radiological impact as provided in Article 24 (2) of the Act:
1. Overview of a radiological disaster including the status of the accident at nuclear facilities, etc.; and
2. Area where urgent response actions against a radiological disaster must be implemented.

(2) The metropolitan city mayor/provincial governor and city mayor/county chief/district chief of competent jurisdiction shall take each of the following responsive measures in accordance with Article 24 (2) of the Act:
1. Dissemination to the residents of information on course of action in order to prevent damage arising from a radiological disaster; and
2. Execution of decisions under Subparagraphs 3 and 4 of Article 29 (1) of the Act.

**Article 27** (Composition of National Emergency Management Committee)

The “employees of the central administrative agencies or heads of the institutions/groups concerned as prescribed by the Presidential Decree” provided in Article 25 (2) of the Act mean any of the following persons:
1. President of the Korea Institute of Nuclear Safety;
2. Head of the Korea Institute of Radiological and Medical Sciences; and
3. Heads of related institutions/groups commissioned by the head of the National Emergency Management Committee (hereinafter referred to as
the “National Management Committee”) as acknowledged necessary for conducting urgent response actions as regards radiological emergency management under Article 25 (1) of the Act.

**Article 28** (Operation of National Management Committee)

(1) The head of the National Management Committee (hereinafter referred to as “head of the National Management Committee”) shall represent the National Management Committee and supervise the affairs thereof.

(2) If deemed necessary for urgent response actions as regards radiological emergency management, the head of the National Management Committee may convene a meeting of the members of the National Management Committee as provided in Article 25 (2) of the Act.

(3) Any of the following matters shall be subject to the decision of a meeting of the National Management Committee as provided in the foregoing Paragraph (2):

1. Urgent actions concerning an area where a radiological disaster has occurred;

2. Urgent assistance for public protection; and

3. Matters submitted by the head of the National Management Committee to such meeting as deemed necessary in carrying out urgent response actions as regards radiological emergency management.

**Article 29** (Composition and Operation of Local Management Center, etc.)

(1) In order to assist the heads of the metropolitan city/provincial emergency management center and city/county/district emergency management center (hereinafter referred to as “local management center”) as provided in Article 27 (1) of the Act, such center shall have two (2) deputy heads, who shall be the heads of designated institutions commissioned by the deputy chiefs [meaning administrative vice mayor/administrative vice governor in the case of a metropolitan city/province (meaning the vice mayor II for administrative affairs in the case of the special metropolitan city)] and the head of a designated institutions commissioned by the head of a local emergency management center (hereinafter referred to as “head of a local management center”).

(2) A local management center shall have its own members, who shall be designated by the head of the local management center among the employees of the local government concerned and dispatched by designated institutions.

(3) The head of a local management center shall determine, in advance, the composition method thereof by type of radiological emergencies according to Article 19 hereof.
(4) The head of a local management center may set up and operate working-level units by function necessary for coping with a disaster.  
(5) Matters necessary for the composition and operation of a local management center, other than those set forth herein, shall be determined by the head of a local management center in the relevant area.

Article 30 (Composition and Operation of Off-site Emergency Management Center, etc.)

(1) The “other nuclear facilities as prescribed by the Presidential Decree” as provided in Article 28 (1) of the Act mean any of the following facilities:
1. Nuclear reactors for research with the thermal output of not less than 2 megawatts and related facilities thereof, among nuclear reactors for research as provided in Article 2 (1) 2 of the Act; and
2. Storage and processing facilities of spent nuclear fuels and adjunct facilities thereof, among storage, processing and disposal facilities of radioactive wastes as provided in Article 2 (1) 2 of the Act.

(2) The “central administrative agencies, local governments and designated institutions as prescribed by the Presidential Decree” provided in Article 28 (2) of
1. Ministry of Education;
2. Ministry of Science, ICT and Future Planning;
4. Ministry of Government Administration and Home Affairs;
5. Ministry of Culture, Sports and Tourism;
6. Ministry of Trade, Industry and Energy;
7. Ministry for Health and Welfare;
7–2. Ministry of Gender Equality and Family;
7–3. Ministry of Land, Transport and Maritime Affairs;
7–4. Ministry of Oceans and Fisheries;
7–5. Ministry of Public Safety and Security;
7–6. Ministry of Food and Drug Safety;
8. Nuclear Safety and Security Commission
9. Metropolitan city/province that has competent jurisdiction over all or a part of the emergency planning zone;
10. City/county/district that has competent jurisdiction over all or a part of the emergency planning zone; and
11. Designated institutions as provided in Article 7 (3) hereof.

(3) The head of the off-site emergency management center (hereinafter referred to as “off-site management center”) as provided in Article 28 (1) of
the Act may set up and operate working-level units by function necessary for rapid command and control of a radiation disaster, etc. and swift collection and notification of disaster information.

**Article 31** (Joint Public Information Center)

The head of the joint public information center as provided in the main clause of Article 28 (3) of the Act shall be designated by the head of the off-site management center among related officers dispatched under Article 28 (2) of the Act. Provided, that a person designated by the head of the city/county/district emergency management center shall serve as such, until operation of the off-site management center.

**Article 32** (Off-site Emergency Management Center Advisory Committee)

The head of the off-site emergency management center advisory committee as provided in Article 30 (1) of the Act shall serve as the head of the off-site management center, and its members shall consist of those designated by the head of the off-site management center by field among the government employees or officers dispatched to the off-site management center as provided in Article 28 (2) of the Act.

### Section 2 Maintenance of Preparedness against Radiological Disasters

**Article 33** (Radiological Emergency Training)

(1) Radiological emergency training as provided in Article 36 (1) of the Act shall be classified into new and supplementary training.

(2) In conducting such training as provided in the foregoing Paragraph (1), the Nuclear Safety and Security Commission shall implement such training by duty of trainees including fire containment, emergency rescue, radiological disaster control, radiological emergency medical service and public protection.

(3) Necessary matters as regards the details, methods and so forth of training as provided in the foregoing Paragraphs (1) and (2) shall be prescribed by the Ordinance of the Nuclear Safety and Security Commission.

**Article 34** (Designation of Radiological Emergency Staff, etc.)
(1) Upon designation of the radiological emergency staff or radiological emergency medical staff, the metropolitan city mayor/provincial governor and city mayor/county chief/district chief who have competent jurisdiction over all or a part of an emergency planning zone or the heads of primary and secondary radiological emergency medical institutions as provided in Article 36 (1) of the Act shall submit the list thereof to the Nuclear Safety and Security Commission. The same shall apply when there is a change in such staff.

(2) The metropolitan city mayor/provincial governor and city mayor/county chief/district chief, who have competent jurisdiction over all or a part of an emergency planning zone, shall preferentially designate the employees thereof, who have the necessary expertise for radiological emergency management activities, as radiological emergency staff, as provided in Article 36 (3) of the Act.

Article 35 (Radiological Emergency Exercise)

(1) The Nuclear Safety and Security Commission shall formulate a radiological emergency exercise plan necessary for the implementation of a radiological emergency exercise as provided in Article 37 (1) of the Act.

(2) Upon formulation of a radiological emergency exercise plan as provided in the foregoing Paragraph (1), the Nuclear Safety and Security Commission shall notify or instruct the heads of the central administrative agencies concerned, metropolitan city mayor/provincial governor and city mayor/county chief/district chief who have competent jurisdiction over all or a part of an emergency planning zone, heads of designated institutions and nuclear licensees, who are required to be involved in a radiological emergency exercise, of such plan.

(3) The mayor/governor or heads of si, gun, or gu who are required to perform a radioactivity protection drill pursuant to Article 37 (2) of the Act shall conduct the drill based on the following guidelines (in such case, the heads of si, gun, or gu shall submit 45 days in advance their plans for the radioactivity protection drill to the mayor/governor, who in turn shall submit a comprehensive city/provincial radioactivity protection plan to the Commission by compiling the plans one month in advance.

1. Radioactivity protection drill participated in by the designated agencies located in the relevant district and the nuclear facility operator: At least biennially
2. Intensive drills on specific areas among matters related to measures for protecting residents, including traffic control, dissemination of information to residents, indoor sheltering, evacuation, distribution of protective drugs, and operation of shelters: At least annually
(4) The Commission may partly adjust the radioactivity protection drill plans of metropolitan cities/provinces or cities, counties, or districts under paragraph (3), including the drill schedule, in consultation with mayors/governors as required to ensure efficient drill performance.

(5) The mayors, governors and heads of cities, counties, and districts may request the designated agencies or nuclear licensee located within their jurisdiction to participate in or perform drills and to undergo the relevant training under the subparagraphs of paragraph 3. Those who are thus requested shall comply with the request unless they have any specific justification for not doing so.

Article 36 (Establishment of National Radiological Emergency Medical System, etc.)

(1) The Nuclear Safety and Security Commission may request the heads of the central administrative agencies concerned to provide data on rescue/relief or public health/medical service, as necessary for the establishment of the national radiological emergency medical system as provided in Article 39 (1) of the Act.

(2) The Nuclear Safety and Security Commission shall formulate guidelines regarding operation of the national radiological emergency medical center and primary and secondary radiological emergency medical institutions as provided in Article 39 (2) of the Act and notify such guidelines to the heads of the national radiological emergency medical center as well as primary and secondary radiological emergency medical institutions.

(3) Functions of the national radiological emergency medical center and primary and secondary radiological emergency medical institutions as provided in Article 39 (3) of the Act and the standards for designation of the primary and secondary radiological emergency medical institutions shall be specified in the attached Table 4.

(4) Assistance that can be provided to the national radiological emergency medical center and primary and secondary radiological emergency medical institutions according to Article 39 (3) of the Act shall be as follows:

1. Training and exercise expenses for radiological emergency medical staff;
2. Medical equipment-facilities for radiological emergency medical service and operation/maintenance expenses thereof; and
3. Expenses for medical services in the event of a radiological emergency.
Section 3 Posterior Measures, etc.

Article 37 (Implementation of Post-Radiological Disaster Measures, etc.)

(1) Pursuant to Article 42 (1) of the Act, a city mayor/county chief/district chief, head of a designated institution, nuclear licensee and the head of an institution in charge of coping with a radiological disaster (excluding central administrative agencies; hereinafter referred to as “disaster control institution in charge” in this Article) shall respectively formulate posterior measures and submit such to the metropolitan city mayor/provincial governor.

(2) The metropolitan city mayor/provincial governor shall formulate general post-radiological disaster measures (hereinafter referred to as “general posterior measures” in this Article) by compiling the posterior measures submitted according to the foregoing Paragraph (1) based on consultation with the Nuclear Safety and Security Commission, and notify such measures to the city mayor/county chief/district chief, head of the designated institution, nuclear licensee and the head of the disaster control institution in charge.

(3) The metropolitan city mayor/provincial governor, city mayor/county chief/district chief, head of the designated institution, nuclear licensee and the head of the disaster control institution in charge shall respectively implement general posterior measures notified to them according to the foregoing Paragraph (2).

Article 38 (Composition and Operation of the Investigation Committee)

(1) The investigation committee (hereinafter referred to as the “investigation committee”) as provided in Article 43 (1) of the Act shall consist of not less than six (6) members and not more than nine (9) members including one (1) chairman.

(2) The chairman of the investigation committee shall be designated by the Chairperson of Nuclear Safety and Security Commission among the employees of the Nuclear Safety and Security Commission, and each of the following shall serve as members thereof:

1. One (1) person designated by the Chairperson of Nuclear Safety and Security Commission among the members of the Nuclear Safety and Security Commission;
2. One (1) employee of the relevant local government nominated by the head thereof;
3. One (1) employee of the relevant nuclear licensee nominated thereby; and
4. Persons commissioned by the Chairperson of Nuclear Safety and Security Commission among those with knowledge and experience regarding a radiological disaster.

(3) The investigation committee shall be convened when deemed necessary by the chairman thereof.

(4) Allowance and travel expenses may be paid to the members of the investigation committee present in a meeting thereof within the scope of the budget thereof. Provided, that said provision shall not apply in those cases where a member thereof, who is a government employee, attends such meeting in direct relation to his duties.

Chapter IV Supplementary Provisions

Article 39 (Reports and Inspections)

“Those prescribed by the Presidential Decree” provided in Article 44 (1) of the Act shall mean the president of the Korea Atomic Energy Research Institute as provided in the Act on Establishment, Operation and Promotion of Government-sponsored Research Institutes in the Field of Science and Technology.

Article 40 (Entrustment of Duties)

(1) The Commission shall entrust to the Korea Institute of Nuclear Non-Proliferation and Control to perform each of the following duties in accordance with Article 45 (1) of the Act:
1. Assessment of threats against nuclear facilities, etc. as provided in Article 4 (1) of the Act;
2. Review related with approval as provided in Article 9 (1) of the Act; and
4. Support of drill assessment pursuant to Article 9-3 paragraph 3 of the Act.
5. Inspection under Article 12 (1) of the Act.

(2) The Commission shall entrust to the Korea Institute of Nuclear Safety to perform each of the following duties as provided in accordance with Article 45 (1) of the Act:
1. Review related with approval as provided in Article 20 (1) (matters related to radiological emergency medical treatment shall be excluded) and Article 37 (3) of the Act;
2. Management of training as provided in Article 36 (1) of the Act (matters related to radiological emergency medical treatment shall be excluded):
3. Support of drill assessment pursuant to Article 37 paragraph 4 of the Act (excluding matters concerning the emergency treatment of radiation victims);
4. Inspection as provided in Article 38 (1) of the Act (matters related to radiological emergency medical treatment shall be excluded).

(3) The Commission shall entrust the Korea Institute of Radiological & Medical Sciences with the following services pursuant to Article 45 (1) of the Act:
1. Review concerning approval under Article 20 (1) of the Act (limited to those related to emergency radiation treatment)
2. Assistance in the evaluation of drills under Article 37 (4) (limited to those emergency radiation treatment)
3. Inspection under Article 38 (1) of the Act (limited to those emergency radiation treatment)

Article 40–2 (Standards for calculation of cost)

(1) Attached Table 4–2 shall provide the standards for calculation of the cost to be collected pursuant to paragraph 2 of the same Article ("cost" hereunder in this Article and Article 40–3) from those who are reviewed, inspected, educated or assessed pursuant to Article 45 (1) of the Act ("nuclear reactor facility operators etc." hereunder under this Article and Article 40–3).
(2) The Commission shall publicly announce the amount of expenses for the relevant year calculated pursuant to paragraph 1 and the details of calculation by no later than January 31 of the following year.
(3) The Commission shall consult with the Minister of Trade, Industry and Energy prior to revising the standards for calculation of the costs provided under paragraph 1.

Article 40–3 (Methods and time of payment of expenses)

(1) To collect the expenses, the Commission shall publicly notify nuclear energy–related business operators of the amount, calculation details, payment date and place to collect the expenses pursuant to Article 45 (2) of the Act.
(2) The nuclear energy–related business operators shall pay the expenses by the specified payment deadline by any of the following methods:
1. Payment in 12 equal installments: By the end of each month of the following year;
2. Payment in 4 equal installments: By January 31, April 30, July 31, and October 31 of the following year.
(3) The expenses may be paid in cash or by credit card, debit card, etc.
(4) Where any discrepancy occurs in the amount of expenses paid by a nuclear energy–related business operator due to a change, revocation etc. of the relevant duties, the Commission shall calculate the expenses as determined and publicly announced by the Commission to collect or refund the difference as the case may be.

Article 41 (Application of Subsidies)

According to Article 46 (2) of the Act, the metropolitan city mayors/provincial governors and city mayors/county chiefs/district chiefs, who have competent jurisdiction over the area where a nuclear power plant, disposal facilities, etc. are located, may apply the subsidy under the basic assistance program for the development of adjoining areas provided in accordance with Article 27 (1) of the Enforcement Decree of the Act on Assistance to Electric Power Plants–Neighboring Areas to the purchase/management of the facilities, equipment, etc. necessary for a radiological emergency training or exercise.

Article 42 (Criteria for imposition of fines for negligence)

Fines for negligence under Article 52 (1) of the Act shall be imposed as per Attached Table 5.
ADDENDA <No. 18341, Mar. 29, 2004>

Articles 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

Articles 2 (Transitional Measures concerning Application for Approval of Physical Protection Facilities, etc.)

A nuclear licensee, who is using nuclear facilities, etc. at the time when this Decree enters into force, shall submit to the Minister of Education, Science and Technology an application for the approval of physical protection facilities/equipment, operation system thereof and protection emergency plan as provided in Subparagraphs 1 and 3 of Article 9 (1) of the Act within three (3) months from enforcement of this Decree.

Articles 3 (Transitional Measures concerning Application for Approval of a Radiological Emergency Plan)

A nuclear licensee, who is using nuclear facilities, etc. at the time when this Decree enters into force (excluding such nuclear licensee that falls under Article 2 (1) 10 (b) of the Act), shall submit to the Minister of Education, Science and Technology an application for approval of a radiological emergency plan as provided in Article 22 (1) hereof within three (3) months from enforcement of this Decree.

Articles 4 (Amendment of Other Laws)

The Enforcement Decree of the Atomic Energy Act shall be amended as follows:
The title of Article 26–2 thereof, “(Measurement Control and Protection Regulations)” shall be changed to “(Measurement Control Regulations)”, and “measurement control and protection regulations” in the former part of the same Article to “measurement control regulations.”
The title of Article 26–3 thereof, “(Inspection of Measurement Control and Protection of Specific Nuclear Materials)” shall be changed to “(Inspection of Measurement Control of Specific Nuclear Materials)”, and Paragraph (1) of the same Article be changed as follows:
(1) Any installer of a nuclear power reactor shall undergo an inspection of measurement control concerning facilities possessing specific nuclear materials under Article 16 (1) of the Act:
Article 26-3 (3) thereof shall be deleted, and “inspection of measurement control and protection” in Paragraphs (4) and (5) of the same Article be respectively changed to “inspection of measurement control”, and “measurement control and protection regulations” in Paragraph (6) of the same Article be changed to “measurement control regulations.”

“Contingency plan” in Subparagraph 10 of Article 42-3 thereof shall be changed to “ radiological emergency plan as provided in Article 20 of the Act on Physical Protection and Radiological Emergency.”

“Measurement control and protection regulations” in Subparagraphs 13 (a) through 13 (f) of the attached Table 10 shall be changed to “measurement control regulations”, and “measurement control and protection” in Subparagraphs 15 (a) through 15 (f) of the same Table be changed to “measurement control”, respectively.

**ADDENDUM** <No. 18678, Jan. 15, 2005>

This Decree shall enter into force on the date of its promulgation.

**ADDENDUM** <No. 19124, Nov. 11, 2005>

This Decree shall enter into force on the date of its promulgation.

**ADDENDA** <No. 19513, Jun. 12, 2006>

(Personnel Management Regulations of the Senior Executive Service)

**Article 1** (Enforcement Date)

This Decree shall enter into force on July 1, 2006.

**Article 2 and Article 3** Omitted.

**Article 4** (Amendments to Other Acts)

① through <159> Omitted.

<160>The Enforcement Decree of the Act on Physical Protection and Radiological Emergency shall be partially amended as follows:

“Grade 2 or Grade 3 public officials” in Article 11 (2) 1 shall be amended as “Grade 3 public officials or general-level public officials belonging to the Senior Executive Service.”

<161>through <241> Omitted.
ADDENDUM <No. 19583, Jun. 30, 2006>

This Decree shall enter into force on July 1, 2006.

ADDENDA <No. 19929, Mar. 16, 2007>
(Enforcement Decree of the Act on the Establishment, Operation and Fostering of Government-Funded Science and Technology Research Institutes, etc.)

Article 1 (Enforcement Date)

This Decree shall enter into force on March 27, 2007.

Article 2 Omitted.

Article 3 (Amendments to Other Acts)

1 through 7 Omitted.

8. The Enforcement Decree of the Act on Physical Protection and Radiological Emergency shall be partially amended as follows:

Article 7 (3) 10 shall be as follows:

10. Korea Institute of Radiological and Medical Sciences prescribed in Article 13-2 of the Radiation and Radioisotope Use Promotion Act (hereinafter referred to as “Korea Institute of Radiological and Medical Sciences”)

Article 27 subparagraph 2 shall be as follows:

2. Head of the Korea Institute of Radiological and Medical Sciences “Korea Atomic Energy Research Institute prescribed in the Korea Atomic Energy Research Institute Act (hereinafter referred to as “Korea Atomic Energy Research Institute”) in Article 39 shall be amended as “Korea Atomic Energy Research Institute prescribed in the Act on the Establishment, Operation and Fostering of Government-Funded Science and Technology Research Institutes, etc.”

9 through 11 Omitted.

Article 4 Omitted.

ADDENDA <No. 20740, Feb. 29, 2008>
(Organization of the Ministry of Education, Science and Technology and Its Affiliated Institutions)
Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

Article 2 through Article 6 Omitted.

Article 7 (Amendments to Other Acts)

① through <95> Omitted.

<96> The Enforcement Decree of the Act on Physical Protection and Radiological Emergency shall be partially amended as follows:

“Minister of Science and Technology” in Article 5 (1) other than the subparagraphs thereof, Article 5 (3), the preceding and following paragraphs of Article 5 (1) other than the subparagraphs thereof, Article 7 (2), Article 7 (3) 11 and 13, Article 7 (4) 4, Article 10 (3), Article 17 (1) through (3), the parts of Article 18 (1) other than the subparagraphs thereof, Article 18 (2), (4) and (5), Article 20 (1), (3) and (4), Article 21, the parts of Article 22 (1) other than the subparagraphs thereof, Article 22 (2), the parts of Article 26 (1) other than the subparagraphs thereof, Article 33 (2), the preceding paragraph of Article 34 (1), Article 35 (1) and (2), the following paragraph of Article 35 (3), Article 36 (1) and (2), Article 37 (2), the parts of Article 38 (2) other than the subparagraphs thereof, Article 38 (2) 1 and 4, the parts of Article 40 (1) and (2) other than the subparagraphs thereof, and Article 42 (1) shall be amended as “Minister of Education, Science and Technology.”

“Vice Minister of Science and Technology” in Article 11 (2) shall be amended as “Vice Minister of Education, Science and Technology.”

“Ministry of Science and Technology” in Article 10 (3) and Article 38 (2) other than the subparagraphs thereof shall be amended as “Ministry of Education, Science and Technology.”

“Ordinance of the Ministry of Science and Technology” in Article 33 (3) and Article 42 (4) shall be amended as “Ordinance of the Ministry of Education, Science and Technology.”

Article 30 (2) 1 through 7 shall be amended as follows and Article 30 (2) 7–2 shall be Newly inserted as follows:

1. Ministry of Education, Science and Technology;
3. Ministry of the Interior and Safety;
4. Ministry of Culture, Sports and Tourism;
5. Ministry of Knowledge Economy;
6. Ministry for Health, Welfare and Family Affairs;
7. Ministry of Gender Equality; Ministry of Land, Transport and Maritime Affairs. “Minister of Science and Technology” in the Note section of attached Table 2, subparagraph 1 of the White Emergency section for nuclear energy business operators in attached Table 3 subparagraph 2 Response Procedures by Radiation Emergency, and subparagraph 2 in the Secondary Radiation Emergency Medical Institutions and subparagraph 2 of Primary Radiation Emergency Medical Institutions in attached Table 4 subparagraph 1 National Radiation Medical Centers shall be amended as “Minister of Education, Science and Technology.”

ADDENDA <No. 22075, Mar. 15, 2010>
(Organization of the Ministry of Health and Welfare and Its Affiliated Institutions)

Article 1 (Enforcement Date)

This Decree shall enter into force on March 19, 2010. <Proviso Omitted.>

Article 2 (Amendments to Other Acts)

① through <112> Omitted. <113> The Enforcement Decree of the Act on Physical Protection and Radiological Emergency shall be partially amended as follows: Article 30 (2) 6 and 7 shall be as follows: 6. Ministry of Health and Welfare; 7. Ministry of Gender Equality and Family. <114> through <187> Omitted.

ADDENDA <No. 22647, Jan. 28, 2011>
(Organization of National Emergency Management Agency and Its Affiliated Institutions)

Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

Article 2 (Amendments to Other Acts)

① through ③ Omitted.
④ The Enforcement Decree of the Act on Physical Protection and Radiological Emergency shall be partially amended as follows:
Article 7 (3) 2 shall be as follows:
2. Central 119 Rescue Team;
⑤ and ⑥ Omitted.

ADDENDA <No. 23237, Oct. 25, 2011>
(Organization of the Nuclear Safety and Security Commission)

Article 1 (Enforcement Date)

This Decree shall enter into force on October 26, 2011.

Article 2 Omitted.

Article 3 (Amendments to Other Acts)

① and ② Omitted.
③ The Enforcement Decree of the Act on Physical Protection and Radiological Emergency shall be partially amended as follows:
“Minister of Education, Science and Technology” in Article 5 (1) other than the subparagraphs thereof shall be amended as “Nuclear Safety and Security Commission prescribed in Article 3 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission (hereinafter referred to as “Nuclear Safety and Security Commission” and “Minister of Education, Science and Technology” in the preceding paragraph of Article 5 (3) as “Nuclear Safety and Security Commission.”
“Minister of Education, Science and Technology” in the preceding and following paragraphs of Article 7 (1) other than the subparagraphs thereof and Article 7 (2) shall be amended as “Nuclear Safety and Security Commission,” “Minister of Education, Science and Technology” in Article 7 (3) 11 as “Nuclear Safety and Security Commission,” “Minister of Education, Science and Technology” in Article 7 (3) 13 as “Nuclear Safety and Security Commission,” “Minister of Education, Science and Technology” in Article 7 (4) 4 as “Nuclear Safety and Security Commission.”
“Ministry of Education, Science and Technology” and “Minister of Education, Science and Technology” in Article 10 (3) shall be amended as “Nuclear Safety and Security Commission” and “Chairperson of the Nuclear Safety and Security Commission,” respectively.
“Vice Minister of Education, Science and Technology” in Article 11 (2) other than the subparagraphs thereof shall be amended as “Vice Chairperson of the Nuclear Safety and Security Commission.” “Minister of Education, Science and Technology” in Article 7 (1) and (2) shall be amended as “Nuclear Safety and Security Commission” and “Minister of Education, Science and Technology” in Article 7 (3) as “Nuclear Safety and Security Commission.” “Minister of Education, Science and Technology” in Article 18 (1) other than the subparagraphs thereof shall be amended as “Nuclear Safety and Security Commission.” “Minister of Education, Science and Technology” in Article 18 (2) and (4) as “Nuclear Safety and Security Commission” and “Minister of Education, Science and Technology” in Article 18 (5) as “Nuclear Safety and Security Commission.” “Minister of Education, Science and Technology” in Article 20 (1) and (3) shall be amended as “Nuclear Safety and Security Commission” and “Minister of Education, Science and Technology” in Article 20 (4) as “Nuclear Safety and Security Commission.” “Minister of Education, Science and Technology” in Article 21 shall be amended as “Nuclear Safety and Security Commission.” “Minister of Education, Science and Technology” in Article 22 (1) other than the subparagraphs thereof and Article 22 (2) shall be amended as “Nuclear Safety and Security Commission.” “Minister of Education, Science and Technology” in Article 26 (1) other than the subparagraphs thereof shall be amended as “Nuclear Safety and Security Commission.” “Minister of Education, Science and Technology” in Article 33 (2) shall be amended as “Nuclear Safety and Security Commission” and “Ordinance of the Ministry of Education, Science and Technology” in Article 33 (3) as “Rules of the Nuclear Safety and Security Commission.” “Minister of Education, Science and Technology” in Article 34 (1) shall be amended as “Nuclear Safety and Security Commission.” “Minister of Education, Science and Technology” in Article 35 (1) and (2) shall be amended as “Nuclear Safety and Security Commission” and “Minister of Education, Science and Technology” in the paragraph following Article 35 (3) as “Nuclear Safety and Security Commission.” “Minister of Education, Science and Technology” in Article 36 (1) and (2) shall be amended as “Nuclear Safety and Security Commission.” “Minister of Education, Science and Technology” in Article 37 (2)
shall be amended as “Nuclear Safety and Security Commission.”
“Ministry of Education, Science and Technology” and “Minister of Education, Science and Technology” in Article 38 (2) other than the subparagraphs thereof shall be amended as “Nuclear Safety and Security Commission,” and “Chairperson Nuclear Safety and Security Commission,” respectively, “Nuclear Safety and Security Commission according to the provisions of Article 5 of the Atomic Energy Act” and “Minister of Education, Science and Technology” in Article 38 (2) 1 shall be amended as “Nuclear Safety and Security Commission” and “Chairperson Nuclear Safety and Security Commission,” respectively, and “Minister of Education, Science and Technology” in Article 38 (2) 4 shall be amended as “Chairperson Nuclear Safety and Security Commission.”
“Minister of Education, Science and Technology” in Article 40 (1) and (2) other than the subparagraphs thereof shall be amended as “Nuclear Safety and Security Commission.”
“Minister of Education, Science and Technology” in Article 42 (1) shall be amended as “Nuclear Safety and Security Commission” and “Ordinance of Ministry of Education, Science and Technology” in Article 42 (4) as “Rules of the Nuclear Safety and Security Commission.”
“Minister of Education, Science and Technology” in attached Table 2 Note shall be amended as “Nuclear Safety and Security Commission.”
“Minister of Education, Science and Technology” in subparagraph 1 of the White Emergency section of attached Table 3 subparagraph 2 shall be amended as “Nuclear Safety and Security Commission” and the Minister of Science and Technology section in attached Table 3 subparagraph 2 shall be amended as follows:

| Nuclear Safety and Security Commission |

“Minister of Education, Science and Technology” in subparagraph 2 of the Functions section in attached Table 4 subparagraph 1 Secondary Radiation Emergency Medical Institutions shall be amended as “Nuclear Safety and Security Commission” and “Minister of Education, Science and Technology” in subparagraph 2 of the Functions section in attached Table 4 subparagraph 1 Primary Radiation Emergency Medical Institutions shall be amended as “Nuclear Safety and Security Commission.”
④ Omitted.

**ADDENDA <No. 23248, Oct. 25, 2011>**
(Enforcement Decree of the Nuclear Safety Act)
Article 1 (Enforcement Date)

This Decree shall enter into force on October 26, 2011.

Article 2 Omitted.

Article 3 (Amendments to Other Acts)

① through ④ Omitted.
⑤ The Enforcement Decree of the Act on Physical Protection and Radiological Emergency shall be partially amended as follows:
“Atomic Energy Act and the Enforcement Decree of the Act” in Article 2 (2) shall be amended as “Nuclear Safety Act and Enforcement Decree of the Act.”
“1 of subparagraphs of Article 34 (1) of the Atomic Energy Act” in Article 4 (3) shall be amended as “any one of the subparagraphs of Article 31 (1) of the Nuclear Safety Act.”
“By the provisions of Article 65 of the Atomic Energy Act” in Article 6 shall be amended as “in accordance with Article 53 of the Nuclear Safety Act.”
Article 9 subparagraph 2 shall be as follows:
2. The president of the Korea Institute of Nuclear Nonproliferation and Control in accordance with Article 6 of the Nuclear Safety Act “By the provisions of Article 2 subparagraph 18 of the Atomic Energy Act” in Article 13 subparagraph 3 shall be amended as “in accordance with Article 2 subparagraph 18 of the Nuclear Safety Act.”
“By the provisions of Article 65 of the Atomic Energy Act” in Article 23 subparagraph 6 shall be amended as “in accordance with Article 53 of the Nuclear Safety Act.”
“Atomic Energy Act” in Article 40 (1) other than the subparagraphs thereof shall be amended as “Article 6 of the Nuclear Safety Act.”
⑥ through ⑪ Omitted.

Article 4 Omitted.

ADDENDA <No. 24431, Mar. 23, 2013>
(Organization of the Nuclear Safety and Security Commission)

Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.
Article 2 Omitted.

Article 3 (Amendments to Other Acts)

1. Omitted.
2. The Enforcement Decree of the Act on Physical Protection and Radiological Emergency shall be partially amended as follows:
   The title “Enforcement Decree of the Act on Physical Protection and Radiological Emergency” shall be amended as “Enforcement Decree of the Act on Physical Protection and Radiological Emergency.”
   “Presidential Decree shall” in Article 9 other than the subparagraphs thereof shall be amended as “by Presidential Decree” and “vice minister−grade public officials” in Article 9 subparagraph 1 shall be amended as “Grade 3 public officials or public officials with equivalent positions thereto.”
   “Vice Chairperson of the Nuclear Safety and Security Commission” in Article 11 (2) other than the subparagraphs thereof shall be amended as “director general−grade public official in charge of tasks related to physical protection among the public officials affiliated with the Nuclear Safety and Security Commission” and “Grade 3 public officials or general public officials belonging to the Senior Executive Service (incl. officers with equivalent positions thereto in the case of the Ministry of National Defense)” in Article 11 (2) 2 shall be amended as “directors or public officials with equivalent positions thereto [incl. field officers with equivalent positions thereto in the case of Ministry of National Defense].”
   “Presidential Decree shall” in Article 30 (1) and (2) other than the subparagraphs thereof shall be amended as “by Presidential Decree,” Article 30 (2) 1 through 7, 7−2 and 7−3 shall be amended as follows, and 7−4 and 7−5 shall be Newly inserted under the paragraph as follows:
   1. Ministry of Science, ICT and Future Planning;
   2. Ministry of Education;
   4. Ministry of Security and Public Administration;
   5. Ministry of Culture, Sports and Tourism;
   6. Ministry of Trade, Industry and Energy;
   7. Ministry of Health and Welfare;
   7−2. Ministry of Gender Equality and Family;
   7−3. Ministry of Land, Infrastructure and Transport;
   7−4. Ministry of Oceans and Fisheries;
“Rules of the Nuclear Safety and Security Commission” in Article 33 (3) and Article 42 (4) shall be amended as “Ordinance of the Prime Minister.”

③ Omitted.

ADDENDA <No. 24760, Sep. 17, 2013>
(Organization of National Emergency Management Agency and Its Affiliated Institutions)

Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

Article 2 (Amendments to Other Acts)

① through ③ Omitted.
④ The Enforcement Decree of the Act on Physical Protection and Radiological Emergency shall be partially amended as follows:
Article 7 (3) 2 shall be as follows:
2. Central 119 Rescue Headquarters;
⑤ Omitted.

ADDENDA <No. 25028, Dec. 24, 2013>

Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

Article 2 (Transitional Measures Concerning the National Radiological Emergency Plan)

The 2014 National Radiological Emergency Plan established prior to the enforcement of this Decree shall be regarded as the 2014 National Radiological Emergency Plan that is in accordance with the amended provisions of Article 20-2.

Article 3 (Transitional Measures Concerning the Establishment of the National Radiological Emergency Plan)

Notwithstanding the amended provisions of Article 21, the previous provisions shall be observed in relation to the establishment of the National Radiological Emergency Plan. In this case, it shall be
established in accordance with the National Radiological Emergency Plan, which is regarded as the 2014 National Radiological Emergency Execution Plan according to Article 2 of the Addenda.

**Article 4** (Transitional Measures Concerning Changes to the Protection Conditions)

A nuclear business operator who fails to meet the protection conditions according to the amended provisions of attached Table 2 at the time when this Decree enters into force shall meet the protection conditions according to the amended provisions of attached Table within a year of the enforcement date of this Decree and receive approval of the changes from the Nuclear Safety and Security Commission in relation to the regulations, etc. on physical protection: Provided, That in relation to the protection conditions according to the amended provisions of attached Table 2 subparagraph 1 Item C (7) and attached Table 2 subparagraph 3 Item M, the nuclear business operator shall meet the conditions within 2 years of the enforcement date of this Decree and receive approval of the changes from the Nuclear Safety and Security Commission in relation to the regulations, etc. on physical protection.

**ADDENDA <No. 25746, Nov. 19, 2014>**

**Article 1** (Enforcement Date)

This Decree shall enter into force on November 22, 2014.

**Article 2** (Application Concerning Radiological Emergency Training)

The amended provisions of Article 35 shall enter into force on January 1, 2015: Provided, That the initial radiological emergency training pursuant to this Article shall be implemented by December 31, 2016.

**ADDENDA <No. 25751, Nov. 19, 2014>**

(Organization of the Ministry of Government Administration and Home Affairs and Its Affiliated Institutions)

**Article 1** (Enforcement Date)

This Decree shall enter into force on the date of its promulgation:
Provided, That among the Presidential Decrees amended in accordance with Article 5 of the Addenda, the amendments to the Presidential Decrees, which were promulgated before this Act enters into force, but the enforcement dates of which have yet to arrive, shall enter into force on the enforcement dates of the respective Presidential Decrees.

Article 2 through Article 4 Omitted.

Article 5 (Amendments to Other Acts)

① through <400> Omitted.

<401> The Enforcement Decree of the Act on Physical Protection and Radiological Emergency shall be partially amended as follows: “Coast Guard” in Article 7 (4) 5 and Article 14 (1) 6 shall be amended as "Coast Guard Station."
“Coast Guard Substation” in Article 14 (2) 6 shall be amended as "Coast Guard Safety Center."
Article 30 (2) 1, 2, 4, 7–5 and 8 shall be as follows:
1. Ministry of Education
2. Ministry of Science, ICT and Future Planning
4. Ministry of Government Administration and Home Affairs
7–5. Ministry of Public Safety and Security
8. Nuclear Safety and Security Commission
<402> through <418> Omitted.

ADDENDA <No. 26140, Mar. 11, 2015>
(Security Work Regulations)

Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

Article 2 Omitted.

Article 3 (Amendments to Other Acts)

① through ④ Omitted.
⑤ The Enforcement Decree of the Act on Physical Protection and Radiological Emergency shall be partially amended as follows: “Full inspection” in Article 18 (2) shall be amended as "security incident investigation."
ADDENDA <No. 26435, Jul. 24, 2015>
(Partially amended decrees incl. the Enforcement Decree of the Framework Act on Civil Defense for improving the commissions affiliated with the administrative agencies)

Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

Article 2 Omitted.

ADDENDUM <No. 26761, Dec. 22, 2015>

This Decree shall enter into force on January 1, 2016.

ADDENDUM <No. 27208, May. 31, 2016>

This Decree shall enter into force on June 2, 2016.

ADDENDA <No. 28211, Jul. 26, 2017>
(Organization of the Ministry of the Interior and Safety and Its Affiliated Institutions)

Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation: Provided, That among the Presidential Decrees amended in accordance with Article 8 of the Addenda, the amendments to the Presidential Decrees, which were promulgated before this Act enters into force, but the enforcement dates of which have yet to arrive, shall enter into force on the enforcement dates of the respective Presidential Decrees.

Article 2 through Article 7 Omitted.

Article 8 (Amendments to Other Acts)

① through <376> Omitted.
<377> The Enforcement Decree of the Act on Physical Protection and Radiological Emergency shall be partially amended as follows: “Coast Guard Station” in Article 7 (4) 5 shall be amended as “Coast Guard.”
“Head of Coast Guard Station” in Article 14 (1) 6 shall be amended as the “head of the Coast Guard” and “head of the Coast Guard
Center” in Article 14 (2) 6 shall be amended as the “head of the Coast Guard Substation.”

The subparagraphs of Article 30 (2) shall be as follows:

1. Ministry of Education;
2. Ministry of Science and ICT;
4. Ministry of the Interior and Safety;
5. Ministry of Culture, Sports and Tourism;
6. Ministry of Trade, Industry and Energy;
7. Ministry of Health and Welfare;
8. Ministry of Gender Equality and Family;
9. Ministry of Land, Infrastructure and Transport;
10. Ministry of Oceans and Fisheries;
11. Ministry of Food and Drug Safety;
12. Korea National Fire Agency;
14. Metropolitan cities and provinces with the target site of the radiological emergency plan, in part or in whole, under its jurisdiction;
15. Si/Gun/Gu with the target site of the radiological emergency plan area, in part or in whole, under its jurisdiction;
16. Designated institutions.

<378> through <388> Omitted.
### Classification of Nuclear Materials by Grade

*Related with Article 15*

<table>
<thead>
<tr>
<th>Nuclear materials</th>
<th>Grade I</th>
<th>Grade II</th>
<th>Grade III</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Plutonium</strong></td>
<td>2 kilograms or more</td>
<td>500 grams ~ less than 2 kilograms</td>
<td>15 grams ~ under than 500 grams</td>
</tr>
<tr>
<td><strong>2. Uranium 235</strong></td>
<td>Non-irradiated</td>
<td>5 kilograms ~ 1 kilogram ~ less than 5 kilograms</td>
<td>15 grams ~ under than 1 kilogram</td>
</tr>
<tr>
<td></td>
<td>Non-irradiated uranium of which the enrichment of uranium 235 is not less than 20 percent</td>
<td>10 kilograms ~ 1 kilogram ~ under than 10 kilograms</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Non-irradiated uranium of which the enrichment of uranium 235 is 10 percent to less than 20 percent</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Non-irradiated uranium of which the enrichment of uranium 235 is in excess of the level of natural uranium to less than 10 percent</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3. Uranium 33</strong></td>
<td>2 kilograms ~ 500 grams ~ less than 2 kilograms</td>
<td>15 grams ~ under than 500 grams</td>
<td></td>
</tr>
<tr>
<td><strong>4. Irradiated fuel</strong></td>
<td>Depleted uranium, natural uranium, thorium or low-enriched fuel thorium of which fissile material is less than 10 percent</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Remarks
3. 1. “Plutonium” in the table above means plutonium excluding plutonium of which the enrichment of plutonium 238 exceeds 80 percent.
4. 2. “Non-irradiated” material in this table means material not irradiated in a reactor or material irradiated in a reactor of which radiation level is less than 1 Gy per hour at one-meter distance with no shielding.
5. 3. The grade of irradiated fuels originally classified as grade II or III prior to irradiation due to containment of fissile materials may be lowered to the next lower grade in cases where the radiation level thereof exceeds 1 Gy per hour at one-meter distance with no shielding.
[Table 2]

**Protection Requirements Concerning Nuclear Facilities, etc.**  
[Related with Article 16]

1. Protection requirements regarding illicit trafficking of nuclear materials being used or stored  
   (a) Nuclear materials of grade III  
      (1) Control the access to the zone for the use and the storage of nuclear materials of grade III. ("protection area of grade III")  
      (2) Means and procedures for the access control of the protection area will be protected from any manipulation or forgery.  
      (3) Establishes detection/guard systems and response measures against illegal infiltration into a relevant protection area.  
      (4) Formulates emergency protection plans against illicit trafficking of nuclear materials and conducts emergency protection training for those engaged in physical protection of relevant facilities ("protection workers").  
      (5) Conducts physical protection education for protection workers on an annual basis and implements training concerning implementation of the details of such education.  
      (6) Implements regular assessment concerning physical protection regulations, etc. as provided in Article 17 (1) and reflect the results thereof.  
      (7) By providing a succession of nuclear materials and operations reporting procedures will be strictly a management of nuclear materials.  
      (8) Physical protection measures, such as locking and sealing, shall be taken as required against design-based risks to nuclear facilities etc. when radioactive materials are moved within a protection zone.  
      (9) A security system shall be developed for the computers and information system of nuclear facilities by applying the protection requirements provided under Item 6.  
   (b) Nuclear materials of grade II  
      (1) Satisfy the protection requirements through 1 (a) (2) ~ 1 (a) (9).  
      (2) Restrict the use and storage of nuclear material of grade II within its protection area("protection area of grade II").  
      (3) Protection area of grade II will be located in the protection area of grade III.  
      (4) Ensure that the protection area can detect the illegal invasion.  
      (5) Minimize the entrance of the corresponding protection area.  
      (6) Minimizes access of vehicles to a relevant protection area and restricts parking to a designated area.  
      (7) Access to and entry by those allowed to access the relevant protection zones shall be minimized. Those who are not allowed to access the zones alone shall be accompanied by a member of personnel who is allowed access.  
      (8) People, vehicles and articles taken in and out of the relevant protection zone shall be searched.  
      (9) Ensures sufficient lighting and range of vision regarding the surroundings of a relevant
protection area.

(10) Ensures that the central control room maintains an organized monitoring and guard system as well as a communication system with external response staff including the military and police.

(11) The central control room should be located within the protected area of grade II, minimizing the entrance of the central control room and will be strictly controlled.

(12) Detection-related facilities and central control room will be equipped for independent power for emergency physical protection.

(13) Be the administrative and record-keeping of keys and locks for storage and containment of nuclear material thoroughly.

(14) Establish a protection emergency plan for illegal transfers of nuclear material and will conduct emergency plans between the external response staff, including guards, military and police on a regular basis.

(15) Protected area will be carried out to maintain and, at all times and unannounced border patrol duty 24 hours a day.

c) Nuclear materials of grade I

(1) Satisfy the protection requirements through 1 (b) (1) and 1 (b) (1) ~ (15)

(2) Restrict the use and storage of nuclear material of grade I within its protection area ("protection area of grade I").

(3) Protection area of grade I will be located in the protection area of grade II and apply to additional physical protection measures against unauthorized removal.

(4) Prevents access of private vehicles to the inside of a relevant protection area.

(5) Maintains a mechanism where two persons accompany and monitor each other in accessing a relevant protection area.

(6) Separates relevant protection area from ordinary passages.

(7) This function will be maintained in the central control room under emergency.

2. Protection requirements regarding nuclear materials being transported

(a) Common protection requirements

(1) Minimizes the time, frequency and period of transporting nuclear materials.

(2) Diverse transport plans shall be developed to ensure that different times and routes are used whenever nuclear materials are transported.

(3) Restricts employees engaged in transportation to those with established identity.

(4) If the temporary storage or unexpected stops in transit will be the necessary measures in accordance with the requirements of protection grade.

(5) Even if the vehicle is subject to change would be the necessary measures in accordance with category of nuclear material grade.

(6) To minimize the sharing of information relating to the handling and for maintaining the confidentiality.

(7) When carrying nuclear materials to keep liaison with external response staff.

(b) Nuclear materials of grade III
(1) Ensures that the transferor gives prior notice of the transportation method and plan to the transferee.

(2) Ensures thorough locking and sealing concerning transportation vehicles.

(3) Ensures that the transferor and transferee give notice to each other of any delay in transportation.

(4) Ensures that a transportation vehicle is escorted by at least two vehicles carrying not more than one police officer.

(5) Ensures that one armed protection worker is aboard a transportation vehicle.

(c) Nuclear materials of grade I and II

(1) Satisfy the protection requirements through 2 (b).

(2) Ensures that nuclear materials subject to transportation are transported by a locked vehicle or freight container.

(3) The protection worker responsible for supervising the development of plans for the transportation of radioactive materials and their protection when transported (“transport protection manager” hereinafter) shall carry the transport manual.

(4) Ensures that an officer in charge of transportation protection maintains a mutual communication system among the escort vehicle, transportation vehicle and transportation control center.

(5) Ensures that two armed protection workers are aboard a transportation vehicle.

(6) Ensures that liability and responsibility for physical protection is clarified in accordance with a contract and agreement between the transferor and transferee regarding international transportation of nuclear materials.

(7) Conducts an emergency protection training regarding illicit trafficking of nuclear materials being transported.

(8) Maintains a communication system with external response staff including the military and police to brace for possible illicit trafficking of nuclear materials being transported.

(d) Lost, tracking and recovery of stolen nuclear material measures : Satisfy the protection requirements through 1 (d)

3. Requirements for protection from sabotage at a nuclear facilities that use or stores nuclear materials:

(a) Equipped with detection systems, alarm and protective equipment against the illegal invasion of a protection area and the core area.

(b) Access and exit in the protection area and the core area is kept to a minimum.

(c) Minimize the entry of the corresponding protection area, and for the person who is not authorized to access a relevant protection area ensures accompaniment by authorized person.

(d) In order to prevent sabotage will search people, vehicles and goods that into and out of the core areas and protection area.

(e) Core areas will be isolated from the general corridor and apply an additional physical protection measures.

(f) Prevents access of private vehicles to the inside of a relevant core area.

(g) Maintain a continuous boundary detection and a 24-hour shift with respect to the
protection area, and will conduct a regular and unannounced patrols.
(h) Ensures sufficient lighting and range of vision regarding the surroundings of a relevant protection area.
(i) To prevent sabotage within the protection area and core area, clean the protective measures thoroughly during maintenance period.
(j) Be the administrative and record-keeping of keys and locks for storage and containment of nuclear material thoroughly.
(k) Ensures that the central control room maintains an organized monitoring and guard system as well as a communication system with external response staff including the military and police.
(l) Minimize access to the central control room and be strictly controlled.
(m) This function will be maintained in the central control room under emergency.
(n) Detection-related facilities and central control room will be equipped for independent power for emergency physical protection.
(o) A security system shall be developed for the computers and information systems of nuclear facilities by applying the protection requirements provided under Item 6.
(p) Annually conducts training on physical protection of guards, will conduct the training for the implementation of educational content.
(q) Establish a protection emergency plan for sabotage of nuclear material and will conduct emergency plans between the external response staff, including guards, military and police on a regular basis.
(r) Notwithstanding a. through r. the below-listed requirements shall apply when the potential radiation impact of an act of sabotage is lower than the radiation impact announced by the Commission that can hardly be accommodated:
1) Access to the protection zone shall be controlled;
2) The means and procedures for control of access to the protection zone shall be protected to prevent arbitrary manipulation or forgery;
3) Plans shall be developed for detection, guard system and counteractions against illegal intrusions into the protection zone;
4) Emergency protection plans shall be developed against sabotage in a protected zone and emergency protection drills shall be performed for the protection of workers at the relevant facility;
5) Physical protection education shall be provided to workers every year and drills shall be performed on the contents thereof;
6) The protection system of nuclear energy facilities etc. shall be evaluated periodically based on the regulations on physical protection, and complementary actions shall be taken for the protection system based on the outcome of the evaluation; and
7) A security system shall be developed for the computers and information systems of nuclear facilities by applying the protection requirements provided under Item 6.
4. Protection requirements for the sabotage of nuclear material during transport
(a) Common protection requirements: Satisfy the protection requirements 2 (a)

(b) Nuclear materials of grade III
   (1) Satisfy the protection requirements 2 (b)
   (2) Do a thorough search for the prevention of sabotage for the transport vehicles shall take over.

(c) Nuclear materials of grade I and II: Satisfy the protection requirements 2 (3) and 4 (b) (2)

5. Requirements for protection from sabotage at a nuclear facility that neither uses nor stores nuclear materials:
   a. Access to the nuclear facility shall be controlled.
   b. The means and procedures for controlling access shall be protected from unauthorized operation or forgery.
   c. Plans shall be established to detect, guard against, and cope with illegal intrusion into the nuclear facility.
   d. Emergency plans shall be established for protection from sabotage at a nuclear facility, and emergency protection drills shall be conducted for the protection workers of the relevant facility.
   e. Physical protection education shall be conducted for the protection workers each year, and drills shall be performed to ensure the performance of the contents of such education.
   f. The physical protection provisions under Article 17, paragraph 1 shall be periodically evaluated, and the outcome shall be reflected.
   g. A security system shall be developed for the computers and information systems of nuclear facilities by applying the protection requirements provided under Item 6

6. Protection requirements for electronic intrusions
   a. Access to the computers and information systems of nuclear facilities shall be controlled as follows:
      1) Information on the computers and information systems of nuclear facilities shall be provided, used and revised by the authorized persons using authorized means only.
      2) Hardware constituting the computers and information systems of nuclear facilities shall be installed and modified by the authorized persons using authorized means only.
   b. The means and procedures for physical and electronic access to the computers and information systems of nuclear facilities shall be protected and controlled to prevent arbitrary manipulation or forgery.
   c. Systems shall be developed for the prevention and detection of unauthorized physical and electronic access to the computers and information systems of nuclear facilities.

7. The Nuclear Safety and Security Commission shall determine and announce the specifics of the protection requirements provided under Items 1 to 6.
### Standards Regarding Types of Radiological Emergencies and Response Procedures by Radiological Emergency

[Related with Article 19]

1. Standards Regarding Types of Radiological Emergencies

<table>
<thead>
<tr>
<th>Classification</th>
<th>Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alert</td>
<td>Accidents causing or feared to cause any damage to the seal of radioactive materials or the power supply functions aimed at maintaining safety of nuclear facilities, which constitute an emergency of which radiological impact arising from leakage of radioactive materials is expected to be limited to the buildings of the nuclear facilities.</td>
</tr>
<tr>
<td>Site area emergency</td>
<td>Accidents causing or feared to cause any damage to major safety functions of nuclear facilities as a result of any defect in functions for improvement from “alert” to “safe”, which constitute an emergency of which radiological impact arising from leakage of radioactive materials is expected to be limited to the site of the nuclear facilities. Head of the on-site emergency management center</td>
</tr>
</tbody>
</table>
| Response measures       | 1. Operation of the on-site emergency management center  
2. Installation and operation of a joint public information center under Article 28 (3) of the Act  
3. Exercise of authority as provided in each subparagraph of Article 29 (1) of the Act  
Metropolitan city mayor/ provincial governor and city mayor/ county chief/ district chief who have competent jurisdiction over all or a part of a radiological emergency planning zone |
| Installation and operation of a local management center | 1. Installation and operation of a local management center under Article 27 (1) of the Act  
2. Implementation of relevant matters in cases where the degree and status of a radiological emergency meet the standards for declaration of a radiological disaster and thus it is declared that a radiological disaster has occurred under Article 23 (1) of the Act and where the head of the on-site emergency management center makes decisions on those set forth in Article 29 (1) 3, 29 (1) 4 and 29 (1) 7 of the Act |
## 2. Response Procedures by Radiological Emergency

<table>
<thead>
<tr>
<th>Classification</th>
<th>Response procedures (measures)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Alert</td>
</tr>
<tr>
<td>Nuclear licensee</td>
<td>1. Report to the Nuclear Safety and Security Commission, etc. under Article 21 (1) 1 of the Act</td>
</tr>
<tr>
<td></td>
<td>2. Disclosure of information on radiological emergencies under Article 21 (1) 3 of the Act</td>
</tr>
<tr>
<td></td>
<td>3. Emergency measures to prevent the spread of a radiological accident and radiological protection measures necessary to reduce radiation exposure of emergency action staff, etc. under Article 21 (1) 4 of the Act</td>
</tr>
<tr>
<td></td>
<td>4. Operation of emergency response facilities under Article 35 (1) 5 of the Act</td>
</tr>
<tr>
<td></td>
<td>5. Emergency measures for those contaminated by radioactivity or</td>
</tr>
<tr>
<td>Paragraph</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td>1.</td>
<td>Notification to the agencies concerned in accordance with a national radiological emergency plan upon receipt of reports under Article 21 (1) of the Act.</td>
</tr>
<tr>
<td>2.</td>
<td>In cases where the degree and status of a radiological emergency meet the standards for declaration of a radiological disaster has occurred under Article 23 (1) of the Act:</td>
</tr>
<tr>
<td>(a)</td>
<td>Notification to the agencies concerned under a national radiological emergency plan.</td>
</tr>
<tr>
<td>(b)</td>
<td>Report of the overview, etc. of a radiological disaster to the President via the Prime Minister.</td>
</tr>
</tbody>
</table>

The Nuclear Safety and Security Commission will respond to the national radiological emergency plan and provide measures as provided in paragraphs 1 through 2 of the site area emergency column.
(c) Causing a metropolitan city mayor/provincial governor and city mayor/county chief/district chief to inform people residing in an area feared to be subject to a radiological impact of occurrence of a radiological disaster and to take necessary response measures

(d) Installation and operation of the national management committee under Article 25 (1) of the Act

(e) Appointment of the head of the on-site emergency management center under Article 28 (2) of the Act

(f) Commanding the head of the on-site emergency management center under Article 28 of the Act

(g) Commanding the heads of the radiological emergency technical advisory center and radiological emergency medical service center under Article 32 of the Act
Functions of the National Radiological Emergency Medical Center and Primary/Secondary Radiological Emergency Medical Institutions and Standards for Designation as Primary/Secondary Radiological Emergency Medical Institutions
[Related with Article 36 (3)]

1. Functions of the National Radiological Emergency Medical Center and Primary/Secondary Radiological Emergency Medical Institutions

<table>
<thead>
<tr>
<th>Classification</th>
<th>Functions</th>
</tr>
</thead>
</table>
| National Radiological Emergency Medical Center | 1. Radiological emergency medical care including emergency medical care for patients exposed to radiation  
2. Education and training of radiological emergency medical staff and rescue staff  
3. Assistance to primary and secondary radiological emergency medical institutions  
4. Researches into radiological emergency medical care  
5. Other affairs related with radiological emergency medical care which are acknowledged necessary for such medical care by the head of the emergency medical center |
| Secondary Radiological Emergency Medical Institutions | 1. Radiological emergency medical care including emergency medical care for patients exposed to radiation  
2. Preservation of records on patients exposed to radiation and report to the Nuclear Safety and Security Commission via the emergency medical center  
3. Transfer of patients to the emergency medical center when necessary  
4. Participation in education on radiological emergency medical care |
| Primary Radiological Emergency Medical Institutions | 1. Radiological emergency medical care including emergency medical care for patients exposed to radiation  
2. Preservation of records on patients exposed to radiation and report to the Nuclear Safety and Security Commission via the emergency medical center  
3. Transfer of patients to the emergency medical center or secondary radiological emergency medical institutions when necessary  
4. Participation in education on radiological emergency medical care |

2. Standards for Designation as Primary and Secondary Radiological Emergency Medical Institutions
A. Standards for designation as primary radiological emergency medical institutions

(1) General standards
a. Be equipped with facilities, staff and equipment to provide patients exposed to radiation with radiological emergency medical care.
b. Secure an area where patients exposed to radiation can be treated, separate from other patients.
c. Provide outpatient services to patients exposed to radiation

(2) Individual standards

a. Facility standards

<table>
<thead>
<tr>
<th>Facility</th>
<th>Number of units</th>
<th>Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area for medical care of patients exposed to radiation</td>
<td>1</td>
<td>Installs not less than 1 sickbed.</td>
</tr>
<tr>
<td>Examination room</td>
<td>1</td>
<td>Secures sufficient space for examinations by using equipment in accordance with the equipment standards.</td>
</tr>
<tr>
<td>Radiology room - General radiography room</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Operation room</td>
<td>1</td>
<td>Secures 1 sickbed for simple operation and treatment.</td>
</tr>
<tr>
<td>Administrative office</td>
<td>1</td>
<td>Secures necessary space in cases where affairs related with hospitalization/discharge from hospital and medical insurance are performed separately from the relevant radiological emergency medical institution.</td>
</tr>
<tr>
<td>Doctors' night duty room</td>
<td>1</td>
<td>Secures space that can accommodate not less than 2 doctors</td>
</tr>
<tr>
<td>Waiting room</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Parking lot</td>
<td></td>
<td>Secures space where not less than 4 vehicles including 2 ambulances can park at the same time.</td>
</tr>
</tbody>
</table>

Remarks
An examination room may not be installed if it is possible to use such room set up in the relevant radiological emergency medical institution.

b. Staff standards

<table>
<thead>
<tr>
<th>Staff</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not less than 1 doctor (specialist)</td>
<td></td>
</tr>
<tr>
<td>Not less than 3 nurses</td>
<td></td>
</tr>
</tbody>
</table>
### c. Equipment standards

<table>
<thead>
<tr>
<th>Equipment name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&lt;Equipment related to medical care of patients exposed to radiation&gt;</strong></td>
<td></td>
</tr>
<tr>
<td>Personal dosimeter</td>
<td>3</td>
</tr>
<tr>
<td>Radiation protective wear</td>
<td>3</td>
</tr>
<tr>
<td>Radioactive waste bin</td>
<td>1</td>
</tr>
<tr>
<td>Surface contamination measurement instrument</td>
<td>1</td>
</tr>
<tr>
<td><strong>&lt;General medical equipment&gt;</strong></td>
<td></td>
</tr>
<tr>
<td>Cardiac defibrillator</td>
<td>1</td>
</tr>
<tr>
<td>Artificial respirator</td>
<td>1</td>
</tr>
<tr>
<td>Infusion pump</td>
<td>1</td>
</tr>
<tr>
<td>Mobile x-ray system</td>
<td>1</td>
</tr>
<tr>
<td>Ultrasonic diagnosis apparatus</td>
<td>1</td>
</tr>
<tr>
<td>Obstetric examination table</td>
<td>1</td>
</tr>
<tr>
<td>ECG monitor</td>
<td>1</td>
</tr>
<tr>
<td>Mobile monitor</td>
<td>1</td>
</tr>
<tr>
<td>Attachable aspirator</td>
<td>1</td>
</tr>
<tr>
<td>Wall O₂ unit</td>
<td>1</td>
</tr>
<tr>
<td>Blood warmer</td>
<td>1</td>
</tr>
<tr>
<td>Emergency blanket</td>
<td>1</td>
</tr>
<tr>
<td>Ordinary x-ray system</td>
<td>1</td>
</tr>
<tr>
<td>Ambulance; If ambulance operation is commissioned to a relevant service provider, an ambulance may not be secured.</td>
<td>1</td>
</tr>
</tbody>
</table>
B. Standards for designation as secondary radiological emergency medical institutions

(1) General standards
   a. Be equipped with facilities, staff and equipment to provide patients exposed to radiation with radiological emergency medical care.
   b. Secure an area where patients exposed to radiation can be treated, separate from other patients.
   c. Provide hospitalization services to patients exposed to radiation

(2) Individual standards

a. Facility standards

<table>
<thead>
<tr>
<th>Facilities</th>
<th>Number of units</th>
<th>Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area for medical care of patients exposed to radiation</td>
<td>1</td>
<td>Installs not less than 2 sickbeds.</td>
</tr>
<tr>
<td>Examination room</td>
<td>1</td>
<td>Secures sufficient space for examinations by using equipment in accordance with the equipment standards.</td>
</tr>
<tr>
<td>Radiology room</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>- General radiography room</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>- CT room</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>- Film development room</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Operation room</td>
<td>1</td>
<td>Installs the operation rooms directly connected to a landing ground for rotary-wing aircraft if there exists such landing ground.</td>
</tr>
<tr>
<td>- Large operation room</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>- Small operation room</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Sickbeds in the intensive care unit</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Sickbeds in the ward</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>Administrative office</td>
<td>1</td>
<td>Secures necessary space in cases where affairs related with hospitalization/discharge from hospital and medical insurance of the relevant patients are performed separately from the radiological emergency medical institution concerned.</td>
</tr>
<tr>
<td>Doctors' night duty room</td>
<td>1</td>
<td>Secures space that can accommodate not less than 2 doctors.</td>
</tr>
<tr>
<td>Waiting room</td>
<td>1</td>
<td>Secures space where not less than 30 people can wait at the same time.</td>
</tr>
<tr>
<td>Parking lot</td>
<td></td>
<td>Secures space where not less than 4 vehicles including 2 ambulances can park at the same time.</td>
</tr>
</tbody>
</table>

Remarks
Said examination room, CT room out of the radiology room, large operation room out of the operation room, intensive care unit and
ward may not be installed if it is possible to use such facilities in the relevant radiological emergency medical institution.

b. Staff standards

<table>
<thead>
<tr>
<th>Staff</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>○ Doctors</td>
<td>○ Ensures that radiological emergency medical care can be provided within 30 minutes by at least one specialist related with such medical care in the event of a radiological disaster, etc.</td>
</tr>
<tr>
<td>- Not less than 4 specialists of emergency medicine, nuclear medicine or radiation oncology</td>
<td></td>
</tr>
<tr>
<td>- Not less than 2 specialists related with medical care of urgent radiological patients including specialists in internal medicine and dermatology</td>
<td></td>
</tr>
<tr>
<td>○ Nurses</td>
<td>○ Adjustable according to the conditions of the relevant radiological emergency medical institution</td>
</tr>
<tr>
<td>- Not less than 12 nurses</td>
<td></td>
</tr>
<tr>
<td>○ Other staff</td>
<td>○ Adjustable according to the conditions of the relevant radiological emergency medical institution</td>
</tr>
<tr>
<td>- Emergency rescuer and driver (not less than 2 persons per ambulance)</td>
<td></td>
</tr>
<tr>
<td>- Radiation safety officer</td>
<td></td>
</tr>
</tbody>
</table>

c. Equipment standards
<table>
<thead>
<tr>
<th>Equipment name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;Equipment related to medical care of patients exposed to radiation&gt;</td>
<td></td>
</tr>
<tr>
<td>Personal dosimeter</td>
<td>6</td>
</tr>
<tr>
<td>Radiation protective wear</td>
<td>6</td>
</tr>
<tr>
<td>Radioactive waste bin</td>
<td>2</td>
</tr>
<tr>
<td>Surface contamination measurement instrument</td>
<td>2</td>
</tr>
<tr>
<td>&lt;General medical equipment&gt;</td>
<td></td>
</tr>
<tr>
<td>Cardiac defibrillator</td>
<td>2</td>
</tr>
<tr>
<td>Artificial respirator</td>
<td>2</td>
</tr>
<tr>
<td>Infusion pump</td>
<td>1</td>
</tr>
<tr>
<td>Mobile x-ray system</td>
<td>1</td>
</tr>
<tr>
<td>Ultrasonic diagnosis apparatus (equipment enabling echocardiography)</td>
<td>1</td>
</tr>
<tr>
<td>Esophagus/stomach endoscope</td>
<td>1</td>
</tr>
<tr>
<td>Obstetric examination table</td>
<td>1</td>
</tr>
<tr>
<td>Multi-channel monitor</td>
<td>1</td>
</tr>
<tr>
<td>Ordinary monitor</td>
<td>1</td>
</tr>
<tr>
<td>Mobile monitor</td>
<td>1</td>
</tr>
<tr>
<td>Attachable aspirator</td>
<td>1</td>
</tr>
<tr>
<td>Blood warmer</td>
<td>1</td>
</tr>
<tr>
<td>Emergency blanket</td>
<td>1</td>
</tr>
<tr>
<td>CT system</td>
<td>1</td>
</tr>
<tr>
<td>Ordinary x-ray system</td>
<td>1</td>
</tr>
<tr>
<td>Blood component tester (CBC tester)</td>
<td>1</td>
</tr>
<tr>
<td>Chemical blood tester</td>
<td>1</td>
</tr>
<tr>
<td>Arterial blood gas analyzer</td>
<td>1</td>
</tr>
<tr>
<td>Urine component tester</td>
<td>1</td>
</tr>
<tr>
<td>Blood bank</td>
<td>1</td>
</tr>
<tr>
<td>Ambulance; If ambulance operation is commissioned to a relevant service provider, an ambulance may not be secured.</td>
<td>1</td>
</tr>
</tbody>
</table>
[Table 4–2]

**Standards for the calculation of expenses**
(in relation to Article 40–2 (1))

1. Calculation standards for expenses

   Volume of work in prior year x base unit price

2. Volume of work by duty

   The value obtained by multiplying the number of persons input by the contractor into the duty by the number of days worked based on the prior year.

3. Base unit price

   a. Nuclear-energy related business operators falling under Article 2 (1)

   10 Subparagraphs a, b, e, f, and h: Value with the unit price of expense items based on the classification of the following Table:

<table>
<thead>
<tr>
<th>Expense items</th>
<th>Detail contents</th>
<th>Unit price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Direct wages</td>
<td>Wages the contractor has paid to personnel input to perform the outsourced duties</td>
<td>Average daily remuneration per employee based on the current state of officers and employees managed and wages execution disclosed pursuant to Article 11 of the Act on the Management of Public Institutions</td>
</tr>
<tr>
<td>2. Direct expenses</td>
<td>Expenses the contractor has paid directly for the performance of outsourced duties</td>
<td>Amount equivalent to 84.9% of the direct wages</td>
</tr>
<tr>
<td>3. Various expenses</td>
<td>Expenses the contractor has paid for the performance of outsourced duties other than direct expenses</td>
<td>Amount equivalent to 54.73% of the direct wages</td>
</tr>
</tbody>
</table>

b. Nuclear-energy related business operators other than those falling under a. above: Value determined and published by the Commission within the unit price of direct wages under Table a.
Criteria for the Imposition of Fines for Negligence
(in relation to Article 42)

1. General criteria
a. In cases falling under any of the following, the authority responsible for imposing fines may reduce the amount of a fine under Item 2 Individual criteria to within one half of the fine. However, this shall not apply to violators who default on payment of the fine.
   1) When the violator falls under any of the Items of Article 2–2 (1) of the Enforcement Decree for the Act on the Regulation of Violations of Public Order;
   2) When the violation is deemed to be attributable to trivial negligence or error;
   3) When it is deemed that the violator has made concerted efforts to correct or relieve the state of violation of the law; or
   4) When it is deemed that the fine should be reduced after considering other factors, including the degree, motivation and consequences of the violation
b. In cases falling under any of the following, the authority responsible for imposing fines may increase the amount of a fine under Item 2 Individual criteria to within one half of the fine. However, the amount shall not exceed the limit of fines as provided under Article 52 (1) of the Act.
   1) When it is deemed that a threat to safety is likely to arise as the degree and contents of the violation are serious;
   2) When the state of violation of the law is prolonged for six months or more; or
   3) When it is deemed necessary to increase a fine after considering other factors, including the degree, motivation and consequences of the violation

2. Individual criteria

<table>
<thead>
<tr>
<th>Act of violation</th>
<th>Base statute articles</th>
<th>Amount of fine</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. When a person fails to declare or makes a false declaration in violation of Article 9 (1) proviso or Article 20 (1) proviso.</td>
<td>Article 52 (1) 1</td>
<td>5,000,000 won</td>
</tr>
<tr>
<td>b. When a person fails to record information or records false information in violation of Article 14.</td>
<td>Article 52 (1) 2</td>
<td>8,000,000 won</td>
</tr>
<tr>
<td>c. When a person develops or revises emergency protection</td>
<td>Article 52 (1) 3</td>
<td>6,000,000 won</td>
</tr>
</tbody>
</table>
### Enforcement Decree of the Act on Physical Protection and Radiological Emergency

<table>
<thead>
<tr>
<th>Case Description</th>
<th>Article</th>
<th>Fine Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plans without notifying the relevant metropolitan city mayor, provincial governor, mayor, head of country or district or designated agency in violation of Article 20 (2).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. When a person fails to secure the dedicated organization, personnel, facilities or equipment for radiation protection in violation of Article 21 (1) 6 or Article 35 (1) of the Act.</td>
<td>Article 52 (1) 4</td>
<td>10,000,000 won</td>
</tr>
</tbody>
</table>
Enforcement Rule of the Act on Physical Protection and Radiological Emergency
Enforcement Rule of the Act on Physical Protection and Radiological Emergency

Ordinance of the Prime Minister No. 1026, Jun. 21, 2013
Enforcement Date Jun. 21, 2013
Ordinance of the Prime Minister No. 1056, Dec. 24, 2013., Partial Amendment
Enforcement Date Dec. 24, 2013
Ordinance of the Prime Minister No. 1108, Nov. 24, 2014., Partial Amendment
Enforcement Date Nov. 24, 2014
Ordinance of the Prime Minister No. 1249, Nov. 28, 2016., Partial Amendment
Enforcement Date Nov. 28, 2016
Ordinance of the Prime Minister No. 1471, Jun. 28, 2018., Partial Amendment
Enforcement Date Jun. 28, 2018

Article 1 (Purpose)

The purpose of this Regulation is to provide for matters delegated by the Act on Physical Protection and Radiological Emergency and the Enforcement Decree thereof and matters necessary for the enforcement thereof.

Article 2 (Application for Approval of Physical Protection Regulations, etc.)

(1) An application for approval of physical protection facilities/equipment, operation system thereof, physical protection regulations and protection emergency plan (hereinafter referred to as “physical protection regulations, etc.”) as provided in Article 17 (1) of the Enforcement Decree of the Act on Physical Protection and Radiological Emergency (hereinafter referred to as the "Decree") shall be made with the attached Form 1.

(2) Each of the following documents shall be attached to the application for approval of physical protection regulations, etc. as provided in the foregoing Paragraph (1):

1. Two copies of the document detailing the physical protection facilities/equipment and operation system thereof;
2. Two copies of the document detailing the physical protection regulations of nuclear materials and nuclear facilities (hereinafter referred to as “nuclear facilities, etc.”); and
3. Two copies of the document detailing planned actions as regards countering illicit trafficking of nuclear materials and threats to nuclear facilities, etc.

(3) If the Nuclear Safety and Security Commission grants approval
Enforcement Rule of the Act on Physical Protection and Radiological Emergency

according to the main clause of Article 9 (1) of the Act on Physical Protection and Radiological Emergency (hereinafter referred to as the “Act”), he shall issue to the applicant a written approval of physical protection regulations, etc. on the attached Form 2.

Article 3 (Application for Approval of Change)

(1) An application for the approval of change of physical protection regulations, etc. as provided in Article 17 (2) of the Decree shall be made with the attached Form 3.

(2) Documents related to change, among the documents attached to the application for approval on the attached Form 1, and the written approval of the physical protection regulations, etc. shall be attached to such application as provided in the foregoing Paragraph (1).

Article 4 (Report of Change in Minor Matters)

(1) The “minor matters as prescribed by the Ordinance of the Nuclear Safety and Security Commission” in the proviso of Article 9 (1) of the Act mean any of the following:
   1. Name or address of the person who has obtained the approval of physical protection regulations, etc. in accordance with the main clause of Article 9 (1) of the Act (in the case of a juridical person, its name, address and its representative's name); and
   2. Name and location of the place of business.

(2) Any person, who intends to file a report of change in minor matters in accordance with the proviso of Article 9 (1) of the Act, shall submit to the Nuclear Safety and Security Commission a report of change in minor matters on the attached Form 4 within thirty (30) days from the date when the reason for such report arose by attaching the documents related to a report of change of the physical protection regulations, etc. and the written approval of the physical protection regulations, etc. thereto.

Article 5 (Formulation of Physical Protection Regulations, etc.)

Detailed standards including guidelines for the formulation of physical protection regulations, etc. as provided in Article 9 (2) of the Act shall be specified in the attached Table 1.

Article 5–2 (Hours and contents of physical protection education)

The hours and contents of physical protection education under Article 17–2,
Article 5-3 (Designation of agencies for physical protection education)

(1) Those wishing to be designated as agency for physical protection education pursuant to Article 9-2, paragraph 2 of the Act shall satisfy the following requirements:
1. Education facilities: Appropriate space and facilities that can accommodate the students based on education plans
2. Education equipment: Physical protection–related equipment required for on–hand training, including those for detection and searching
3. Education manuals or regulations: Contents of education by subject personnel, efficient education methods based on the education venue or functions of the subject personnel

(2) Those wishing to be designated as agency for physical protection education pursuant to Article 9-2, paragraph 2 of the Act shall secure an instructor satisfying one of the following requirements:
1. One with a license or a qualification certificate for an area related to physical protection
2. One with a doctorate degree related to physical protection
3. One with at least three years’ experience related to physical protection
4. One who have served three years or longer at a research or a specialist agency related to physical protection

(3) Those wishing to be designated as agency for physical protection education shall submit the following documents to the Commission along with their application using Annex Form No. 4–2:
1. Statement concerning instructors – 3 copies
2. Education manual or regulations – 3 copies
3. Information concerning education equipment or facilities – 1 copy

(4) Upon receipt of the application documents under paragraph 3, the Commission shall check the applicant’s corporate registration certificate using the shared administrative information network as per Article 36, paragraph 1 of the e–Government Act.

(5) The Commission shall issue its designation letter using Annex Form 4–3 to designate a physical protection education agency.

(6) The Commission shall determine and publish the detailed requirements of the designation or instructors of a physical protection education agency and specific matters required for education implementation, including the development or submission of plans for physical protection education by the designated agencies.

Article 5-4 (Establishment of plans for physical protection education)
(1) The nuclear facility operator shall develop and submit plans for physical protection education to the Commission pursuant to Article 9-3, paragraph 1 of the Act.

(2) The plans for physical protection education under paragraph 1 shall include the following information:
   1. Basic direction of education/training
   2. Types of training
   3. Purposes, subjects, contents, methods, or schedules of physical protection training by type
   4. Matters concerning the control or evaluation of physical protection training by type
   5. Other matters deemed necessary for physical protection training by the Commission

(3) The Commission shall determine and publish matters required for physical protection training, including the types or methods of training by nuclear facility operator as included in the physical protection training plans.

Article 6 (Report)

Pursuant to Article 11 of the Act, a nuclear licensee shall promptly report each of the following to the Nuclear Safety and Security Commission, and give notice thereof to Special metropolitan city mayor / metropolitan city mayors / special automotive city mayors / provincial governor / special self provincial governor (hereinafter referred to as “mayor/governor”) of competent jurisdiction:
   1. Date and place of the occurrence of a threat and the reasons and situation thereof;
   2. Matters related to response actions to cope with the threat; and
   3. Purport and details of a request for support to the head of a military unit, police station and other administrative agencies as provided in Article 10 (1) of the Act, if any.

Article 7 (Application for Initial Inspection, etc.)

(1) An application for initial inspection as provided in Article 18 (3) of the Decree shall be made with the attached Form 5, and an application for transportation inspection shall be made with the attached Form 6.

(2) Each of the following documents shall be attached to the application for initial inspection as provided in the foregoing Paragraph (1):
   1. Two copies of the document detailing physical protection facilities/equipment and operation system thereof;
   2. Two copies of the document detailing the physical protection regulations.
of nuclear facilities, etc.; and

3. Two copies of the document detailing planned actions as regards countering illicit trafficking of nuclear materials and threats to nuclear facilities, etc.

(3) Two copies of documents related to an application for transportation inspection including each of the following shall be attached to such application for transportation inspection as provided in the foregoing Paragraph (1):

1. Organization responsible for transportation protection and person in charge thereof;
2. Type and quantity of nuclear materials to be transported;
3. Transportation route and expected arrival time;
4. System of communication during transportation;
5. Expected accidents and emergency response system; and
6. Other matters necessary for transportation protection.

(4) If any person, who has applied for a transportation inspection as provided in Article 18 (3) of the Decree, intends to make any change to such application, the applicant shall promptly submit to the Nuclear Safety and Security Commission an application for change of the transportation inspection on the attached Form 7 by attaching written reasons for the application for such change thereto.

**Article 8** (Standards for Physical Protection Facilities/Equipment, etc.)

The “standards prescribed by the Ordinance of the Nuclear Safety and Security Commission” provided in Article 12 (2) 2 of the Act mean each of the following:

1. Facilities/equipment for physical protection and operation system thereof shall conform to the physical protection facilities/equipment and operation system thereof approved under the main clause of Article 9 (1) of the Act; and
2. Facilities/equipment for physical protection and operation system thereof shall conform to the protection requirements as provided in Article 16 of the Decree.

**Article 9** (Preparation and Maintenance of Records)

Matters regarding which a nuclear licensee is required to prepare and maintain records pursuant to Article 14 of the Act shall be specified in the attached Table 2.

**Article 10** (Application for Approval of a Radiological Emergency Plan, etc.)
(1) An application for approval of a radiological emergency plan (hereinafter referred to as “radiological emergency plan”) as provided in Article 22 (1) of the Decree shall be made with the attached Form 8.
(2) Five copies of a radiological emergency plan shall be attached to the application for approval of the radiological emergency plan as provided in the foregoing Paragraph (1).
(3) Upon granting approval under the main clause of Article 20 (1) of the Act, the Nuclear Safety and Security Commission shall issue to the applicant a written approval of the radiological emergency plan on the attached Form 9.

Article 11 (Application for Approval of Change)

(1) An application for the approval of change of a radiological emergency plan as provided in Article 22 (2) of the Decree shall be made with the attached Form 10.
(2) The radiological emergency plan pertaining to change, among the approved radiological emergency plan, and the written approval of such radiological emergency plan shall be attached to such application as provided in the foregoing Paragraph (1).

Article 12 (Report of Change in Minor Matters)

(1) The “minor matters as determined by the Nuclear Safety and Security Commission” in the provisos of Article 20 (1) and Article 20 (2) of the Act mean any of the following:
1. Name and address of the person who has obtained approval of a radiological emergency plan as provided in the main clause of Article 20 (1) of the Act (in the case of a juridical person, its name and address and its representative’s name);
2. Name and location of the place of business; and
3. Matters set forth in Subparagraph 1, 2 (c) and 2 (d), 5 (a) and 5 (b), 6 (b) through 6 (d), and 7 through 9 of the detailed standards for the formulation of a radiological emergency plan on the attached Table 3.
(2) Any person, who intends to file a report in accordance with the proviso of Article 20 (1) of the Act, shall submit to the Nuclear Safety and Security Commission a report of change in minor matters on the attached Form 11 within thirty (30) days from the date when the reason for such report arose, by attaching documents related to such report of change among the radiological emergency plan and the written approval of the radiological emergency plan thereto.

Article 13 (Detailed Standards for Formulation of Radiological Emergency
Detailed standards for the formulation of a radiological emergency plan as provided in Article 20 (3) of the Act shall be specified in the attached Table 3.

**Article 14 (Emergency Actions, etc.)**

(1) In cases where a nuclear licensee takes emergency actions to prevent the spread of a radiological accident pursuant to Article 21 (1) 4 of the Act, such licensee shall take emergency actions as provided in Article 22 (1) 5 of the Decree and Subparagraph 5 of the attached Table 3 hereto.

(2) In cases where a nuclear licensee takes radiological protection measures in respect of emergency action staff, etc. pursuant to Article 21 (1) 4 of the Act, each of the following standards shall apply:

1. Prevention of radiation exposure in excess of the standards determined by the Nuclear Safety and Security Commission as regards emergency action staff, etc. through such measures as use of appropriate protective gear and reduction of radiation exposure time; and

2. Compliance with the emergency action procedures as determined by the Nuclear Safety and Security Commission such as notification to emergency action staff of the status of emergency actions including the purpose of emergency actions, expected radiation exposure quantity and the level of potential risks prior to taking such actions.

**Article 15 (Standards for Determination of Urgent Public Protective Actions, etc.)**

(1) The standards for determining urgent public protective actions including sheltering, evacuation, restrictions on food and water and iodine prophylaxis distribution as provided in Article 29 (1) 3 of the Act shall be specified in the attached Table 4.

(2) The standards for determining control of carry-out or consumption of food, beverage and agricultural/livestock/fishery products in an area where a radiological emergency and radiological disaster (hereinafter referred to as "radiological disaster, etc.") as provided in Article 29 (1) 4 of the Act shall be specified in the attached Table 5.

(3) With respect to radiological protection actions necessary for emergency rescue activities by the urgent rescue center at the site of a radiological disaster as provided in Article 29 (1) 6 of the Act, the provisions related to radiological protection measures for emergency action staff, etc. in Article 14 (2) hereof shall apply mutatis mutandis. In such case, "emergency action
staff, etc." shall be deemed “urgent rescue staff of the urgent rescue center.”

**Article 16** (Composition and Operation of Radiological Emergency Technical Advisory Center, etc.)

(1) The head of the Korea Institute of Nuclear Safety under the Korea Institute of Nuclear Safety Act shall serve as the head of the Radiological Emergency Technical Advisory Center (hereinafter referred to as "technical advisory center" in this Article) as provided in Article 32 (1) of the Act, and those with knowledge and experience regarding radiological disaster management who are nominated or commissioned by the head of the technical advisory center shall serve as members of the technical advisory center.

(2) The head of the technical advisory center shall supervise and coordinate the support for technical matters necessary to cope with a radiological disaster.

(3) The head of the technical advisory center may organize the off-site emergency technical support team and dispatch the team to an area where a radiological disaster, etc. has occurred.

(4) Matters necessary for composition and operation of the technical advisory center and off-site emergency technical support team, other than those set forth herein, shall be determined by the head of the technical advisory center.

**Article 17** (Composition and Operation of Radiological Emergency Medical Service Center, etc.)

(1) The head of the Korea Institute of Radiological and Medical Sciences as provided in Article 13 (2) of the Act on Promotion of Utilization of Radiation and Radioisotopes shall serve as the head of the Radiological Emergency Medical Service Center (hereinafter referred to as the “medical service center” in this Article) as provided in Article 32 (2) of the Act, and those with knowledge and experience of medical services in the event of a radiological emergency, who are nominated or commissioned by the head of the medical service center, shall serve as members of the medical service center.

(2) The head of the medical service center shall supervise and coordinate medical services in the event of a radiological emergency.

(3) The head of the medical service center may organize the off-site radiological emergency medical service team and dispatch such team to an area where a radiological disaster, etc. has occurred.

(4) Matters necessary for composition and operation of the medical
service center and off-site radiological emergency medical service team, other than those set forth herein, shall be determined by the head of the medical service center.

**Article 17-2** (Establishment and Operation of Radiological impact Assessment Information System)

(1) The head of the Korea Institute of Nuclear Safety shall collect, analyze and manage information falling under the following subparagraphs for efficient establishment and operation of the information system necessary for radiological impact assessments, etc. in accordance with Article 32 (3) of the Act (hereinafter referred to as “radiological impact assessment information system” in this Article):
   1. Meteorological information;
   2. Social geographical information;
   3. Information on the status of nuclear facilities;
   4. Information on the results of environmental radiation monitoring and radiation analysis.

(2) The head of the Korea Institute of Nuclear Safety shall set forth a plan concerning the establishment and operation of the radiological impact assessment information system for the following year by December 31 each year and submit it to the Nuclear Safety and Security Commission.

**Article 18** (Standards for Radiological Disaster Response Facilities /Equipment)

The standards for radiological disaster response facilities/equipment as provided in Article 35 (1) of the Act shall be specified in the attached Table 6.

**Article 19** (Time and Details of Radiological Emergency Training)

The time and details of radiological emergency training as provided in Article 33 (1) and 33 (2) of the Decree shall be specified in the attached Table 7.

**Article 20** (Designation of a Radiological Emergency Training Institution)

(1) Those wishing to be designated as education agency for radioactivity disaster prevention education under Article 36, paragraph 2 of the Act shall satisfy the following requirements:
   1. Education facilities: Appropriate space and facilities that can
accommodate the students based on education plans

2. Education equipment: Equipment related to on-hand education on radioactivity disaster prevention, including gauges of radiation and radioactivity, individual dose meter, and protective gear

3. Education manuals or regulations: Contents of education by subject personnel, efficient education methods based on the education venue or functions of the subject personnel

(2) Those wishing to be designated as agency for education on radioactivity disaster prevention pursuant to Article 36, paragraph 2 of the Act shall secure an instructor satisfying one of the following requirements:

1. One with a license or a qualification certificate for an area related to radioactivity disaster prevention

2. One with a doctorate degree related to radioactivity disaster prevention

3. One who has performed functions related to the operation of the main control room of a nuclear power plant, measures related to the prevention of radiation or radioactivity disaster, and emergency treatment related to radiation for three years or longer

4. One who has served three years or longer at a research or a specialist agency related to nuclear safety or emergency treatment related to radiation

(3) Any organization, which wishes to be designated as an institution to conduct radiological emergency training under Article 36 (2) of the Act, shall submit to the Nuclear Safety and Security Commission an application for designation as a radiological emergency training institution on the attached Form 12.

(4) Each of the following documents shall be attached to an application for designation as a radiological emergency training institution as provided in the foregoing Paragraph (3):

1. Three copies of the document detailing the status of instructors;

2. Three copies of training procedures or regulations; and

3. One copy of the status of training-related equipment and facilities.

(5) When receiving an application for designation as a radiological emergency training institution under Paragraph (1), the Nuclear Safety and Security Commission shall check a certified copy of the applicant’s corporate register through the administrative information sharing system under Article 38 (1) of the Act on Promotion of the Digitalization of Administrative Affairs, etc. for Creation of Electronic Government. If the applicant refuses to give consent to such check, the Nuclear Safety and Security Commission shall cause the applicant to attach the required document.

(6) The Commission shall determine and publish the detailed requirements
of the designation or instructors of an education agency on radioactivity disaster prevention and specific matters required for education implementation, including the development or submission of plans for radioactivity disaster prevention education by the designated agencies.

Article 21 (Formulation of Radiological Emergency Exercise Plans)

(1) In accordance with Article 37 (3) of the Act, a nuclear licensee shall formulate a radiological emergency exercise plan for the following year, submit such plan to the Nuclear Safety and Security Commission by November 30 of each year and obtain approval thereof.

(2) The radiological emergency exercise plan as provided in the foregoing Paragraph (1) shall contain each of the following in connection with training:
   1. Basic direction;
   2. Type of training;
   3. Purpose, details, methods, schedule and subject trainees of radiological emergency exercises by type as provided in the foregoing Subparagraph 2;
   4. Matters related with control and assessment of radiological emergency exercises by type as provided in the foregoing Subparagraph 2; and
   5. Other matters that the nuclear licensee acknowledges as being necessary to conduct a radiological emergency exercise.

(3) Necessary matters in connection with radiological emergency exercises including the types and methods of radiological emergency exercises conducted by each nuclear licensee shall be determined and publicly notified by the Nuclear Safety and Security Commission.

Article 22 (Inspection)

If the Nuclear Safety and Security Commission intends to conduct an inspection pursuant to Article 38 (1) of the Act, he shall notify the nuclear licensee of an inspection plan containing the list of inspectors, the schedule and details of inspection and so forth at least ten (10) days prior to the commencement of such inspection.

Article 23 (Designation of a Radiological Emergency Medical Institution)

(1) Any institution, who wishes to be designated as a primary or secondary radiological emergency medical institution as provided in Article 39 (2) of the Act, shall submit to the Nuclear Safety and Security Commission an application for designation as a radiological emergency medical institution on
the attached Form 14.

(2) Each of the following documents shall be attached to the application for designation as a radiological emergency medical institution as provided in the foregoing Paragraph (1):

1. A copy of the permit for the opening of a medical institution as provided in Article 33 of the Medical Service Act and Article 27 of the Enforcement Regulation thereof; and
2. Documents confirming conformity to the standards for designation as a primary or secondary radiological emergency medical institution as provided in Article 36 (3) of the Decree.

(3) Upon designation of a primary or secondary radiological emergency medical institution, the Nuclear Safety and Security Commission shall issue to the applicant a written designation as a radiological emergency medical institution on the attached Form 15.

Article 24 (Measures for Restoration from Damage, etc.)

The “matters as prescribed by the Ordinance of the Nuclear Safety and Security Commission” in Article 42 (2) 4 of the Act mean matters related to the distribution control measures for the food, beverage and agricultural/livestock/fishery products in an area where a radiological disaster has occurred.

Article 25 (Procedures to Collect Fines for Negligence)

In regard of the procedures to collect fines for negligence as provided in Article 42 (4) of the Decree, the Enforcement Regulation of the National Treasury Management Act shall apply mutatis mutandis. In such case, the method and period for raising an objection and so forth shall also be stated in a notice for payment.
ADDENDA <Ordinance of the Prime Minister No. 1026, Jun. 21, 2013>

Article 1 (Enforcement Date)

This Rule shall enter into force on the date of its promulgation.

Article 2 (General Transitional Measures)

The dispositions, procedures and other practices implemented in accordance with the Rules on the Nuclear Safety and Security Commission pursuant to the delegation of the Decree and the Act in force at the time this Rule entered into force shall be deemed to have been implemented in accordance with this Rule.

ADDENDUM <Ordinance of the Prime Minister No. 1056, Dec. 24, 2013>

This Rule shall enter into force on the date of its promulgation.

ADDENDA <Ordinance of the Prime Minister No. 1108, Nov. 24, 2014>

Article 1 (Enforcement Date)

This Rule shall enter into force on the date of its promulgation:
Provided, That the amended provisions of attached Table 6 shall enter into force on May 21, 2015.

Article 2 (Transitional Measures Concerning the Standards for Radiological Emergency Response Facilities and Equipment)

Notwithstanding the amended provisions of attached Table 6, nuclear business operators who are required to install alarm facilities to alert occurrences of radiological emergency, etc. in accordance with the amended provisions of attached Table 6 shall install such facilities by December 31, 2015.

ADDENDA <Ordinance of the Prime Minister No. 1249, Nov. 28, 2016>

Article 1 (Enforcement Date)

This Rule shall enter into force on the date of its promulgation:
Provided, That the amended provisions of attached Table 2 shall enter into force on June 1, 2017.
Article 2 (Application Concerning the Matters to Be Recorded and Distributed by Nuclear Business Operators)

The amended provisions of attached Table 2 subparagraphs 3 through 6 shall apply even to the matters that are recorded and distributed by nuclear business operators on the enforcement date specified in the proviso to Article 1 of the Addenda.

ADDENDUM <Ordinance of the Prime Minister No. 1471, Jun. 28, 2018>

This Rule shall enter into force on the date of its promulgation.
[Table 1]

**Detailed Standards Regarding Guidelines for Formulation of Physical Protection Regulations, etc.**

[Related with Article 5]

1. Guidelines for formulating physical protection regulations, etc.
   A. Matters that can be quantified among the relevant items shall be described in quantitative terms.
   B. Matters that are confidential under Subparagraph 1, Article 2 of the security regulations among the relevant items shall be separately described.

2. Details of physical protection regulations, etc.
   A. Physical protection facilities/equipment and operation system thereof under Article 9 (1) 1 of the Act
      (1) Matters pertaining to physical protection facilities/equipment and operation system thereof for protection against illicit trafficking of nuclear materials
         (a) Installation and maintenance of facilities/equipment for protection against illicit trafficking of nuclear materials
         (b) Organization and staff operating facilities/equipment for protection against illicit trafficking of nuclear materials
      (2) Matters pertaining to physical protection facilities/equipment and operation system thereof to find and retrieve lost or stolen nuclear materials
         (a) Installation and maintenance of equipment to find and retrieve lost or stolen nuclear materials
         (b) Operational organization and staff to find and retrieve lost or stolen nuclear materials
         (c) Procedures to find and retrieve lost or stolen nuclear materials
      (3) Matters pertaining to physical protection facilities/equipment and operation system thereof to prevent sabotage against nuclear facilities, etc.
         (a) Installation and maintenance of facilities/equipment to prevent sabotage against nuclear facilities, etc.
         (b) Organization and staff operating facilities/equipment to prevent sabotage against nuclear facilities, etc.
      (4) Matters pertaining to physical protection facilities/equipment and operation system thereof for measures against a radiological impact caused by sabotage against nuclear facilities, etc.
(a) Installation and maintenance of facilities/equipment for measures against a radiological impact caused by sabotage against nuclear facilities, etc.
(b) Organization and staff operating facilities/equipment for measures against a radiological impact caused by sabotage against nuclear facilities, etc.
(5) Information concerning facilities, equipment or operational systems related with the security of the computers and information systems of nuclear facilities:
   (a) The installation, repair and maintenance of equipment
   (b) Operational organization and personnel

B. Physical protection regulations under Article 9 (1) 2 of the Act
(1) Matters pertaining to physical protection of nuclear facilities, etc.
   (a) Matters pertaining to a physical protection organization and duties thereof
   (b) Matters pertaining to the characteristics, management methods and carry-in/carry-out of nuclear materials by grade
   (c) Matters pertaining to design information, installation and management of physical protection facilities
   (d) Matters pertaining to a protection area
   (e) Matters pertaining to entrance/exit management
   (f) Matters pertaining to guard and patrol
   (g) Matters pertaining to an emergency communication system regarding physical protection
   (h) Matters pertaining to physical protection training and exercise
   (i) Matters pertaining to records and reports
   (j) Matters pertaining to documents and information management
   (k) Other matters pertaining to protection of nuclear facilities, etc.
(2) Matters pertaining to physical protection of nuclear materials being transported
   (a) Matters pertaining to a physical protection organization and duties thereof regarding nuclear materials being transported
   (b) Matters pertaining to physical protection plans and measures regarding nuclear materials being transported
   (c) Matters pertaining to an emergency communication system regarding physical protection
   (d) Matters pertaining to document and information management
   (e) Matters pertaining to international transportation
   (f) Other matters pertaining to physical protection of nuclear materials being transported
(3) Matters concerning security measures for the computers and information systems of nuclear facilities:
(a) Security plans for computers and information systems
(b) Analysis of computers and information systems
(c) Phased security strategies
(d) Technical, operational and administrative security measures
(e) Monitoring and assessment
(f) Other matters concerning the security of the computers and information systems of nuclear facilities

C. Emergency protection plan under Article 9 (1) 3 of the Act
   (1) Matters pertaining to emergency protection plans of nuclear facilities, etc.
      (a) Matters pertaining to an organization responding to illicit trafficking of nuclear materials and threats to nuclear facilities, etc. and the duties thereof
      (b) Matters pertaining to facilities/equipment to respond to illicit trafficking of nuclear materials and threats to nuclear facilities, etc.
      (c) Matters pertaining to training/exercise to respond to illicit trafficking of nuclear materials and threats to nuclear facilities, etc.
      (d) Measures to minimize a radiological impact arising from illicit trafficking of nuclear materials and threats to nuclear facilities, etc.
      (e) Other necessary matters regarding measures to respond to illicit trafficking of nuclear materials and threats to nuclear facilities, etc.
   (2) Matters pertaining to emergency protection plans regarding nuclear materials being transported
      (a) Matters pertaining to an organization responding to illicit trafficking of, and threats to, nuclear materials being transported and duties thereof
      (b) Matters pertaining to measures to respond to illicit trafficking of, and threats to, nuclear materials being transported
      (c) Matters pertaining to a response system regarding illicit trafficking of, and threats to, nuclear materials being transported
      (d) Measures to minimize a radiological impact arising from illicit trafficking of, and threats to, nuclear materials being transported
      (e) Other necessary matters regarding measures to respond to illicit trafficking of, and threats to, nuclear materials being transported
   (3) Information concerning action plans against cyber-attacks on and hacking of the computers and information systems of nuclear facilities
      (a) Organization and mission
      (b) Facilities and equipment
(c) Education and drills
(d) Other matters concerning countermeasures to cyber-attacks on and hacking of computers and information systems of nuclear facilities

3. Detailed standards for formulating physical protection regulations, etc. by item under the foregoing paragraph 2 shall be determined and publicly announced by the Nuclear Safety and Security Commission.
**[Table 1-2]**

**Hours and Contents of Education on Physical Protection**

(related to Article 5-2)

1. Education hours

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Education hours</th>
<th>New education</th>
<th>Refresher education</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employees of nuclear facility operators</td>
<td>Employees responsible for duties related to physical protection</td>
<td>8 hours within six months of the day an employee responsible for duties related to physical protection is designated</td>
<td>4 or more hours a year</td>
</tr>
<tr>
<td></td>
<td>Employees not responsible for duties related to physical protection</td>
<td>2 or more hours within a year of the day an employee is appointed</td>
<td>2 or more hours a year</td>
</tr>
<tr>
<td>Employees of organizations or agencies related to physical protection and designated and published by the Commission</td>
<td>Employees responsible for duties related to physical protection</td>
<td>8 hours within six months of the day an employee responsible for duties related to physical protection is designated</td>
<td>4 or more hours a year</td>
</tr>
<tr>
<td></td>
<td>Employees not responsible for duties related to physical protection</td>
<td>2 or more hours within a year of the day an employee is appointed</td>
<td>2 or more hours a year</td>
</tr>
</tbody>
</table>

2. Education contents

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Education contents</th>
</tr>
</thead>
</table>
| Employees of nuclear facility operators | 1. General matters related to physical protection  
2. Statutes concerning physical protection  
3. Matters related to emergency protective actions  
4. Systems and movements related to physical protection  
5. Matters related to risk assessment  
6. Protection culture  
7. Design of systems for physical protection  
8. Tests and on-hand exercise of physical protection-related facilities or equipment  
9. Other related matters |
| Employees not responsible for duties related to physical protection | 1. General matters related to physical protection  
2. Statutes concerning physical protection  
3. Matters related to emergency protective actions |
| Employees of organizations or agencies related to physical protection and designated and published by the Commission | Employees responsible for duties related to physical protection | 1. General matters related to physical protection  
2. Statutes concerning physical protection  
3. Matters related to emergency protective actions  
4. Systems and movements related to physical protection  
5. Matters related to risk assessment  
6. Protection culture  
7. Design of systems for physical protection  
8. Tests and on-hand exercise of physical protection-related facilities or equipment  
9. Other related matters |
|---|---|---|
| Employees not responsible for duties related to physical protection | 1. General matters related to physical protection  
2. Statutes concerning physical protection  
3. Matters related to emergency protective actions | |
**[Table 2]**

**Matters Which Must Be Recorded and Kept Available**

[Related with Article 9]

<table>
<thead>
<tr>
<th>Recorded matters</th>
<th>Recording timing</th>
<th>Preservation period</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Records on inspection of people and vehicles accessing a protection area as</td>
<td>Whenever inspected</td>
<td>10 years</td>
</tr>
<tr>
<td>well as commodities carried therein</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Records on surveillance and patrol of a protection area</td>
<td>Whenever surveillance and patrol are</td>
<td>10 years</td>
</tr>
<tr>
<td></td>
<td>conducted</td>
<td></td>
</tr>
<tr>
<td>3. Records on implementation of physical protection training and exercise</td>
<td>Whenever training/ exercise is</td>
<td>5 years</td>
</tr>
<tr>
<td></td>
<td>implemented</td>
<td></td>
</tr>
<tr>
<td>4. Records on installation, inspection and maintenance of physical protection</td>
<td>Whenever installation/ inspection/</td>
<td>5 years</td>
</tr>
<tr>
<td>facilities/equipment, etc.</td>
<td>maintenance is implemented</td>
<td></td>
</tr>
<tr>
<td>5. Design records regarding installation of physical protection facilities/equipment</td>
<td>Whenever such design is performed</td>
<td>5 years</td>
</tr>
<tr>
<td>6. Measures against illicit trafficking of nuclear materials and threats to</td>
<td>Whenever such measures are taken</td>
<td>20 years</td>
</tr>
<tr>
<td>nuclear facilities, etc.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
[Table 3]

**Detailed Standards for Formulation of Radiological Emergency Plans**
[Related with Article 13]

1. Matters pertaining to the radiological emergency planning zone of the relevant nuclear facilities
   Matters regarding which approval or approval of change has been obtained from the Nuclear Safety and Security Commission under Article 5 (2) of the Decree regarding the radiological emergency planning zone of the relevant nuclear facilities.

2. Matters pertaining to organizations and duties to brace for a radiological disaster, etc.
   (a) Installation and operation of an institution to brace for a radiological disaster, etc. under Article 21 (1) 2 of the Act
   (b) Staff, organization and duties thereof to take charge of affairs related with bracing for a radiological disaster, etc. under Article 21 (1) 6 of the Act
   (c) Staff, organization and duties thereof for operation of emergency response facilities including a main control room, technical support center, operations support center and emergency operations facility under Article 35 (1) 5 of the Act
   (d) Other matters related with organizations and duties thereof to brace for a radiological disaster, etc.

3. Matters pertaining to securing radiological disaster response facilities and equipment under Article 35 (1) of the Act
   (a) Radiation or radioactivity monitoring facilities
   (b) Radiation protection equipment
   (c) Radioactivity decontamination facility and equipment
   (d) Facilities to monitor and assess the amount of radioactive materials released
   (e) Emergency response facilities including a main control room, technical support center, operations support center and emergency operations facilities
   (f) Facilities for emergency communication with related institutions and alarms
   (g) Emergency power supply facilities

4. Matters pertaining to detailed standards for each type of radiological emergencies, with the relevant nuclear facilities taken into account
   (a) Detailed standards of an alert
(b) Detailed standards of a site area emergency
(c) Detailed standards of a general emergency
5. Matters pertaining to response measures at an initial phase of accident
   (a) Emergency communication and convocation at an initial phase of accident
   (b) Matters related with filing an initial report to the Nuclear Safety and Security Commission and the metropolitan city mayor/provincial governor and city mayor/county chief/district chief of competent jurisdiction in the event of a radiological emergency under Article 21 (1) 1 of the Act
   (c) Affairs pertaining to emergency actions to prevent the spread of a radiological accident, and radiological protection measures necessary to reduce radiation exposure of emergency action staff, etc. under Article 21 (1) 4 of the Act
6. Matters pertaining to activities to respond to a radiological disaster, etc.
   (a) Response measures by type of radiological emergencies
   (b) Report of the status of a radiological emergency and relevant response measures to the Nuclear Safety and Security Commission as well as the metropolitan city mayor/provincial governor and city mayor/county chief/district chief of competent jurisdiction in the event of such radiological emergency under Article 21 (1) 1 of the Act
   (c) Emergency communication system in the event of a radiological disaster, etc.
   (d) Disclosure of information on a radiological disaster, etc. that occurred
   (e) Accident analysis and radiological impact assessment
   (f) Protective measures for employees of a nuclear licensee and visitors to the site of nuclear facilities
   (g) Radioactive decontamination
   (h) Radiation or radioactivity monitoring
   (i) Support including dispatch of emergency staff, provision of technical advisory services and making available radiation measuring apparatus upon request from the heads of the local emergency management center and designated institutions under Article 27 of the Act
   (j) Radiological emergency measures for those contaminated by radioactivity or exposed to radiation due to a radiological disaster within the site of nuclear facilities and the employees of a nuclear licensee contaminated by radioactivity or exposed to radiation
7. Matters pertaining to recovery from a radiological disaster, etc.
8. Matters pertaining to radiological emergency training and exercise Types, methods, etc. of radiological emergency training and exercise
9. Other matters acknowledged necessary by the nuclear licensee to prepare for
occurrence of a radiological disaster, etc. at nuclear facilities, etc.

※ Detailed technical matters necessary for formulation of radiological emergency plans shall be determined and publicly announced by the Nuclear Safety and Security Commission.
[Table 4]

**Standards for Determining Urgent Public Protective Actions**

[Related with Article 15 (1)]

1. Standards for Determining Sheltering, Evacuation, Iodine Prophylaxis Distribution, etc.

<table>
<thead>
<tr>
<th>Urgent Public Protective Action</th>
<th>Determination standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>sheltering</td>
<td>10mSv</td>
</tr>
<tr>
<td>evacuation</td>
<td>50mSv</td>
</tr>
<tr>
<td>Distribution of Iodine Prophylaxis</td>
<td>100mGy</td>
</tr>
<tr>
<td>Temporary relocation</td>
<td>30mSv/first one month, 10mSv/next one month</td>
</tr>
<tr>
<td>Permanent settlement</td>
<td>1Sv/lifetime</td>
</tr>
</tbody>
</table>

Remarks

1. Determination standards are based on the biological effective dose (calculated by multiplying the equivalent dose of each tissue by the weight applicable to such tissue and adding up the relevant amount for entire tissues in order to quantify the degree of risks according to dose distribution in each tissue of a human body).
2. The period of sheltering cannot exceed two days.
3. The period of evacuation cannot exceed one week.
4. One month represents thirty days.
5. Lifetime represents seventy years.

2. Standards for Restrictions on the Ingestion of Food

<table>
<thead>
<tr>
<th>Radioisotope</th>
<th>Group 1</th>
<th>Group 2</th>
<th>Group 3</th>
<th>Group 4</th>
<th>Group 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meat fish, crops (Bq/kg)</td>
<td>2,000</td>
<td>1,000</td>
<td>100</td>
<td>10</td>
<td>100kBq/ℓ</td>
</tr>
<tr>
<td>Vegetable, fruit (Bq/kg)</td>
<td>1,000</td>
<td>500</td>
<td>100</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Water, milk (Bq/ℓ)</td>
<td>200</td>
<td>100</td>
<td>20</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Infant food (Bq/kg)</td>
<td>100</td>
<td>10</td>
<td>10</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>
[Table 5]

**Standards for Determining Control of Carry-Out or Consumption of Food, Beverage and Agricultural/Fishery Products**

[Related with Article 15 (2)]

<table>
<thead>
<tr>
<th>Radio-nuclide</th>
<th>Classification</th>
<th>Foods and beverages</th>
<th>Agricultural/livestock/fishery products (Bq/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Vegetable fruit (Bq/kg)</td>
<td>Water milk (Bq/ℓ)</td>
</tr>
<tr>
<td>Group 1</td>
<td>Cs-134, Cs-137, Ru-103, Ru-106, Sr-89</td>
<td>1,000</td>
<td>200</td>
</tr>
<tr>
<td>Group 2</td>
<td>I-131, Sr-90</td>
<td>500</td>
<td>100</td>
</tr>
<tr>
<td>Group 3</td>
<td>U-235, U-238</td>
<td>100</td>
<td>20</td>
</tr>
<tr>
<td>Group 4</td>
<td>Am-141, Pu-238, Pu-239, Pu-240, Pu-242</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>H-3</td>
<td>100kBq/ℓ</td>
<td></td>
</tr>
</tbody>
</table>

1. Standards for Determining Carry-Out or Consumption Control

2. Methods of Carry-Out or Consumption Control

   (a) Food
   
   (1) Scraps contaminated food.
   
   (2) Prevents the sale and processing of contaminated food.
   
   (3) Prevents contaminated food from being mixed with non-contaminated food.

   (b) Beverage
   
   Blocks the source of contaminated drinking water.

   (c) Milk from cows that grazed in a contaminated area
   
   (1) Processes the milk into other types of food including cheese and preserves such processed food if the residual intensity of radioactivity is lower than the determined standard.
   
   (2) Scraps the milk if the residual intensity of radioactivity is not lower than the determined standard.

   (d) Agricultural/livestock products and animal feeds
   
   (1) Stores contaminated agricultural/livestock products temporarily and use them after a verification process in the case of contamination by nuclide with a short half life.
   
   (2) Scraps the products in the case of contamination by nuclide with a long half life.
### Standards for Radiological Disaster Response Facilities and Equipment

[Related with Article 18]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiation or radioactivity monitoring facilities</td>
<td>Checks any radiation leakage or radioactive contamination regularly and issues an alarm in the event of any radiation leakage or radioactive contamination.</td>
</tr>
<tr>
<td>Radiation protection equipment</td>
<td>Secures sufficient radiation measuring/protection equipment for safe activities by emergency staff.</td>
</tr>
<tr>
<td>Radioactivity decontamination facilities and equipment</td>
<td>Secures facilities and equipment that can measure radioactive contamination and perform decontamination in the event of a radiological disaster, etc.</td>
</tr>
<tr>
<td>Facilities to monitor and assess the amount of radioactive materials released</td>
<td>Calculates the amount of radioactive materials released to the outside and maintains a laboratory to constantly assess the impact thereof.</td>
</tr>
</tbody>
</table>
| Emergency response facilities including a main control room, technical support center, operations support center and emergency operations facilities | 1. Ensures that the main control room can give initial emergency notices inside and outside the site and take emergency measures to prevent the spread of a radiological accident.  
2. Ensures that the technical support center provides support to main control room staff to keep them from performing affairs not directly relevant to emergency measures to prevent the spread of a radiological accident as well as appropriate technical/administrative assistance.  
3. Ensures that the operations support center has emergency maintenance staff in a stand-by position, establishes a cooperative system with the staff of the main control room.technical support center.emergency operations facilities and supports emergency response activities.  
4. Ensures that the emergency operations facilities can supervise/coordinate emergency response activities in the event of a radiological disaster.  
5. Ensures that the main control room.technical support center.operations support center.emergency operations facilities, etc. are equipped with facilities to minimize exposure to radiation.  
6. Ensures that emergency response facilities secure space needed for performance of respective duties and equipment necessary for operation thereof.  
7. Ensures that emergency response facilities formulate an evacuation plan and designate spare facilities to brace for radioactive contamination. |
<table>
<thead>
<tr>
<th>Facilities for emergency communication with related institutions and alarms</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Secures facilities for emergency communication with the Nuclear Safety and Security Commission, local governments that have jurisdiction over all or a part of a radiological emergency planning zone and designated institutions under Article 7 (3) of the Decree.</td>
</tr>
<tr>
<td>2. Installs alarms and broadcasting equipment to inform all people within the relevant nuclear facilities of occurrence of a radiological disaster, etc. in the event of such incident.</td>
</tr>
<tr>
<td>3. Installs alarms and broadcasting equipment to inform people residing within a 2-kilometer radius from the relevant nuclear facilities (radiological emergency planning zone in the case of those who obtained a permit to construct/operate a nuclear reactor for research and related facilities) of occurrence of a radiological disaster, etc.. Provided, that said provision shall not apply to nuclear licensees set out in Article 2 (1) 10 (d) through Article 2 (1) 10 (i) of the Act.</td>
</tr>
</tbody>
</table>
[Table 7]

**Training Hours and Details Regarding Radiological Emergency Training**

*[Related with Article 19]*

1. Training Hours

<table>
<thead>
<tr>
<th>Training Targets</th>
<th>Training Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employees of a nuclear licensee</td>
<td></td>
</tr>
<tr>
<td>Employees engaged in radiological emergency-related affairs</td>
<td>No less than 18 hours within 6 months from hiring as employees in charge of radiological emergency-related affairs</td>
</tr>
<tr>
<td></td>
<td>No less than 8 hours per annum. provided, that no less than 2 hours in case of receipt of refresher training no less than 3 times</td>
</tr>
<tr>
<td>Employees not engaged in radiological emergency-related affairs</td>
<td>No less than 4 hours within 6 months from hiring as employees</td>
</tr>
<tr>
<td></td>
<td>No less than 2 hours every 3 years</td>
</tr>
<tr>
<td>Radiological emergency staff designated by the metropolitan city mayor/provincial governor and city mayor/county chief/district chief who have competent jurisdiction of all or a part of a radiological emergency planning zone</td>
<td>No less than 18 hours within 6 months from designation as radiological emergency staff</td>
</tr>
<tr>
<td></td>
<td>No less than 8 hours per annum</td>
</tr>
<tr>
<td>Radiological emergency medical staff designated by the heads of primary and secondary radiological emergency medical institutions under Article 39 (2)</td>
<td>No less than 18 hours within 6 months from designation as radiological emergency medical staff</td>
</tr>
<tr>
<td></td>
<td>No less than 8 hours per annum</td>
</tr>
<tr>
<td>Employees of organizations or institutions determined and publicly announced by the Nuclear Safety and Security Commission</td>
<td>No less than 8 hours within 6 months from hiring as employees in charge of radiological emergency-related affairs</td>
</tr>
<tr>
<td>Employees engaged in radiological emergency-related affairs</td>
<td>No less than 4 hours per annum. provided, that no less than 2 hours in case of receipt of refresher training no less than 3 times</td>
</tr>
<tr>
<td>Employees not engaged in radiological emergency-related affairs</td>
<td>No less than 2 hours within 6 months from hiring as employees</td>
</tr>
<tr>
<td></td>
<td>No less than 2 hours every 3 years</td>
</tr>
</tbody>
</table>
# 2. Training Details

<table>
<thead>
<tr>
<th>Training Targets</th>
<th>Training Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employees of a nuclear licensee</td>
<td>- Laws pertaining to radiological emergency</td>
</tr>
<tr>
<td></td>
<td>- General affairs pertaining to radiological emergency</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to emergency measures to prevent the spread of a radiological accident</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to accident analysis and evaluation</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to radiological measurement and monitoring</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to radiological protection measures</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to fire containment</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to emergency rescue</td>
</tr>
<tr>
<td>Employees not engaged in radiological emergency-related affairs</td>
<td>- Laws pertaining to radiological emergency</td>
</tr>
<tr>
<td></td>
<td>- General affairs pertaining to radiological emergency</td>
</tr>
<tr>
<td>Radiological emergency staff designated by the metropolitan city mayor/provincial governor and city mayor/county chief/district chief who have competent jurisdiction of all or a part of a radiological emergency planning zone</td>
<td>- Laws pertaining to radiological emergency</td>
</tr>
<tr>
<td></td>
<td>- General affairs pertaining to radiological emergency</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to radiological disaster control</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to radiological measurement and monitoring</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to radiological protection measures</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to public protection</td>
</tr>
<tr>
<td>Radiological emergency medical staff designated by the heads of primary and secondary radiological emergency medical institutions under Article 39 (2)</td>
<td>- Laws pertaining to radiological emergency</td>
</tr>
<tr>
<td></td>
<td>- General affairs pertaining to radiological emergency</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to radiological protection measures</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to radiological emergency medical care</td>
</tr>
<tr>
<td>Employees of organizations or institutions determined and publicly announced by the Nuclear Safety and Security Commission</td>
<td>- Laws pertaining to radiological emergency</td>
</tr>
<tr>
<td></td>
<td>- General affairs pertaining to radiological emergency</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to radiological disaster control</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to radiological protection measures</td>
</tr>
<tr>
<td></td>
<td>- Affairs pertaining to public protection</td>
</tr>
<tr>
<td>Employees not engaged in radiological emergency-related affairs</td>
<td>- Laws pertaining to radiological emergency</td>
</tr>
<tr>
<td></td>
<td>- General affairs pertaining to radiological emergency</td>
</tr>
</tbody>
</table>
[Form 1]

Application for Approval of Physical Protection Regulations, etc.

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Processing period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>60 days</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Head office</th>
<th>Name</th>
<th>Telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Representative's name</th>
<th>Resident registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Place of business</th>
<th>Name</th>
<th>Location</th>
<th>Telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

To the Nuclear Safety and Security Commission:

Pursuant to Article 9 (1) of the Act for Physical Protection and Radiological Emergency, Article 17 (1) of the Enforcement Decree thereof and Article 2 (1) of the Enforcement Regulation thereof, I hereby apply for approval of physical protection regulations, etc.

(Date)

Applicant (Seal)

※ Attached documents
1. Two copies of the documents on physical protection facilities/equipment and operation systems thereof
2. Two copies of the documents on the regulations for physical protection of nuclear facilities, etc.
3. Two copies of the documents on planned measures regarding illegal trafficking of nuclear materials and threats to nuclear facilities, etc.

This written application is processed as follows:

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Processing agency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The Nuclear Safety and Security Commission</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Preparation of application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receipt</td>
</tr>
<tr>
<td>Document review</td>
</tr>
<tr>
<td>Preparation of written approval</td>
</tr>
</tbody>
</table>

Issuance of written approval
[Form 2]  

No. ___

Approval of Physical Protection Regulations, etc.

Company name: 
Location: 
Representative: 
Name of the place of business: 
Conditions of approval: 
Date of approval: 

Pursuant to the main text of Article 9 (1) of the Act for Physical Protection and Radiological Emergency and Article 2 (3) of the Enforcement Regulation thereof, I hereby approve the physical protection regulations, etc. 

(Date) 

The Nuclear Safety and Security Commission (Seal) 

(Back)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Details of change</th>
<th>Cause of change</th>
<th>Confirmation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
Application for Approval of Change in Physical Protection Regulations, etc.

<table>
<thead>
<tr>
<th>Head office</th>
<th>Name</th>
<th>Telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident registration number</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Place of business

<table>
<thead>
<tr>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
</tr>
<tr>
<td>Telephone number</td>
</tr>
</tbody>
</table>

Details of change

Cause of change

To the Nuclear Safety and Security Commission:

Pursuant to Article 9 (1) of the Act for Physical Protection and Radiological Emergency, Article 17 (2) of the Enforcement Decree thereof and Article 3 (1) of the Enforcement Regulation thereof, I hereby apply for approval of change in physical protection regulations, etc.

(Date)  (Signature or seal)

※ Attached documents
1. Two copies of the documents pertaining to the change among the documents attached to the application for approval of physical protection regulations, etc.
2. Written approval of physical protection regulations, etc.

This written application is processed as follows:

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Processing agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Nuclear Safety and Security Commission</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Preparation of application</th>
<th>Receipt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issuance of written approval</td>
<td>Document review</td>
</tr>
<tr>
<td></td>
<td>Preparation of written approval</td>
</tr>
</tbody>
</table>
Enforcement Rule of the Act on Physical Protection and Radiological Emergency

[Form 4]

<table>
<thead>
<tr>
<th>Report of Change in Minor Matters</th>
<th>Processing period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company name</td>
<td>Business registration number</td>
</tr>
<tr>
<td>Location</td>
<td>(Telephone number: )</td>
</tr>
<tr>
<td>Representative's name</td>
<td>Resident registration number</td>
</tr>
<tr>
<td>Name of the place of business</td>
<td>(Telephone number: )</td>
</tr>
<tr>
<td>Location of the place of business</td>
<td>Officer in charge</td>
</tr>
<tr>
<td>Department in charge</td>
<td>Approval date</td>
</tr>
<tr>
<td>Approval number</td>
<td>Details of change</td>
</tr>
</tbody>
</table>
| Cause of change                   | }

To the Nuclear Safety and Security Commission:

Pursuant to the proviso of Article 9 (1) of the Act for Physical Protection and Radiological Emergency except those provided in each subparagraph thereof and Article 4 (2) of the Enforcement Regulation of said Act, I hereby report a change in physical protection regulations, etc.

(Date)

Applicant (Signature or seal)

※ Attached documents
1. Two copies of the documents pertaining to a report of change in physical protection regulations, etc.
2. Written approval of physical protection regulations, etc.

This written application is processed as follows:

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Processing agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Nuclear Safety and Security Commission</td>
<td></td>
</tr>
</tbody>
</table>

Report → Receipt

Notification → Document review
### Application for Initial Inspection

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Head office</th>
<th>Name</th>
<th>Telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Name</td>
<td>Resident registration number</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Address</td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Place of business</th>
<th>Name</th>
<th>Location</th>
<th>Telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

**Date of inspection**

To the Nuclear Safety and Security Commission:

Pursuant to Article 12 (1) of the Act for Physical Protection and Radiological Emergency, Article 18 (3) of the Enforcement Decree thereof and Article 7 (1) of the Enforcement Regulation thereof, I hereby apply for an initial inspection.

(Date)

Applicant (Signature or seal)

※ Attached documents

1. Two copies of the documents on physical protection facilities/equipment and the operation system thereof
2. Two copies of the documents on the regulations for physical protection of nuclear facilities, etc.
3. Two copies of the documents on planned measures concerning illicit trafficking of nuclear materials and threats to nuclear facilities, etc.
Application for Transportation Inspection

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Head office</th>
<th>Name</th>
<th>Telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Representative’s name</td>
<td>Resident registration number</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>Place of business</td>
<td></td>
<td>Name</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Location</td>
<td>Telephone number</td>
</tr>
</tbody>
</table>

Date of transportation

Place of forwarding/ Destination

To the Nuclear Safety and Security Commission:

Pursuant to Article 12 (1) of the Act for Physical Protection and Radiological Emergency, Article 18 (3) of the Enforcement Decree thereof and Article 7 (1) of the Enforcement Regulation thereof, I hereby apply for a transportation inspection.

(Date)  
Applicant  (Signature or seal)

* Attached documents
Two copies of the documents pertaining to an application for transportation inspection including each of the following:
1. Organization responsible for transportation security and officer in charge
2. Type and quantity of nuclear materials to be transported
3. Transportation route and expected arrival time
4. Communication system during transportation
5. Expected accident and emergency response system
6. Other matters necessary for transportation security
[Form 7]

<table>
<thead>
<tr>
<th>Application for Change in Transportation Inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Applicant</strong></td>
</tr>
<tr>
<td><strong>Head office</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Place of business</strong></td>
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<tr>
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<tr>
<td></td>
</tr>
</tbody>
</table>

To the Nuclear Safety and Security Commission:

Pursuant to Article 12 (1) of the Act for Physical Protection and Radiological Emergency, Article 18 (3) of the Enforcement Decree thereof and Article 7 (4) of the Enforcement Regulation thereof, I hereby apply for a change in a transportation inspection.

(Date)

Applicant (Signature or seal)

※ Attached documents
Two copies of the written cause of application for change
[Form 8]

<table>
<thead>
<tr>
<th>Application for Approval of Radiological Emergency Plan</th>
<th>Processing period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90 days</td>
</tr>
</tbody>
</table>

| | Name | Telephone number |
| | | |
| | Representative’s name | Resident registration number |
| | | |
| | Address | |
| | | |
| | Name | Location |

| To the Nuclear Safety and Security Commission: |
| Pursuant to the main text of Article 20 (1) of the Act for Physical Protection and Radiological Emergency, Article 22 (1) of the Enforcement Decree thereof and Article 10 (1) of the Enforcement Regulation thereof, I hereby apply for approval of the radiological emergency plan. |
| (Date) |
| Applicant | (Signature or seal) |

※ Attached documents
Five copies of the radiological emergency plan

This written application is processed as follows:

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Processing agency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The Nuclear Safety and Security Commission</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Preparation of application</th>
<th>Receipt</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Document review</td>
</tr>
<tr>
<td></td>
<td>Preparation of written approval</td>
</tr>
</tbody>
</table>

802
No. ____

Approval of Radiological Emergency Plan

Company name:
Location:
Representative:
Name of the place of business:
Conditions of approval:
Date of approval:

Pursuant to the main text of Article 20 (1) of the Act for Physical Protection and Radiological Emergency and Article 10 (3) of the Enforcement Regulation thereof, I hereby approve the radiological emergency plan as specified above.

(Date)

The Nuclear Safety and Security Commission (Seal)

| Number | Date | Details of change | Cause of change | Confirmation |
|--------|------|-------------------|-----------------|--------------|-------------|
|        |      |                   |                 |              |             |
|        |      |                   |                 |              |             |
|        |      |                   |                 |              |             |
|        |      |                   |                 |              |             |
|        |      |                   |                 |              |             |
|        |      |                   |                 |              |             |
|        |      |                   |                 |              |             |
[Form 10]

Application for Approval of Change in Radiological Emergency Plan

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Head office</th>
<th>Name</th>
<th>Telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Representative’s name</td>
<td></td>
<td>Resident registration number</td>
</tr>
<tr>
<td></td>
<td>Address</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Place of business</td>
<td>Name</td>
<td></td>
<td>Location</td>
</tr>
<tr>
<td>Details of change</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cause of change</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

To the Nuclear Safety and Security Commission:

Pursuant to the main text of Article 20 (1) of the Act for Physical Protection and Radiological Emergency, Article 22 (2) of the Enforcement Decree thereof and Article 11 (1) of the Enforcement Regulation thereof, I hereby apply for approval of change in the radiological emergency plan as specified above.

(Date)
(Applicant) (Signature or seal)

※ Attached documents
1. Five copies of a radiological emergency plan related with changed portions in the approved radiological emergency plan
2. Written approval of the radiological emergency plan

This written application is processed as follows:

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Processing agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation of application</td>
<td>Receipt</td>
</tr>
<tr>
<td>Issuance of written approval</td>
<td>Preparation of written approval</td>
</tr>
<tr>
<td></td>
<td>Document review</td>
</tr>
</tbody>
</table>
[Form 11]

## Report of Change in Minor Matters

<table>
<thead>
<tr>
<th>Company name</th>
<th>Business registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location</strong></td>
<td>(Telephone number: )</td>
</tr>
<tr>
<td><strong>Representative's name</strong></td>
<td><strong>Resident registration number</strong></td>
</tr>
<tr>
<td><strong>Name of the place of business</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Location of business</strong></td>
<td>(Telephone number: )</td>
</tr>
<tr>
<td><strong>Department in charge</strong></td>
<td><strong>Officer in charge</strong></td>
</tr>
<tr>
<td><strong>Approval number</strong></td>
<td><strong>Approval date</strong></td>
</tr>
</tbody>
</table>

**Details of change**

**Cause of change**

To the Nuclear Safety and Security Commission:

Pursuant to the proviso of Article 20 (1) of the Act for Physical Protection and Radiological Emergency and Article 12 (2) of the Enforcement Regulation thereof, I hereby report a change in the radiological emergency plan.

(Date)

Applicant

(Signature or seal)

※ Attached documents
1. Three copies of the documents pertaining to a report of change out of the radiological emergency plan
2. Written approval of the radiological emergency plan

This written report is processed as follows:

```
<table>
<thead>
<tr>
<th>Applicant</th>
<th>Processing agency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The Nuclear Safety and Security Commission</td>
</tr>
</tbody>
</table>
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```
Report  Receipt
```

```
Notification  Document review
```
[Form 12]

Application for Designation as Radiological Emergency Training Institution

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Processing period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30 days</td>
</tr>
</tbody>
</table>

| | Name | Corporate registration number |
|-----------|-------------------|
| | Primary office (Location) | Telephone number |
| | Name of Representative | Resident registration number |

To the Nuclear Safety and Security Commission:

Pursuant to Article 36 (2) of the Act for Physical Protection and Radiological Emergency and Article 20 (1) of the Enforcement Regulation thereof, I hereby apply for designation as a radiological emergency training institution as specified above.

(Date)

Applicant (Signature or seal)

Documents to be submitted by Applicant

1. Three copies of the status of instructors
2. Three copies of the training implementation procedures or regulations
3. One copy of the status of training-related equipment and facilities

Matters to be checked by Public Official

Public officials in charge shall confirm a certified copy of the applicant's corporate register (to the extent that the applicant is a juridical person) through the administrative information sharing system under Article 38 (1) of the Act on Promotion of the Digitalization of Administrative Affairs, etc. for Creation of Electronic Government. Provided, that if the applicant refuses to give consent to such check, the applicant shall submit a certified copy of corporate register by himself.

I hereby, with regard to processing of this application, agree the above confirmation by public officials in charge through the administrative information sharing system under Article 38 (1) of the Act on Promotion of the Digitalization of Administrative Affairs, etc. for Creation of Electronic Government.

Applicant (Seal)

This written application is processed as follows:

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Processing agency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The Nuclear Safety and Security Commission</td>
</tr>
</tbody>
</table>

Preparation of application

Receipt

Document review

Preparation of letter of designation

Issuance of letter of designation
[Form 13]

No. ___

**Designation of Radiological Emergency Training Institution**

Name of the Institution:
Location:
Representative's name:
Address:
Date of Birth:

I hereby designate the institution above as a radiological emergency training institution in accordance with Article 36 (2) of the Act for Physical Protection and Radiological Emergency and Article 20 (4) of the Enforcement Regulation thereof.

(Date)

The Nuclear Safety and Security Commission (Seal)
[Form 14]

Application for Designation as a Radiological Emergency Medical Institution

| Applicant | | | |
|-----------|-----------|-----------|
| Name      | Telephone number |
| Representative's name | Resident registration number |
| Address |

Type of emergency medical institution

To the Nuclear Safety and Security Commission:

Pursuant to Article 39 (3) of the Act for Physical Protection and Radiological Emergency, Article 36 (3) of the Enforcement Decree thereof and Article 23 (1) of the Enforcement Regulation thereof, I hereby apply for designation as a radiological emergency medical institution as specified above.

(Date)
Applicant (Signature or seal)

※ Attached documents
1. One copy of the permit for opening of a medical institution
2. Three copies of the current status and operation plan of radiological emergency medical facilities, staff, equipment, etc.

This written application is processed as follows:

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Processing agency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The Nuclear Safety and Security Commission</td>
</tr>
</tbody>
</table>

- Preparation of application → Receipt → Document review → Preparation of letter of designation
No. ___

**Designation as a Radiological Emergency Medical Institution**

Name of the institution:

Location :

Representative:

Date of Birth:

Pursuant to Article 39 (3) of the Act for Physical Protection and Radiological Emergency, Article 36 (3) of the Enforcement Decree thereof and Article 23 (3) of the Enforcement Regulation thereof, I hereby designate said institution as a (primary/secondary) radiological emergency medical institution.

(Date)

The Nuclear Safety and Security Commission (Seal)
Act on Protective Action Guidelines against Radiation in the Natural Environment
Act on Protective Action Guidelines against Radiation in the Natural Environment

Chapter I  General Provisions

Article 1 (Purpose)

The purpose of this Act is to prescribe those matters concerning safety management of radiation encountered in environments, thereby protecting the public health and the environment and improving quality of life while contributing to public safety.

Article 2 (Definitions)

The terms used in this Act shall be defined as follows: <Amended, Jan. 15, 2019>
1. The term “Radiation in the natural environment” shall mean any of the following:
   (a) Radiation emitted from natural radionuclides contained in raw materials, residues, and products: Provided, That radiation emitted from nuclear materials that are managed in accordance with the Nuclear Safety Act shall be excluded here from;
   (b) Radiation that enters the Earth’s atmosphere from the Sun or space (hereinafter referred to as “cosmic radiation”);
   (c) Radiation emitted from rocks or soil found on the surface of the Earth (hereinafter referred to as “terrestrial radiation”);
(d) Radiation emitted from radioactive materials contained in scrap metal that is collected, sold, or recycled, domestically or internationally (hereinafter referred to as “recycled scrap metal”);  
2. The term “raw materials” means materials that contain natural radionuclides, such as uranium 235, uranium 238, thorium 232, radon 220 and radon 222, etc. or nuclides within each of their decay series, as well as potassium 40, the concentration and amount of which exceed levels determined and published by the Nuclear Safety and Security Commission (hereinafter referred to as the “Nuclear Safety and Security Commission”) under Article 3 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission.  
3. The term “residues” means materials generated incidentally in facilities handling source or other materials and containing natural radionuclides whose concentration exceeds levels determined and published by the Nuclear Safety and Security Commission.  
4. The term “products” means products created by processing source materials or process by-products or using these as a base material.

**Article 3 (Responsibilities of the State)**

The State shall establish a plan for the safety management of radiation in the natural environment in order to protect the public health and the environment from radiation in the natural environment.

**Article 4 (Relationship to other Acts)**

Except as otherwise provided in other Acts, this Act shall govern all matters concerning safety management of radiation in the natural environment.

**Chapter II Establishment, etc. of Comprehensive Plans for Protection from Radiation in the Natural Environment**

**Article 5 (Formulation of Comprehensive Plan for Protection from Radiation in the Natural Environment)**

(1) In order to protect citizen’s health and environment from radiation in the natural environment, the Nuclear Safety and Security Commission
shall formulate a five-year comprehensive plan for radiation in the natural environment protection (hereinafter referred to as "comprehensive plan"), consulting with the heads of related central administrative agencies.

(2) A comprehensive plan shall include the following matters:
1. Objectives, and the basic direction, of policies on protection from radiation in the natural environment;
2. Environmental protection from radiation in the natural environment;
3. Current status and prospects of safety control of radiation in the natural environment;
4. Research and development with regard to radiation in the natural environment;
5. Investigation and analysis on source materials, by-products from processing, and processed products;
6. Treatment, disposal, or recycling of by-products from processing;
6-2. Matters concerning the measures related to processed products that do not conform to the safety standards prescribed in Article 15
7. Matters necessary to establish a system for safety control of cosmic rays, terrestrial radiation, etc.;
8. Other matters specified by Presidential Decree as necessary for safety control of radiation in the natural environment.

Article 6 (Establishment, etc. of Annual Implementation Plans)

(1) The Nuclear Safety and Security Commission shall every year establish an annual implementation plan for the comprehensive plan in consultation with the heads of related central administrative agencies, as prescribed by Presidential Decree, and notify the heads of related central administrative agencies thereof.
(2) The heads of related central administrative agencies shall implement matters concerning the business within their remit among the annual implementation plans of which they are notified pursuant to paragraph (1).

Article 7 (Implementation of Research and Development Projects Related to Radiation in the Natural Environment)

(1) The Nuclear Safety and Security Commission may conclude an agreement with those institutions or organizations falling under each subparagraph of Article 14 (1) of the Basic Research Promotion and Technology Development Support Act and for the purpose of efficiently
implementing comprehensive plans consign them to engage in research and development projects related to radiation in the natural environment.

(2) The Government may contribute all or part of the expenses incurred in the implementation of research and development projects under paragraph (1).

Article 8 (Preparation, Distribution, etc. of Safety Guidelines)

(1) The Nuclear Safety and Security Commission shall prepare the safety guidelines necessary for safety management of radiation in the natural environment and distribute it to the handlers and registered manufacturers referred to in Article 9 and air transportation business operators, etc. referred to in Article 18.

(2) The safety guidelines under paragraph (1) shall include the following:

1. Matters regarding the methods and procedures of treatment, disposal or recycling of residues under Article 13 (2);
2. Matters to be observed in the handling and managing of raw materials or residues stipulated by Article 14;
3. Matters regarding the safety standards for products stipulated by Article 15;
4. Matters regarding safety measures for people at risk of exposure to cosmic or terrestrial radiation.

(3) The Nuclear Safety and Security Commission shall establish plans to efficiently utilize the safety guidelines for safety management of radiation in the natural environment, such as notifying the heads of related central administrative agencies of the safety guidelines prepared in response to paragraph (1).

Chapter III Management of Raw Materials, Residues, and Products

Article 9 (Registration of Handlers of Raw Materials and By–Products from Processing and Manufacturers of Processed Products)

(1) A person who falls under any of the following shall registered with the Nuclear Safety and Security Commission the types and quantities of the raw materials or processing by–products, types of processed
products, and quantities of raw materials or processing by-products used in the product concerned, etc. In this case, the standards for registration shall be prescribed by Presidential Decree in consideration of the facilities, equipment, etc.

1. Anyone who intends to mine, export, import or sell raw materials;
2. Anyone who intends to export, import or sell residues;
3. Anyone operating facilities generating residues;
4. Anyone who intends to treat, dispose of or recycle residues;
5. A person intending to manufacture or import/export a processed product.

(2) Subject to registration pursuant to paragraph (1) shall be a person intending to handle and/or use more than the quantity prescribed by Presidential Decree in cases where the radioactivity concentration of natural radionuclides:
1. Potassium 40: Exceeding 10 Bq/g;
2. Other natural radionuclides: Exceeding 1 Bq/g.

(3) In case a person who has registered in accordance with the following paragraphs as he/she falls under any of paragraph (1) 1 through 4 (hereinafter referred to as “handler”) or a person who has registered in accordance with the same paragraphs as he/she falls under paragraph (1) 5 (hereinafter referred to as “registered manufacturer”) wishes to change the registered matters, he/she shall report to the Nuclear Safety and Security Commission:

(4) A person intending to register pursuant to paragraph (1) shall submit a registration application form to the Nuclear Safety and Security Commission with the documents prescribed by Ordinance of the Prime Minister attached thereto.

(5) The specific matters concerning the procedures and methods of registration and registration change pursuant to paragraphs (1) and (3) shall be prescribed by Ordinance of the Prime Minister.

**Article 10** (Succession of Position of Handlers and Registered Manufacturers)

(1) When a handlers and registered manufacturers transfers his/her business or dies, or when corporations are merged, any transferee, inheritor, or corporation surviving the merger or established as a result of the merger shall succeed the status of the handlers and registered manufacturers.

(2) Anyone who assumes all the facilities or equipment related to the raw materials or residues according to an auction under the Civil Execution Act, conversion under the Debtor Rehabilitation and Bankruptcy Act, the sale of seized property under the National Tax
Collection Act, the Customs Act or the Framework Act on Local Taxes, or any other procedures corresponding thereto, shall succeed the status of the handler and registered manufacturers under this Act.

(3) A person who has succeeded the status of a handlers and registered manufacturers pursuant to paragraph (1) or (2) shall report thereon to the Nuclear Safety and Security Commission within one month of such succession, as prescribed by the Ordinance of the Prime Minister.

Article 11 (Management of Import and Export of Raw Materials, By-Products from Processing and Processed Products)

(1) In case a handler or a registered manufacturer imports or exports a raw material, by-product from processing or processed product, he/she shall report to the Nuclear Safety and Security Commission each time such is imported or exported.

(2) Procedures for report of export or import under paragraph (1) shall be determined by the Nuclear Safety and Security Commission in consultation with the heads of related central administrative agencies.

Article 12 (Records, Retention and Report)

(1) Handlers and registered manufacturers shall record and retain the information on the current status of acquisition, generation, retention, sales and disposal of raw materials, by-products from processing and processed products (hereinafter referred to as “distribution status”) and the results of medical examinations referred to in Article 14 (1) and report them to the Nuclear Safety and Security Commission.

(2) Necessary matters for the recording, maintaining and reporting the current status of distribution, such as details to be recorded by handlers and registered manufacturers pursuant to paragraph (1), period of maintenance of records, and timing and method of report shall be determined by the Ordinance of the Prime Minister.

(3) The Nuclear Safety and Security Commission may request that the heads of related central administrative agencies submit relevant data or provide any other necessary cooperation in the management of the current status of distribution. In such cases, the heads of related central administrative agencies shall comply with requests, unless extenuating circumstances exist.

Article 13 (Treatment, Disposal or Recycling of Residues)
(1) When a handler intends to treat, dispose of or recycle residues, he/she shall report to the Nuclear Safety and Security Commission thereon, as prescribed by the Ordinance of the Prime Minister.
(2) Matters necessary for the treatment, disposal, or recycling of residues shall be prescribed by Presidential Decree.

Article 14 (Matters to be Observed in Handling and Managing Raw Materials or Residues)

(1) Handlers and registered manufacturers shall comply with the following matters in order to protect the environment and the workers concerned when handling and managing raw materials or by-products from processing.
1. Install facilities or provide necessary measures for the prevention of fire and inundation;
2. Install facilities or provide the necessary measures for the prevention of raw materials or residues from diffusing into the air;
3. Monitor and control activity concentrations or radiation doses in locations, where raw materials or residues are handled;
4. Investigate and analyze the volume of radiation in the natural environment to which people engaged in the handling and managing of raw materials or residues are annually exposed;
5. Diagnose the health of the workers handling and managing raw materials or by-products from processing in accordance with the matters prescribed by Presidential Decree.
(2) Handlers and registered manufacturers shall take safety measures prescribed by Presidential Decree in order to improve the working environment and protect the health of workers according to the results of the investigation and analysis specified in paragraph (1) 4 and the medical examination results specified in paragraph (1) 5.

Article 15 (Safety Standards for Products)

(1) Anyone who engages in the manufacture or export or import of products (hereinafter referred to as “manufacturer”) shall only manufacture or export or import products that meet each of the following standards (hereinafter referred to as “safety standard”):
1. Materials of products that contain natural radionuclides shall not be diffused or leak into the air;
2. When products contact a human body, the natural radionuclides contained in such products shall not be transferred to the human body;
3. The sum of the radiation dose exposed to the outside and inside of a human body as a result of a processed product shall not exceed the standard determined and publicly announced by the Nuclear Safety and Security Commission:

4. The activity concentration and amount contained in products shall not exceed limits determined and published by the Nuclear Safety and Security Commission.

(2) Notwithstanding paragraph (1), manufacturers shall not manufacture, import or export any of the following products:
1. Products to which a raw material or a by-product from processing was added to induce an effect from radiation such as ionization and excitation;
2. Products worn on the body, used in contact with the body for prolonged periods of time, etc. determined and publicly announced by the Nuclear Safety and Security Commission.

**Article 15-2** (Prohibition against Exaggerated Labeling or Advertising)

Manufacturers shall not label or advertise their processed products as though ionization, excitation, etc. caused by the radiation emitted therefrom are beneficial for human health or the environment (referring to the labeling and advertising prescribed in Article 2 subparagraphs 1 and 2, respectively, of the Act on Fair Labeling and Advertising).

**Article 16** (Measures against Defective Products)

(1) hen a manufacturer become aware of the fact that their processed product does not conform to the safety standards or any of the facts falling under the subparagraphs of Article 15 (2), he/she shall make it public and take the necessary measures such as supplementation, exchange, recall and disposal.

(2) In case of taking a measure pursuant to paragraph (1), the manufacturer shall take the necessary measures to protect the environment and the workers performing related work in accordance with the matters prescribed by Presidential Decree.

(3) In case of taking a measure pursuant to paragraph (1), the manufacturer shall report to the of taking a measure pursuant to paragraph (1), the manufacturer in accordance with the matters prescribed by Ordinance of the Prime Minister.
Article 17 (Order for Disposal of Defective Products)

(1) In case a processed product does not conform to the safety standards or falls under any of the subparagraphs of Article 15 (2), the Nuclear Safety and Security Commission may order the manufacturer concerned to publicize it and/or take related measures in accordance with Article 16 (1) according to the procedure prescribed by Presidential Decree.

(2) In case the individual who received an order pursuant to paragraph (1) does not fulfill the order, the Nuclear Safety and Security Commission may make a public announcement regarding the matters concerning the processed product in question in accordance with the matters prescribed by Presidential Decree and initiate vicarious execution in accordance with the Administrative Vicarious Execution Act.

Article 18 (Safety Management, etc. of Cosmic Radiation)

(1) An air transportation business operator prescribed by Presidential Decree (hereinafter referred to as “air transportation business operator”) shall make efforts to protect the health and safety of any flight crew and cabin crew who are at risk of being exposed to cosmic radiation.

(2) The scope of the flight crew and cabin crew under paragraph (1) (hereinafter referred to as “crew”) shall be determined by Presidential Decree in consideration of route, altitude, and frequency of flight.

(3) An air transportation business operator shall investigate and analyze the following:
   1. The amount of cosmic radiation to which crew is exposed in each route;
   2. The annual amount of cosmic radiation to which crew is exposed.

(4) An air transportation business operator shall take necessary measures, as prescribed by Presidential Decree, for the protection of the health and safety of its crew, based upon the results of investigation and analysis performed for each subparagraph in paragraph (3).

(5) The heads of central administrative agencies responsible for the supervision of air transportation business operators shall determine and publish those details necessary for safety management of cosmic radiation, such as the investigation and analysis of each subparagraph in paragraph (3) and the procedures, methods, etc. for the implementation of safety measures under paragraph (4). In such cases, they shall first consult with the Nuclear Safety and Security Commission.
Chapter IV Installation and Operation of Radiation and Radioactivity Monitors

Article 19 (Installation, etc. of Monitors at Airports and Harbors)

(1) The Nuclear Safety and Security Commission shall install and operate radiation and radioactivity monitors (hereinafter referred to as “monitor”) at airports and harbors for the purpose of safety management of radiation in the natural environment falling under subparagraph 1 (a) and (d) of Article 2, in consultation with the heads of related central administrative agencies.
(2) An airport operator under Article 111-2 (1) of the Aviation Act (hereinafter referred to as “airport operator”) or an air carrier and a person who operates harbor facilities under subparagraph 5 of Article 2 of the Harbor Act (hereinafter referred to as “harbor facility operator”) shall cooperate with the Nuclear Safety and Security Commission in installing monitors pursuant to paragraph (1).
(3) The Commission may entrust the operation of monitoring appliances installed pursuant to paragraph 1 to air transportation service providers and harbor facility operators.
(4) The scope of airports and harbors subject to the installation of monitors under paragraph (1), matters necessary for the installation and operation of monitors, and necessary entrustment matters, such as those monitors that may be entrusted pursuant to paragraph (3) and the scope thereof, shall be prescribed by Presidential Decree.

Article 20 (Installation of Monitors by Handlers of Recycled Scrap Metal)

(1) A person who sells or uses recycled scrap metal (hereinafter “handler of recycled scrap metal”) shall install and operate monitors for the purpose of safety management of radiation in the natural environment, falling under subparagraph 1 (d) of Article 2.
(2) The scope of the handlers of recycled scrap metal who are obliged to install and operate monitors pursuant to paragraph (1) and necessary matters for the installation and operation of monitors shall be prescribed by Presidential Decree.

Article 20-2 (Operation and management of monitoring appliances)
(1) Air transportation service providers, harbor facility operators entrusted with the operation of monitoring appliances pursuant to Article 19 (3), and recycled steel scrap handlers who have installed monitoring appliances pursuant to Article 20 (1) ("operators of monitoring appliances" hereinafter) shall adhere to the guidelines for the operation and management of monitoring appliances provided under the Prime Minister’s Decree so as to consistently maintain the reliability and accuracy of the outcome detected by the monitoring appliances.

(2) The Nuclear Safety and Security Commission may order business operators who fail to follow the guidelines on the operation or management of monitoring appliances as provided under paragraph 1 to take all necessary actions to ensure that the monitoring appliances are operated or managed in compliance with the guidelines for a given period.

Article 21 (Detection and Analysis of Suspicious Materials)

(1) The operators of monitoring appliances shall report to the Nuclear Safety and Security Commission the below–listed information obtained from their monitoring appliances when materials that exceed or are suspected to exceed the radioactive density determined and announced by the Commission ("significant materials" hereinafter):

However, this shall not apply when significant materials are detected from a raw material, by–product from processing or processed product declared pursuant to Article 11 or when significant materials are detected from nuclear materials or radioactive isotopes that have undergone the import/export procedures provided under Article 107 of the Nuclear Safety Act.

1. Date and place where significant materials are detected.
2. Owner of the significant materials.
3. Level of radiation and type of nuclide of the significant materials.
4. Isolated storage space of the significant materials.
5. Information concerning the import or export of the significant materials, including the exporting country, exporters and importers, or the domestic dealers (limited to recycled steel scrap handlers).
6. Other information provided under the Prime Minister’s Decree.

(2) When the Nuclear Safety and Security Commission receives a report pursuant to paragraph (1), it shall investigate and analyze each of the following matters, as prescribed by the Ordinance of the Prime Minister:

1. The concentration and type of radioactivity contained in the suspicious materials;
2. The purpose of the use and usage of suspicious materials;
3. Matters necessary for measures under Article 22 (1).

(3) When it is reported by the operators of monitoring appliances that significant materials have been detected by monitoring appliances installed at an airport or harbor, the Commission may request the head of the relevant central government agency to provide the necessary information to check the information under paragraph 1 Item 5, while the head of the relevant agency thus requested shall comply with such request unless there is a justifiable reason for not doing so.

**Article 22 (Measures against Suspicious Materials)**

(1) In any of the following cases, the Nuclear Safety and Security Commission may order relevant handlers, manufacturers, or handlers of recycled scrap metal to undertake measures such as the complementation, return, or collection of suspicious materials, or may undertake relevant measures independently:

1. In case a raw material, by-product from processing or processed product for which an import/export report was not filed in accordance with Article 11 is detected by the detector;
2. Where, according to the results of investigation and analysis under Article 21 (2), products containing suspicious materials fail to meet safety standards;
3. Where a monitor detects suspicious materials contained within recycled scrap metal.

(2) In case the individual who received an order pursuant to paragraph (1) does not fulfill it, the Nuclear Safety and Security Commission may make a public announcement regarding the matters concerning the suspicious material in question in accordance with the matters prescribed by Presidential Decree and initiate vicarious execution in accordance with the Administrative Vicarious Execution Act.

**Chapter V Supplementary Provisions**

**Article 23 (Investigation and Analysis of the Actual State of Safety Management of Radiation in the Natural Environment)**

(1) For the purpose of inspecting the actual state of safety management of radiation in the natural environment, the Nuclear Safety and Security Commission shall establish and implement annual investigation plans for the following matters, as prescribed by Presidential Decree:
1. The current status of the distribution of raw materials and residues and of the manufacture or export or import of products;
2. The activity concentration and the degree of environmental contamination surrounding the facilities operated by handlers or manufacturers;
3. Status of operation and management of monitoring appliances installed and operated by their operators;
4. Other matters necessary for safety management of radiation in the natural environment.

(2) The Commission shall notify those who have been selected as targets of investigation, including the handlers, manufacturers, operators of monitoring appliances etc. of the investigation plan under the Items of paragraph 1, including the date, reason for and details of the investigation seven days prior to investigation.

(3) Any public official conducting an investigation pursuant to paragraph (1) or a person entrusted with such investigation pursuant to Article 28 shall present to related persons a certificate indicating his/her authority and a document stating the date and time of investigation, his/her name, the period and purpose of visit, etc.

(4) When establishing comprehensive and annual implantation plans under Article 6, the Nuclear Safety and Security Commission shall reflect the results of investigation and analysis of the actual state of safety management of radiation in the natural environment.

**Article 24** (Report and Inspection)

(1) The Commission may order the handlers, manufacturers, and operators of monitoring appliances to report all necessary information or submit data or materials whenever it deems necessary to enforce this Act.

(2) Handlers, registered manufacturers and handlers of recyclable scrap metals shall receive inspection from the Nuclear Safety and Security Commission on a regular basis in accordance with the matters prescribed by Presidential Decree in regard to the handling, management, etc. of raw materials, by-products from processing and recyclable scrap metals that include radioactive materials. In this case, the inspection cycle shall be determined within the range of one to three years by Presidential Decree in consideration of the type and quantity of raw material or by-product from processing concerned, number of detectors in question, etc.
(3) The Nuclear Safety and Security Commission may have an affiliated public official enter the business establishment, factory, etc. to inspect the books, documents, facilities and any other materials or ask questions to the related persons and collect a minimum amount of sample for testing if such is deemed necessary for the enforcement of this Act.

(4) In case of performing an inspection pursuant to paragraphs (2) and (3), the person who is subject to the inspection shall be informed of the inspection plan in relation to the date and time, purpose, description, etc. at least seven days prior to the scheduled inspection:
Provided, That such is not necessary if it is an urgent situation or it is deemed that the purpose of the inspection cannot be attained if the inspection plan is made known.

(5) Public officials performing inspections pursuant to paragraphs (2) and (3) shall carry a badge that indicates their respective authorities and present it to the related persons.

(6) In case the results of the inspection performed pursuant to paragraph (2) or (3) fall short of the standards referred to in this Act or indicate a violation of this Act, the Nuclear Safety and Security Commission may order a corrective action or supplementation.

(7) The head of the central administrative agency supervising air transportation business operators may order an air transportation business operator to file a report or submit materials pursuant to paragraph (1). In this case, paragraphs (3) through (5) shall apply mutatis mutandis.

Article 25 (Management, etc. of Information on Radiation in the Natural Environment)

(1) The Nuclear Safety and Security Commission shall establish and operate a comprehensive information system on radiation in the natural environment in order to systemically manage information related to safety management of radiation in the natural environment, such as the current status of distribution of raw materials and residues, manufacture or export or import of products, and safety management of cosmic radiation.

(2) The air transportation service providers under Article 2 Item 35 of the Aviation Service Act (“air transportation service providers” hereinafter) and harbor facility operators under Article 2 Item 5 of the Harbor Act (“harbor facility operators” hereinafter) shall cooperate with the Commission on the installation of monitoring appliances.
**Article 26** (Development of Education Programs)

The Nuclear Safety and Security Commission may develop and operate education programs for people at risk of exposure to environmental radiation, with the purpose of raising their awareness of environmental radiation and enhancing the effectiveness of safety management of environmental radiation.

**Article 26-2** (Education of those responsible for the operation of monitoring appliances)

1. The operators of monitoring appliances shall ensure that personnel responsible for operating them undergo the education conducted by the Commission on the operation of monitoring appliances and actions to be taken against significant materials.
2. The methods and procedures for the methods and contents of the education provided under paragraph 1 and other necessary matters shall be prescribed by the Presidential Decree.

**Article 27** (Designation and Operation of Professional Organization for Radiation in the Natural Environment)

1. The Nuclear Safety and Security Commission may designate an institution as a professional organization (hereinafter referred to as “professional organization”) able to perform focused research and investigation on safety management of radiation in the natural environment, such as investigation and analysis of radiological concentrations in natural radionuclides, upon request by handlers, manufacturers, or handlers of recycled scrap metal.
2. A person who intends to be designated as a professional organization pursuant to paragraph (1) must be equipped with facilities, equipment, and human resources that meet the standards prescribed by Presidential Decree.
3. A person who intends to be designated as a professional organization pursuant to paragraph (1) shall prepare the application and accompanying documents prescribed by the Ordinance of the Prime Minister and submit them to the Nuclear Safety and Security Commission.
4. A professional organization under paragraph (1) may respond to the requests of handlers, etc. under Articles 9 through 15 to measure activity concentration, etc. in order to ensure the appropriateness of items to be registered as well as the credibility of the measurement results.
5. The Nuclear Safety and Security Commission may subsidize or aid all
or part of the expenses incurred in business performance by a specialized institution designated pursuant to paragraph (1).

**Article 28 (Entrustment of Business)**

(1) The Nuclear Safety and Security Commission may entrust parts of its business under this Act to professional organizations, as prescribed by Presidential Decree.

(2) The executives and employees of any professional organization who engage in business entrusted by the Nuclear Safety and Security Commission pursuant to paragraph (1) shall be deemed public officials for the application of Article 127 and Articles 129 through 132 of the Criminal Act.

(3) A professional organization entrusted with business pursuant to paragraph (1) may require the relevant handler to bear the expenses incurred in performing the entrusted business, such as investigation and analysis of the activity concentration of natural radionuclides contained in raw materials and residues, after obtaining approval from the Nuclear Safety and Security Commission.

(4) The standards for calculation of the expenses borne by a handler pursuant to paragraph (3) shall be determined by Presidential Decree in consideration of the required human resources, equipment, etc.

(5) The Nuclear Safety and Security Commission may provide necessary support to allow a professional organization entrusted with business pursuant to paragraph (1) to perform such business in an expeditious manner.

**Chapter VI Penal Provisions**

**Article 29 (Penal Provisions)**

A person who falls under any of the following subparagraphs may be punished by imprisonment with prison labor for up to 3 years or a fine not exceeding 30 million won, or both:

1. A person who has handled a raw material or by-product from processing or manufactured or imported/exported a processed product without registering it in violation of Article 9 (1) or registering it under falsified information or using any other unlawful methods;

1–2. A person who has manufactured or imported/exported a processed product in violation of Article 15 (2).
2. A handler of recycled scrap metal who fails to install a monitor, in violation of Article 20 (1).

**Article 30 (Joint Penal Provisions)**

Where a representative of a corporation, or an agent, employee or other servant of a corporation or an individual commits an offense under Article 29 in connection with the business of that corporation or individual, not only shall the violator be punished, but also the corporation or individual shall be punished by a fine under the relevant provisions: Provided, That this shall not apply where the corporation or individual has not neglected to provide due attention and supervision regarding the relevant business in order to prevent such violations.

**Article 31 (Fines for Negligence)**

(1) A person who does not follow the order from the Nuclear Safety and Security Commission in regard to publicizing or take measures against a defect in violation of Article 17 (1) or who does not follow the order for a corrective action or supplementation shall be imposed a fine not exceeding 25 million won.

(2) Any of the following persons shall be punished by a fine for negligence not exceeding 20 million won:
1. A person who fails to follow the methods and procedures for treatment, disposal or recycling of residues, in violation of Article 13 (2);
2. A person who failed to take safety measures in violation of Article 14 (2);
3. A person who manufactures or exports or imports products that do not conform to safety standards, in violation of Article 15 (1);
3-2. A person who failed to take the necessary measures such as publicization, supplementation, exchange, recall and disposal in violation of Article 16 (1);
3-3. A person who failed to take measures to protect the environment and the health of the workers in violation of Article 16 (2);
4. A person who fails to report and submit data pursuant to Article 24 (1) without justifiable grounds or who reports and submits false data;
5. A person who refuses, interferes with or evades inspection or collection under Article 24 (2) or (3) without justifiable grounds.
5-2. A person who engaged in labeling and advertising that is in violation of Article 15-2.
(3) Any of the following persons shall be punished by a fine for negligence not exceeding 10 million won:
1. A person who modifies registered matters without filing a report, in violation of Article 9 (3);
2. A person who fails to report export or import or who submits a false report, in violation of Article 11 (1);
3. A person who fails to record, maintain, or report pursuant to Article 12 (1) without any justifiable grounds, or who falsely records, maintains, or reports:
4. A person who fails to report on the treatment, disposal, or recycling of residues or who submits a false report, in violation of Article 13 (1);
5. A person who fails to fulfill the obligations prescribed in each subparagraph of Article 14 (1) in the handling and managing raw materials and residues, in violation of Article 14 (1);
6. A person who fails to report pursuant to Article 16 (3) without justifiable grounds or who submits a false report;
7. An air carrier who fails to take safety measures, in violation of Article 18 (4);
7–2. Those who fail to follow the orders provided under Article 20–2 (2);
8. A person who fails to report pursuant to Article 21 (1) without justifiable grounds or who submits a false report;
9. A person who fails to take measures ordered by the Nuclear Safety and Security Commission, such as complementation, return, or collection, in violation of Article 22 (1);
10. A person who refuses, interferes with or evades investigation pursuant to Article 23 without justifiable grounds.
(4) Any of the following persons shall be punished by a fine for negligence not exceeding three million won:
1. A person who fails to file a report on succession to the status of handler, in violation of Article 10 (3);
2. An air carrier who fails to conduct investigation and analysis of matters prescribed in the subparagraphs of Article 18 (3), in violation of Article 18 (3).
3. Those who fail to ensure that those responsible for operating monitoring appliances undergo the relevant education in violation of Article 26–2 (1).
(5) Fines for negligence under paragraphs (1) through (4) shall be imposed and collected by the Nuclear Safety and Security Commission, as prescribed by Presidential Decree: Provided, That fines for negligence underparagraph (3) 7 and paragraph (4) 2 shall be imposed and collected by those heads of central administrative agencies who supervise air carriers, a prescribed by Presidential Decree.
ADDENDA <Act No. 10908, Jul. 25, 2011>

Article 1 (Enforcement Date)

This Act shall enter into force one year after the date of its promulgation.

Article 2 (Transitional Measures)

Any person who falls under any subparagraph of Article 9 (1) at the time this Act enters into force shall register pursuant to the same Article within six months after this Act enters into force.

ADDENDUM <Act No. 11715, Mar. 23, 2013>

(Act on the Establishment and Operation of the Nuclear Safety and Security Commission)

Article 1 (Enforcement Date)

This Act shall enter into force on the date of its promulgation.

Article 2 and Article 3 Omitted.

Article 4 (Amendments to Other Acts)

① The Act on Protective Action Guidelines against Radiation in the Natural Environment shall be partially amended as follows:
“Rules of the Nuclear Safety and Security Commission” in Article 9 (3) and (4), Article 10 (3), Article 12 (2), Article 13 (1), Article (16) 2, the main sentence of Article 21 (1), Article (2) other than the subparagraphs thereof and Article 27 (3) shall be amended as “Ordinance of the Prime Minister.”
② and ③ Omitted.

Article 5 Omitted.

ADDENDUM <Act No. 12664, May. 21, 2014>

This Act shall enter into force on the date of its promulgation.

ADDENDUM <Act No. 13542, Dec. 1, 2015>

This Act shall enter into force after six months from the date of its promulgation.
ADDENDUM <Act No. 14115, 29 May. 2016>

This Act shall enter into force one year after the date of its promulgation.

ADDENDA <Act No. 14476, Dec. 27, 2016>
(Local Tax Collection Act)

Article 1 (Enforcement Date)

This Act shall enter into force on 3 months after the date of its promulgation.
<Proviso Omitted.>

Article 2 and Article 3 Omitted.

Article 4 (Amendments to Other Acts)

① through ② Omitted.
② Act on Protective Action Guidelines against Radiation in the Natural Environment shall be partially amended as follows:
“Framework Act on Local Taxes” in Article 10 (2) shall be amended as “Local Tax Collection Act.”
③ through<65> Omitted.

Article 5 Omitted.

ADDENDA <Act No. 16299, Jan. 15, 2019>

Article 1 (Enforcement Date)

This Act shall enter into force six months after the date of its promulgation.

Article 2 (Transitional Measures Concerning Manufacturers Subject to Registration)

Manufacturers subject to registration pursuant to Article 9 (1) and (2) at the time when this Act entered in force shall be regarded as having registered in accordance with Article 9 (1): Provided, That they must satisfy the conditions according to this Act within one year of the enforcement date of this Act and register in accordance with Article 9 (1).
Enforcement Decree of the Act on Protective Action Guidelines against Radiation in the Natural Environment
Enforcement Decree of the Act on Protective Action Guidelines against Radiation in the Natural Environment

Article 1 (Purpose)

The purpose of this Decree is to provide for those matters delegated by the Act on Protective Action Guidelines against Radiation in the Natural Environment and those necessary for the enforcement thereof.

Article 2 (Matters to be Included in Comprehensive Plans)

“Necessary matters prescribed by Presidential Decree” in Article 5 (2) 8 of the Act on Protective Action Guidelines against Radiation in the Natural Environment (hereinafter referred to as the “Act”) means the following matters:

1. Matters concerning the monitoring of radiation in the natural environment, such as the installation, operation, etc. of radiation and radioactivity monitors under Article 19 (1) of the Act (hereinafter referred to as “monitor”);
2. Matters concerning the designation and operation of professional organizations for radiation in the natural environment under Article 27 of the Act (hereinafter referred to as “professional organization”);

Article 3 (Formulation, etc. of Annual Implementation Plans)
(1) In order to formulate an annual implementation plan (hereinafter referred to as “implementation plan”) for comprehensive plans for protection from radiation in the natural environment under Article 5 (1) of the Act (hereinafter referred to as “comprehensive plan”) in accordance with Article 6 (1) of the Act, the Nuclear Safety and Security Commission (hereinafter referred to as the “Nuclear Safety and Security Commission”) under Article 3 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission shall determine guidelines for formulating the implementation plans for the following year by November 30 of each year and notify the head of the relevant central administrative agency thereof.

(2) A head of a relevant central administrative agency notified of the guidelines for formulating implementation plans pursuant to paragraph (1) shall in relation to business under his/her jurisdiction prepare a performance review for the preceding year and action plans for the relevant year and submit them to the Nuclear Safety and Security Commission by January 31 of each year.

(3) The Nuclear Safety and Security Commission shall formulate an implementation plan in complete consideration of the aggregated performance review and action plans submitted by the head of the relevant central administrative agency pursuant to paragraph (2) and notify the head of the relevant central administrative agency thereof by March 31 of each year.

(4) Implementation plans shall include the following:

1. Matters concerning the performance review for the preceding year and detailed action plans for each area over the relevant year in order to implement a comprehensive plan;
2. Matters concerning the formulation and implementation of research and development plans necessary for the implementation of a comprehensive plan;
3. Other matters necessary for protective action guidelines against radiation in the natural environment.

(5) Where necessary for formulating implementation plans, the Nuclear Safety and Security Commission may request the head of the relevant central administrative agency to submit necessary data. In such cases, the head of the relevant central administrative agency so requested shall comply therewith, unless extenuating circumstances exist.

Article 4 (Standard and Subject, etc. to Registration of Raw Material, etc.)

(1) The standard of raw materials pursuant to the latter part of Article 9
(1) of the Act other than the respective subparagraph of the same Article shall be as follows:
1. Any facility which handles and manages raw materials or process by-product shall not have any concern of leakage of such raw materials or process by-product due to fire and/or flooding
2. Any place which handles and manages raw materials or process by-product shall have more than 1 equipment which can measure radiation concentration or radiation dose of the place
3. The processed product to be registered shall comply with the Safety Criteria specified in the Article 15(1) of the Act and not fall under the respective subparagraph of paragraph (2) of the same Article (Only for the person who falls under Article 9 paragraph 1 subparagraph 5).
(2) “The amount designated by the presidential executive order” in the part other than the respective subparagraph of Article 9 paragraph 2 shall be the amount estimated from the total amount of the raw materials handled or used or process by-product of each business place annually, and pursuant to the classification of the following respective subparagraph.
1. In case of Potassium 40: 10,000 kilobecquerels
2. Other natural radionuclide 1,000 kilobecquerels

Article 5 (Treatment, Disposal or Recycling of Residues)

When treating, disposing of, or recycling by-products from processing pursuant to Article 13 (2) of the Act, anyone who falls under any of subparagraph 1 to 4 of Article 9 paragraph 1 and has registered according to the same paragraph(hereinafter, referred to as “person responsible for handling”):
1. Establish reasonable methods and procedures for lowering radiation exposure under subparagraph 19 of Article 2 of the Nuclear Safety Act (hereinafter referred to as “radiation exposure”) among those engaging in the business of the treatment, disposal or recycling of residues;
2. In the event of the disposal or recycling of residues, do so in a manner that lowers the activity concentration contained within the relevant residues;
3. To dispose of residues by means of landfill, etc. in order to prevent recycling;
4. In recycling by-products from processing into processed products, he/she shall comply with the safety standards for processed products prescribed in Article 15 of the Act (hereinafter referred to as "safety standards") and not recycle the products which falls under the respective subparagraph of paragraph 2 of the same Article.
Article 5–2 (Health Check)

(1) Person in charge and registered manufacturer shall conduct health check for the employees who handle and manage raw materials or process by–products according to Article 14 paragraph 1 subparagraph 5 at the time specified in the following respective subparagraph
1. Within 3 months before such employee is engaged in handling and managing raw materials or process by–products for the first time
2. Within 3 months before and after 1 year from the diagnosis according to subparagraph 1
3. In the case that the employee's radiation dose has exceeded the dose limit (the dose limit according to Article 2 subparagraph 4 of 『Enforcement Decree of the Nuclear Safety Act』 and Annexed 1 No. 1, hereinafter, it shall be the same in this Article, Article 6 and 10) as a result of the examination and analysis according to Article 14 paragraph 1 subparagraph 4 of the Act.
(2) The items for the Health check according to paragraph 1 shall be as following subparagraph. However, in the event that the radiation dose of the employee who handle and manage the raw materials or process by–product has not exceeded the dose limit after the immediately previous health check, the examination for subparagraph 1 and 2 may be omitted.
1. Occupation and exposure history
2. Medical history related with handling radiation
3. Clinical examination and consultation
   A. Clinical examination: Leukocyte count, platelet count and hemoglobin amount in peripheral blood
   B. Consultation: Symptoms of the eyes, skin, nerve system and hematopoietic system, etc.
4. Examinations of the following sub–paragraph (only when it is difficult to evaluate the health condition or suspicious of disease as a result of the examination according to the provisions of subparagraph 1 to 3)
   A. Peripheral blood smear examination (Microscopic examination of samples by applying peripheral blood to the object glass)
   B. slit lamp microscope examination (slit lamp biomicroscopy)
(3) Notwithstanding paragraph 1, in the event that the concerned employee has examined by the following respective subparagraph, it shall be considered that the health check pursuant to paragraph 1 has been conducted.
   1. Health check according to Article 91 paragraph 1 subparagraph 2 of 『Nuclear Safety Act』
   2. Health check designated by ordinance of the prime ministry out of the
health checks according to Article 129 through 131 of the Occupational Safety and Health Act

**Article 6** (Safety Measures etc., for handling and managing raw materials or process by-products)

The “safety measures designated by the presidential executive order” mentioned in Article 14 paragraph 2 of the Act shall mean the matters in the following respective subparagraph:

1. To ensure that the radiation dose of the employee who handles and manages the raw materials or process by-product does not exceed the dose limit as a result of examination and analysis according to Article 14 paragraph 1 subparagraph 4.

2. In the event that there has been opinion of a doctor that it is not suitable for the concerned employee to perform the work as a result of health check according to Article 14 paragraph 1 subparagraph 4, the work shall be converted to other work which is less likely exposed to radiation.

3. deleted

4. Measures such as using devices or apparatuses to reduce radiation exposure of the concerned employee involved;

5. Provision of information on radiation exposure of the concerned employee involved resulting from the handling and managing of raw materials or residues.

**Article 7** (Measures, etc. against Nonconforming Products)

(1) Where a person who manufactures or import/export processed products (hereinafter, “manufacturer”) becomes aware that a processed product is not in conformity with the safety standards or falls under respective subparagraph of Article 15(2) of the Act (hereinafter, “defected processed products”), he/she shall formulate a plan for measures under Article 16 (1) of the Act (hereinafter referred to as "plan for follow-up measures" in this Article) and report to the Nuclear Safety and Security Commission on the plan, within five days from the date he/she has learned such fact.

(2) A corrective plan shall include the following:

1. Type, product name, date of manufacture or importation, date of sale, delivery place, and current state of sales of a defected processed product

2. Time and circumstances of becoming aware that such product is a defected processed product, and the details and causes of a defected processed product;

3. Method, procedure, and period for taking follow-up measures, such as repair, exchange, recall and scrapping of defective processed product.
(3) If a corrective plan reported pursuant to paragraph (1) is deemed insufficient, the Nuclear Safety and Security Commission may issue an order to supplement said plan.

(4) A manufacturer shall take measures such as supplementation, exchange, withdrawal or disposal in accordance with the corrective plan.

(5) A manufacturer shall take measures of respective following subparagraph in order to protect the health of the person engaging measures such as supplementation, replacement, collection and disposition, etc. according to Article 16(2) and environment.

1. Manage to ensure that the radiation dose of the employee engaging measures such as supplementation, replacement, collection and disposition, etc. of a defected processed product from his/her work does not exceed the dose limit (the dose limit according to Article 2 subparagraph 4 and annex 1 No. 3 of 『ENFORCEMENT DECREES OF NUCLEAR SAFETY ACT』).

2. In the event of any concern of leakage of raw materials or process by-product in the process of supplementation, replacement, collection and disposition, etc. of a defected processed product, take measure to prevent leakage such as sealing or keeping the product in a closed place.

**Article 8 (Disposal of Defective Products)**

(1) When issuing an order for the disclosure of facts and the undertaking of relevant measures under Article 16 (1) of the Act in accordance with Article 17 (1) of the Act, the Nuclear Safety and Security Commission shall grant a manufacturer the opportunity to state within three days his/her opinion, either verbally or in writing. In such cases, if he/she fails to state his/her opinion prior to the deadline, it shall be deemed that he/she bears no particular opinion.

(2) A manufacturer issued with an order to take relevant measures pursuant to Article 17 (1) of the Act shall formulate and implement a plan for relevant measures. In such cases, Article 7 shall apply mutatis mutandis to the formulation and implementation of such plans.

(3) The Nuclear Safety and Security Commission shall determine a period for taking measures of up to three months, in consideration of the quantity, etc. of defected products that fail to meet safety standards. Provided, That the period may be extended once by up to three months upon the request of a manufacturer where he/she cannot complete relevant measures within the period for taking measures due to natural disasters or for other inevitable grounds.

(4) In the event that a manufacturer failed to perform the order according to Article 17(1) of the Act, Nuclear Safety Committee may publish the
following respective subparagraph to public in a newspaper, broadcast or internet website, etc. according to paragraph 2 of the same Article.
1. Name of manufacturer (In case of corporation, name of corporation)
2. Type, product name, date of manufacture or importation, date of sale, delivery place, and current state of sales of a defected processed product
3. Details of defect of the concerned processed product
4. Execution by proxy plan for a defected processed product

**Article 9 (Scope of Air Transportation Business Operators, etc.)**

(1) “An air transportation business operator prescribed by Presidential Decree” under Article 18 (1) of the Act means persons who run an international air transportation business pursuant to Article 112 (1) of the Aviation Act.
(2) Flight crew and cabin crew under Article 18 (2) of the Act (hereinafter referred to as “crew”) shall mean crew aboard international flights operated by an air transportation business operator under Article (1) (hereinafter referred to as “air transportation business operator”).

**Article 10 (Safety Measures, etc. for Crew)**

An air transportation business operator shall take the following measures to ensure that the radiation exposure of crew does not exceed the dose limit in accordance with Article 18 (4) of the Act:
1. Investigation, analysis and recording of annual radiation exposure of crew resulting from cosmic radiation, calculated based upon the following:
   (a) Air routes, flight altitude, and latitude and longitude;
   (b) Flight time for crew;
   (c) Impact from solar activity;
   (d) Other matters necessary for the assessment of radiation exposure;
2. Measures necessary to lower radiation exposure of crew, such as altering air routes and adjusting flight frequencies;
3. Provision of information, to crew, on the radiation exposure does caused by cosmic rays calculated according to the respective sub-subparagraph of subparagraph 1 (It shall be available to crew at any time)

**Article 11 (Places Subject to Installation of Monitors)**

(1) Airports and ports subject to the installation and operation of
monitors pursuant to Article 19 (1) of the Act shall be as follows:
1. Airports having international air routes under Article 111-2 (1) of the Aviation Act;
2. International trade ports under Article 3 (1) 1 of the Harbor Act.
(2) A person who sells or recycles recyclable scrap metal and is required to install and operate monitors pursuant to Article 20 (1) of the Act (hereinafter, “a person who handles recyclable scrap metal for the objects subject to installation and operation of monitors”), means a person who recycles scrap metal by operating electric smelting facilities with a unit capacity of at least 30 tons.

Article 12 (Installation and Operation of Monitors)

(1) When a monitor is installed pursuant to Article 19 (1) or 20 (1) of the Act, it shall be installed in a location suitable for effective monitoring in consideration of routes, etc. of the following monitoring targets:
1. Cargo exported or imported at airports or harbors;
2. Recycled scrap metal entering or exiting places of business handling recycled scrap metal.
(2) Monitors installed pursuant to Article 19 (1) or 20 (1) of the Act shall be capable of verifying radiation levels and radioactive nuclides:
Provided, That radioactive nuclides may instead be verified by means of a separate device.
(3) Persons who install and operate monitors pursuant to Article 19 (1) or 20 (1) of the Act shall verify radiation levels and radioactive nuclides of target cargo or recycled scrap metal by means of monitors and, where suspicious materials under Article 21 (1) of the Act (referring to materials whose activity concentration level exceeds or is suspected to exceed limits determined and published by the Nuclear Safety and Security Commission; hereinafter the same shall apply), shall classify, isolate and temporarily store the relevant suspicious materials and shall conduct periodic inspection and maintenance so as to sustain the performance of the monitors.
(4) The Nuclear Safety and Security Commission may commission professional organizations to assume such professional and technical business as the selection of locations for monitor installation and the periodic inspection and maintenance of monitors, among business concerning the installation and operation of monitors under Article 19 (1) of the Act.

Article 13 (Entrusted operation of monitoring appliances)
(1) Pursuant to Article 19 (3) of the Act, the Commission shall entrust airport operators, air transportation service providers, and harbor facility operators with the operation of monitoring appliances based on the following classification:
1. Operation of monitoring appliances installed at airports under Article 11 (1) 1: The relevant airport operators and air transportation service providers.
2. Operation of monitoring appliances installed at trading ports under Article 11 (1) 2: The relevant harbor facility operators.
(2) The scope of the duties pertaining to the operation of monitoring appliances under paragraph 1 shall be as follows:
1. Checking of radiation levels and radioactive nuclides of cargoes subject to surveillance using monitoring appliances.
2. Classification, isolation and temporary storage of significant materials detected by monitoring appliances.
3. Routine inspections, including checks conducted to determine whether the monitoring appliances are functioning normally.

Article 13-2 (Announcement of substances to be paid attention)

In the event that a person who has been ordered according to Article 22(1) of the Act and failed to perform such order, Nuclear Safety Committee may announce the following respective subparagraph via newspaper, broadcast or internet website, etc. according to paragraph 2 of the same Article. 1. Content of the concerned order and name of the person who was ordered (In case of corporation, name of corporation) 2. Execution by proxy plan for the concerned substances to be paid attention.

Article 14 (Formulation and Implementation of Plans to Investigate the Actual State of Safety Management of Radiation in the Natural Environment)

Investigation plans under Article 23 (1) of the Act shall include the following:
1. Scope and details of those matters subject to investigation;
2. Period, method and procedures of investigation;
3. Matters for which cooperation will be requested from those institutions subject to investigation and relevant central administrative agencies.

Article 14-2 (Regular investigation, etc.)
(1) A person responsible for handling, a person who falls under Article 9 paragraph 1 subparagraph 5 and has registered according to the same paragraph (hereinafter, referred to as “registered manufacturer”) and a person who handles recyclable scrap metal for the objects subject to installation and operation of monitors shall be regularly investigated by the Nuclear Safety Committee according to the cycle mentioned in the annexed 1 in regard to handling and management of raw materials, process by-product or recyclable scrap metal including radioactive material for each business place according to Article 24 paragraph 2 of the Act.

(2) The items for regular investigation according to paragraph 1 shall be as following subparagraph.

1. A person responsible for handling and registered manufacturer A. Matters regarding the front part and latter part of the part other than respective subparagraph of Article 9(1) of the Act and matters regarding change of registration according to paragraph 3 of the same Article B. Matters regarding record and storage of present state of distribution and health check result, etc. according to Article 12 of the Act C. Matters regarding handling, disposition or recycling of process by-product according to Article 13 of the Act (only for the person responsible for handling) D. Matters to be complied with in handling and managing raw materials or process by-product according to Article 14 of the Act Matters regarding compliance of safety standard for manufacturing or exportation and importation of processed product Article 15 of the Act

2. A person who handles recyclable scrap metal for the objects subject to installation and operation of monitors A. Matters regarding installation of monitors according to Article 20 of the Act B. Matters regarding operation and management of monitors according to Article 20–2 of the Act C. Matters regarding detection of substances to be paid attention according to Article 21(1) of the Act

(3) In the event of regular investigation according to paragraph 1, Nuclear Safety Committee shall notify the result of investigation including the following respective matters to the person investigated within 1 month after the completion of investigation.

1. Whether the person has passed the investigation

2. In the event of failing to meet the standard of the Act as a result of the investigation on the items for regular investigation mentioned in paragraph 2 or violation of any law, details of such 3. In the event of any matters to be corrected or supplemented according to Article 24(6), details of such

(4) A person who was notified the result of investigation including the order of correction or supplementation according to paragraph 3 shall notify
measurement plan for such to the Nuclear Safety Committee within 1 month after the notice of the investigation result and fulfill such. In this case, if Nuclear Safety Committee acknowledges that reported measurement plan is not sufficient, Nuclear Safety Committee may order to supplement such plan.

Article 14-3 (Training for operation of monitors, etc.)

(1) The training conducted by the Nuclear Safety Committee according to Article 26-2 shall include the following respective subparagraph.
1. Matters regarding daily check such as checking normal operation of monitors, etc.
2. Matters regarding measures for error and/or damage of monitors
3. Matters concerning checking radiation level and radioactive nuclide of substances to be paid attention
4. Matters concerning measures for classification, isolation and temporary storage, etc. of substances to be paid attention
5. Other matters necessary for operating monitors
(2) Nuclear Safety Committee may conduct training according to Article 26-2 of the Act in the way of the following respective subparagraph.
1. Group training
2. Field training where monitors operated
3. Hands-on training utilizing facilities and equipment, etc.

(3) Nuclear Safety Committee may develop and operate training program including the education contents according to paragraph 1 to conduct the training according to Article 26-2 (1) of the Act.

Article 15 (Criteria, etc. to Designate Professional Organizations)

Those who intend to be designated as professional organizations pursuant to Article 27 (2) of the Act shall be equipped with the following facilities, equipment and human resources:
1. Facilities: Laboratory facilities required to analyze radioactivity and measure and assess radiation dose;
2. Equipment: Equipment necessary to analyze radioactivity, measure and assess radiation dose, and measure and assess individual radiation exposure;
3. Human resources: The following human resources:
   a. Two or more persons who have engaged in the field of radioactivity analysis for a minimum of three years or who have obtained a master’s or higher degree in the relevant field;
   b. Two or more persons who have engaged in the field of
measurement and assessment of radiation dose for a minimum of three years or who have obtained a master’s or higher degree in the relevant field.

Article 16 (Entrustment, etc. of Business)
(1) The Nuclear Safety and Security Commission shall entrust the following business to professional organizations pursuant to Article 28 of the Act:
1. Preparation of safety guideline according to Article 8 of the Act
2. Measuring, analyzing and evaluating the radiation concentration and amount in connection with registration according to Article 9(1) of the Act and Examination of registration change notification according to paragraph 3 of the same Act.
3. Receipt of reports on the following matters:
   a. Reports on succession to the status of person responsible for handling and registered manufacturer under Article 10 (3) of the Act;
   b. Reports on export or import of raw material, process by-product or processed product under Article 11 (1) of the Act;
   c. Reports on treatment, disposal or recycling of residues under Article 13 (1) of the Act;
4. Receipt of reports on the following matters:
   A. Report of the result such as acquisition, occurrence, storage, sale, disposal and current state of raw material, process by-product or processed product and health check according to Article 12(1)
   B. Report of the measures such as supplement, exchange, collection and disposal, etc. of defected processed product according to Article 16(3) of the Act
   c. Reports on detection of suspicious materials under Article 21 (1) of the Act;
5. Installation, regular checkup and maintenance of monitors according to Article 19(1) of the act and Article 12(3) of this decree
4. Investigation and analysis of suspicious materials under Article 21 (2) of the Act;
5. Investigation of the actual state of safety management of radiation in the natural environment under Article 23 (2) of the Act;
6. Establishment and operation of a comprehensive information system on radiation in the natural environment under Article 25 (1) of the Act;
8. Development and implementation of education programs under Article 26–2(1) of the Act and Article 14–3(3) of this decree. When duties are entrusted as provided under paragraph 1, the Commission shall publish the entrusted agency and the contents of the duties with which it has been entrusted.

**Article 17** (Standards, etc. for the Calculation of Expenses)

(1) Standards for the calculation of expenses under Article 28 (3) of the Act shall be determined and published by the Nuclear Safety and Security Commission in consideration of the following matters:
1. Cost of labor: The amount obtained by multiplying the base cost of labor determined by the Nuclear Safety and Security Commission in consideration of experience, qualifications, etc. and the number of persons directly engaged in relevant business;
2. Direct expenses: Expenses directly incurred in relevant business that meet standards determined by the Nuclear Safety and Security Commission;
3. Miscellaneous expenses: Expenses incurred in relevant business, other than direct expenses, that are calculated according to the method determined by the Nuclear Safety and Security Commission.

(2) When collecting expenses from handlers based on the calculation standards under paragraph (1), the head of a professional organization shall notify the handlers in writing of the amount, breakdown of expenses, payment deadline and sites for payment.

**Article 17–2** (Processing of Sensitive Information and Unique Identification Information)

In the event that it is unavoidable to perform the task mentioned in the respective following subparagraph, Nuclear Safety Committee (including the person who was delegated with the work of Nuclear Safety Committee according to Article 28), person responsible for handling or registered manufacturer may handle information regarding health according to Article 23 of *Personal information protection act* or the data including Resident registration number, passport number or alien registration number Article 19 subparagraph 1, 2 or 4 of the same Act. 1. Task regarding record, storage and report of the health check result according to Article 12(1) of the Act 2. Task regarding enforcement of health check according to Article 14 paragraph 1 subparagraph 5 of the Act.

**Article 18** (Standards for Imposing Fines for Negligence)
Standards for imposing fines for negligence under Article 31 of the Act shall be as prescribed in attached Table 2.
ADDENDUM <Presidential Decree No. 23991, Jul. 24, 2012>

This Decree shall enter into force on July 26, 2012.

ADDENDUM <Presidential Decree No. 27206, May. 31, 2016>

This Decree shall enter into force on 2 June 2016. However, the amended provisions of Article 13 shall enter into force on the day it is promulgated.

ADDENDA <Presidential Decree No. 27970, Mar. 29, 2017>  
(Enforcement Decree of the Aviation Business Act)

Article 1 (Enforcement Date)

This Decree shall enter into force on March 30, 2017.

Article 2 through Article 5 Omitted.

Article 6 (Amendments to Other Acts)

① through ⑦ Omitted.
⑧ The Enforcement Decree of the Act on Protective Action Guidelines against Radiation in the Natural Environment shall be partially amended as follows:
“Article 112 (1) of the Aviation Act” in Article 9 (1) shall be amended as “Article 7 (1) of the Aviation Business Act.”
⑨ through ⑪ Omitted.

Article 7 Omitted.

ADDENDA <Presidential Decree No. 27972, Mar. 29, 2017>  
(Enforcement Decree of the Airport Facilities Act)

Article 1 (Enforcement Date)

This Decree shall enter into force on March 30, 2017.

Article 2 through Article 8 Omitted.

Article 9 (Amendments to Other Acts)
 Enforcement Decree of the Act on Protective Action Guidelines against Radiation in the Natural Environment

① through ② Omitted.

② Enforcement Decree of the Act on Protective Action Guidelines against Radiation in the Natural Environment shall be partially amended as follows:

“Article 111 (2) 1 of the Aviation Act” in Article 11 (1) shall be amended as “Article 38 (1) of the Aviation Business Act.”

② through ⑤ Omitted.

Article 9 Omitted.
Criteria for Imposition of Fines for Negligence
(in reference to Article 18)

1. General criteria:
   (a) The criteria for the imposition of fines for negligence corresponding to the number of offenses shall apply to cases in which a fine for negligence has been imposed for the same violation within the past one year. In such cases, the number of violations shall be calculated on the basis of the date of the imposition of the first fine for negligence and the date of the discovery of the repeat of the same violation;
   (b) In any of the following cases, the imposing authority may reduce the fine amount for negligence under subparagraph 2 within the scope of 1/2: Provided, That this shall not apply to a violator who has defaulted on fines for negligence:
      (i) Where a violator falls under any of the subparagraphs of Article 2-2 (1) of the Enforcement Decree of the Act on the Regulation of Violations of Public Order;
      (ii) Where a violation is recognized as resulting from minor negligence or error;
      (iii) Where it is recognized that a violator has endeavored to correct or eliminate the state of a violation;
      (iv) Other cases where it is recognized as necessary to reduce the amount of a fine for negligence in consideration of the degree of the violation, as well as the motives and consequences of such violation;
   (c) In any of the following cases, the imposing authority may increase the amount of fine for negligence under subparagraph 2 within the scope of 1/2: Provided, That the increased amount shall not exceed the upper limit of fines for negligence under Article 31 (1) through (4) of the Act:
      (i) Where the state of violation lasts six or more months;
      (ii) Other cases where it is recognized as necessary to increase the amount of a fine for negligence in consideration of the degree of a violation, and motive and consequences of a violation:
2. Criteria by case:

<table>
<thead>
<tr>
<th>Offence</th>
<th>Relevant provision</th>
<th>Amount of fine for negligence (Unit: 10,000 won)</th>
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<tbody>
<tr>
<td></td>
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<td>First violation</td>
</tr>
<tr>
<td>(a) In the event of modifying registered matters without reporting thereon, in violation of Article 9 (2) of the Act</td>
<td>Article 31 (3) 1 of the Act</td>
<td>250</td>
</tr>
<tr>
<td>(b) In the event of failing to report a succession to status, in violation of Article 10 (3) of the Act</td>
<td>Article 31 (4) 1 of the Act</td>
<td>70</td>
</tr>
<tr>
<td>(c) In the event of failing to report on export or import or reporting falsely, in violation of Article 11 (1) of the Act</td>
<td>Article 31 (3) 2 of the Act</td>
<td>250</td>
</tr>
<tr>
<td>(d) In the event of failing to record, store or report pursuant to Article 12 (1) of the Act or recording, storing or reporting falsely without justifiable grounds</td>
<td>Article 31 (3) 3 of the Act</td>
<td>250</td>
</tr>
<tr>
<td>(e) In the event of failing to report treatment, disposal or recycling of residues or reporting falsely, in violation of Article 13 (1) of the Act</td>
<td>Article 31 (3) 4 of the Act</td>
<td>250</td>
</tr>
<tr>
<td>(f) In the event of failing to conform to the methods and procedures for the treatment, disposal or recycling of residues, in violation of Article 13 (2) of the Act</td>
<td>Article 31 (2) 1 of the Act</td>
<td>500</td>
</tr>
<tr>
<td>(g) In the event of failing to observe matters under the subparagraphs of Article 14 (1) of the Act when handling or managing raw materials or residues, in violation of Article 14 (1) of the Act</td>
<td>Article 31 (3) 5 of the Act</td>
<td>250</td>
</tr>
<tr>
<td>(h) Where a handler or manufacturer fails to take safety measures, in violation of Article 14 (2) of the Act</td>
<td>Article 31 (2) 2 of the Act</td>
<td>500</td>
</tr>
<tr>
<td>(i) In the event of manufacturing or exporting or importing products that fail to meet safety standards, in violation of Article 15 of the Act</td>
<td>Article 31 (2) 3 of the Act</td>
<td>500</td>
</tr>
<tr>
<td>(j) In the event of failing to report pursuant to Article 16 (2) of the Act or reporting falsely, without justifiable grounds</td>
<td>Article 31 (3) 6 of the Act</td>
<td>250</td>
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<td>Section</td>
<td>Description</td>
<td>Article</td>
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<td>(k)</td>
<td>In the event of failing to comply with an order issued by the Nuclear Safety and Security Commission to disclose facts and take measures, in violation of Article 17 (1) of the Act</td>
<td>Article 31 (1) of the Act</td>
</tr>
<tr>
<td>(l)</td>
<td>Where an air transportation business operator fails to investigate or analyze matters under the subparagraphs of Article 18 (3) of the Act, in violation of Article 18 (3) of the Act</td>
<td>Article 31 (4) 2 of the Act</td>
</tr>
<tr>
<td>(m)</td>
<td>Where an air transportation business operator fails to take safety measures, in violation of Article 18 (4)</td>
<td>Article 31 (3) 7 of the Act</td>
</tr>
<tr>
<td>(n)</td>
<td>In the event of failing to report pursuant to Article 21 (1) or reporting falsely, without justifiable grounds</td>
<td>Article 31 (3) 8 of the Act</td>
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<td>(o)</td>
<td>In the event of failing to take measures such as supplementation, return or collection as required by an order issued by the Nuclear Safety and Security Commission, in violation of Article 22 (1) of the Act</td>
<td>Article 31 (3) 9 of the Act</td>
</tr>
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<td>(p)</td>
<td>When the subject party fails to follow orders under Article 20-2 (2) of the Act.</td>
<td>Article 31 (3) 7-2</td>
</tr>
<tr>
<td>(q)</td>
<td>In the event of refusing, interfering with or evading investigation under Article 23 of the Act, without justifiable grounds</td>
<td>Article 31 (3) 10 of the Act</td>
</tr>
<tr>
<td>(r)</td>
<td>In the event of failing to report or submit data pursuant to Article 24 (1) of the Act or reporting falsely or submitting falsified data, without justifiable grounds</td>
<td>Article 31 (2) 4 of the Act</td>
</tr>
<tr>
<td>(s)</td>
<td>In the event of refusing, interfering with or evading inspection or collection under Article 24 (2) of the Act, without justifiable grounds</td>
<td>Article 31 (2) 5 of the Act</td>
</tr>
<tr>
<td>(t)</td>
<td>When the subject party fails to have those responsible for the operation of monitoring appliances undergo education in violation of Article 26-2 (1).</td>
<td>Article 31 (4) 3</td>
</tr>
</tbody>
</table>
Enforcement Rule on the Act on Protective Action Guidelines against Radiation in the Natural Environment
Enforcement Rule on the Act on Protective Action Guidelines against Radiation in the Natural Environment

Article 1 (Purpose)

This Rule is to set forth the matters delegated in the 'Act on Safety Management of Radiation in Life Surrounding' (hereinafter, the "Act") and its Enforcement Ordinance (hereinafter, the "Ordinance") and the matters necessary for execution thereof.

Article 2 (Registration of Person Treating Raw Material and Process by-Product and Processed Product Manufacturer) 

① Registration of person treating raw material and process by-product and processed product manufacturer under Article 9 (4) of the Act shall be made by offices <Revised on 07/16/2019>
② The registration application form under Article 9 (4) of the Act are as stated in Appendix Form No. 1 <Revised on 07/16/2019>
③ The 'documents as designated by the Ordinance of the Prime Minister mean the following <Revised on 07/16/2019>
1. Statement of raw materials or process by-product to be treated (including type of material, quantity of annual treatment and radiative concentration )
2. Distribution plan for raw materials or process by-product to be treated (including matters of mining, export and import, acquisition, sales, and recycling)
3. Instructions of treatment, process and method of raw materials or process by-product
4. Plan for radiation safety for professionals for treatment of raw materials or process by-product
5. Documents of type and model name of processed products, type of raw
materials or process by-product used for processed products, radiative concentration and quantity consumed (only for the person as prescribed in Article 9(1)5 of the Act)

④ The Nuclear Safety and Security Commission (this means the one as prescribed in Article 3 of the 'Act on Establishment and Operation of Nuclear Safety and Security Commission' and the same applies hereinafter) which receives registration application form under Article 9(4) of the Act shall check the business license of applicant through common use of administrative information under Article 36 (1) of the 'E-government Act'; Provided that, if the applicant does not consent to check of business license, the applicant shall be asked to attach the copy of such document. <Revised on 07/16/2019>

⑤ The Nuclear Safety and Security Commission shall issue a certificate of handler and registered manufacturer as stated in Appendix Form No. 2 to the person who falls under any of Articles 9 (1)1 to 4 of the Act and registers under the same Paragraph (hereinafter, the "Handler") and the person who falls under any of Articles 9 (1)5 of the Act and registers under the same Paragraph (hereinafter, the "Registered Manufacturer")<Revised on 07/16/2019>

[Title revised on 07/16/2019]

Article 3 (Report of Registration Modification of Handler and Registered Manufacturer)

Any person desiring to make a report of registration modification under Article 9(3) of the Act shall submit the report form as stated in Appendix Form No. 3 along with the following documents to the Nuclear Safety and Security Commission<Revised on 07/16/2019>

1. Directions of registration modification (including comparison chart of before/after);
2. Documents proving the modification; and
3. Registration certificate of Handler and Registered Manufacturer
[Title revised on 07/16/2019]

Article 4 (Report of Succession of Status of Handler and Registered Manufacturer)

Any person desiring to make a report of status succession under Article 10(3) of the Act shall submit the report form as stated in Appendix Form No. 3 along with the following documents to the Nuclear Safety and Security Commission<Revised on 07/16/2019>

1. Documents proving the status succession; and
2. Registration certificate of Handler and Registered Manufacturer
[Title revised on 07/16/2019]


Any person desiring to make a report of Import and Export of Raw Material, Process by-Product and Processed Product under Article 11(1) of the Act shall submit the report form as stated in Appendix Form No. 4 to the Nuclear Safety and Security Commission<Revised on 07/16/2019>
[Title revised on 07/16/2019]

Article 6 (Standards of Record, Retention, and Report)

The standard of record, retention and report of distribution condition and result of medical diagnosis under Article 12 (1) of the Act are as stated in Appendix Table <Title Revised on 07/16/2019>
[Title revised on 07/16/2019]

Article 7 (Report of Treatment, Disposition, or Recycling of Process-by Product)

Any person desiring to make a report of Treatment, Disposition or Recycling of Process-by Product under Article 13(1) of the Act shall submit the report form as stated in Appendix Form No. 5 along with the following documents to the Nuclear Safety and Security Commission<Revised on 07/16/2019>
1. Type, quantity, and radiative concentration of raw materials or process by-product to be treated, disposed or recycled

Article 7–2 (Medical Examination)

① The 'medical examination as designated by the Ordinance of Prime Minister' as prescribed in Article 5–2 (3)2 of the Ordinance means the followings:
1. Medical examination prior to placement of radiative harmful factors as prescribed the text other than each Sub-paragraphs of Article 99 (4) of the 'Enforcement Regulations of Industrial Safety and Health Act' (this means the cases as prescribed in Article 5–2 (1)1 of the Ordinance)
2. Special medical examination of radiative harmful factors as prescribed the text other than each Sub-paragraphs of Article 99 (2) of the 'Enforcement Regulations of Industrial Safety and Health Act' (this means the cases as prescribed in Articles 5–2 (1)2 and 5–2(1)3 of the Ordinance)

② The form of medical examination result under Article 5–2 of the Ordinance are as stated in Appendix Form No. 5–2.

[This Article has been newly added on 07/16/2019]

**Article 8** (Report of Result of Measures Taken for Deficient Processed Product)

① Any person (the "Manufacturer") desiring to manufacture, export or import processed products who has taken any measures as prescribed in Article 16(1) of the Act for the processed product which fails to satisfy safety standard for processed product as prescribed in Article 15(1) of the Act or falls under each Sub–paragraph of Paragraph 2 of the same Article shall submit the report form including the followings to the Nuclear Safety and Security Commission within 5 days from the completion date of measures under Paragraph 3 of the same Article

<Revised on 07/16/2019>

1. Result of measures including type and model based supplementation, exchange, collection and discard of deficient processed products (including period and quantity of measures)

2. The reason for the cases where the result of measurement as set forth in the foregoing Sub–paragraph 1 differs from the plan for measurement reported to the Nuclear Safety and Security Commission

3. Repealed <Revised on 07/16/2019>

4. Repealed <Revised on 07/16/2019>

5. Measures to prevent recurrence

② If it considers that the measure as set forth in the foregoing Sub–paragraph 1 is not sufficient, the Nuclear Safety and Security Commission may direct the Manufacturer to supplement it. [Title Revised on 07/16/2019]

**Article 8–2** (Operation and management guidelines of monitoring appliances and action orders)
(1) The operation and management guidelines for monitoring appliances under Article 20–2 (1) of the Act shall be as follows:
1. The persons responsible for duties concerning the installation and operation of monitoring appliances shall be appointed as provided under Article 12 (3) of the Enforcement Decree of the Act on Protective Action Guidelines against Radiation in the Natural Environment.
2. The monitoring appliances shall be inspected routinely and the outcome shall be recorded and stored.
3. Manuals on the methods of inspection and management of monitoring appliances and the duties of inspection and management shall be prepared.
4. Any failure, breakage or relocation of monitoring appliances shall be reported to the Commission without delay. In such a case, recycled steel scrap handlers shall also report the plans for monitoring radiation or radioactivity on behalf of the relevant monitoring appliance and for its repair.

(2) A business operator who has been ordered by the Commission to take action pursuant to Article 20–2 (2) shall notify the Commission of its development of action plans inclusive of the below-listed within five days from the day the action is ordered, and shall take actions under Items 1 and 3 within the period specified under Item 2.
1. Details and methods of actions.
2. Action period.
3. Plans to monitor radiation and radioactivity during the action period.

Article 9 (Reporting of Detection of Suspicious Materials)

The items to be reported under Article 21 (1) 6 of the Act shall be as follows:
1. Quantity and types of significant materials (referring to the significant materials under the main text of Article 21 (1) other than those under its items, the same hereinafter);
2. Information concerning the transportation of significant materials, including the number/driver data of vehicles that transport significant materials.
3. has been deleted <15 July 2016>
4. has been deleted <15 July 2016>
5. has been deleted <15 July 2016>

Article 10 (Investigation, etc. on Suspicious Materials)
Upon receipt of a report on detection of suspicious materials pursuant to Article 21 (2) of the Act, the Nuclear Safety and Security Commission shall investigate the appropriateness of its details and, if necessary, may perform an intrusive inspection with the consent of the owner of such suspicious materials.

**Article 11** (Application, etc. for Designation of Professional organization)

(1) Anyone who intends to be designated as a professional organization pursuant to Article 27 (3) of the Act shall submit to the Nuclear Safety and Security Commission an application for designation as a professional organization by attaching the following documents:
1. Articles of association;
2. Documents and details substantiating that facilities, equipment, and human resources have been secured pursuant to Article 15 of the Regulation;
3. Plans regarding the duties to be performed as a professional organization;
4. Statement on the overall status of the applicant organization such as the purpose of its establishment, functions, organization, human resources, and track record of work related to safety management of radiation in the natural environment.
5. Documents concerning facilities, equipment and personnel under Article 15 of the Presidential Decree.

(2) Where it is deemed that an organization that has applied for designation pursuant to paragraph (1) is qualified to perform duties under Article 27 (1) of the Act, the Nuclear Safety and Security Commission shall designate such organization as a professional organization: Provided, That when designating a professional organization, the Nuclear Safety and Security Commission may prescribe the work scope of the professional organization.

(3) Where the Nuclear Safety and Security Commission has designated a professional organization pursuant to paragraph (2), the Nuclear Safety and Security Commission shall make public notice of the name, location, contact information, work scope, and the date of commencement of work of the designated organization.
ADDENDA <Ordinance of the Prime Minister No. 1027, Jun. 21, 2013>

Article 1 (Enforcement Date)

This Rule shall enter into force on the date of its promulgation.

Article 2 (General Transitional Measures)

The dispositions, procedures and other practices concerning nuclear safety implemented in accordance with the Rules of the Nuclear Safety and Security Commission delegated by the Act in force at the time when this Rule entered into force shall be deemed to have been implemented in accordance with this Rule.

ADDENDUM <Ordinance of the Prime Minister No. 1301, Jul. 15, 2016>

These Rules shall enter into force on the day they are promulgated.
1. **Information to be Recorded and Maintained by Handlers**  
(in reference to Article 6 (1))

<table>
<thead>
<tr>
<th>Information to be Recorded</th>
<th>Timing of Recording</th>
<th>Maintenance Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Date and amount of export or import of raw materials or residues</td>
<td>At each point of export or import</td>
<td></td>
</tr>
<tr>
<td>B. Date and amount of acquisition of raw materials or residues</td>
<td>At each point of acquisition</td>
<td></td>
</tr>
<tr>
<td>C. Date and amount of sale of raw materials or residues</td>
<td>At each point of sale</td>
<td></td>
</tr>
<tr>
<td>D. Occurring date and amount (estimate, where measurement is impractical) of residues</td>
<td>At each point of occurrence</td>
<td>5 years</td>
</tr>
<tr>
<td>E. Type and amount of residues treated, disposed of, or recycled; date and time of such activities</td>
<td>At each point of treatment, disposal or recycling</td>
<td></td>
</tr>
<tr>
<td>F. Amount and date of products manufactured, exported, imported, or sold</td>
<td>At each point of manufacture, export, import, or sale</td>
<td></td>
</tr>
<tr>
<td>G. Date and details of safety measures taken under Article 14 of the Act</td>
<td>At each point of taking measures</td>
<td></td>
</tr>
</tbody>
</table>

2. **Matters to be Reported by Handlers and Deadline**  
(in reference to Article 6 (2))

<table>
<thead>
<tr>
<th>Information to be Reported</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Current status of export/import of raw materials or residues</td>
<td></td>
</tr>
<tr>
<td>B. Current status of acquisition and sale of raw materials or residues</td>
<td>By January 31 of each year</td>
</tr>
<tr>
<td>C. Current status of manufacture, import, export or sale of products</td>
<td></td>
</tr>
<tr>
<td>D. Current status of treatment, disposal, and recycling of residues</td>
<td></td>
</tr>
<tr>
<td>E. Current status of safety measures taken under Article 14 of the Act</td>
<td></td>
</tr>
</tbody>
</table>
## Application for Handler Registration

<table>
<thead>
<tr>
<th>Details of registration</th>
<th>Type of materials</th>
<th>Radionuclides</th>
<th>Activity Concentration</th>
<th>Amount annually handled (amount of radioactivity)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Company name</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Business Registration No.)</td>
<td>Type of company</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Type of company</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Date of birth</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Address of main office</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Address of main office</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Address of business site</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Address of business site</td>
<td></td>
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<td></td>
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<tr>
<td>8. Tel.</td>
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<td></td>
</tr>
<tr>
<td>9. Tel.</td>
<td></td>
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</tr>
</tbody>
</table>

I hereby request to be registered as a handler of raw materials or residues in accordance with Article 9 (4) of the Act on Protective Action Guidelines against Radiation in the Natural Environment and Article 2 of the Enforcement Regulation of said Act.

Date (mm-dd-yy)

Name of Applicant: (Signature or Seal)

Attention: Nuclear Safety and Security Commission

### Attachment

1. Details of raw materials or residues to be handled (including the types, annual amount, and activity concentration of the materials to be handled);
2. Distribution plan for raw materials or residues to be handled (including matters regarding mining, export and import, sale, and recycling);
3. Manual of procedure and method for handling raw materials or residues;
4. Plan for safety management for radiation exposure of employees who handle raw materials or residues.

I hereby consent to allow the abovementioned documents and information required for the processing of this application to be verified by the public official in charge through the joint use of administrative information under Article 36 (1) of the Electronic Government Act.

Name of Applicant (Representative): (Signature or Seal)

210mm×297mm (Ordinary Paper 60g/m² (Recyclable))
This application will be processed as below:

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Processing institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation of application</td>
<td>Receipt</td>
</tr>
<tr>
<td></td>
<td>Document review</td>
</tr>
<tr>
<td></td>
<td>Preparation of</td>
</tr>
<tr>
<td></td>
<td>registration certificate</td>
</tr>
<tr>
<td></td>
<td>Issuance of</td>
</tr>
<tr>
<td></td>
<td>registration certificate</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuclear Safety and Security Commission</td>
<td></td>
</tr>
</tbody>
</table>
Certificate of Handler Registration

Company name:
Location:
Representative:

Type and amount of materials to be registered:

Location of business:
Date of registration:

As the registration of the type and amount of materials subject to registration has been completed in accordance with Article 9 (4) of the Act on Protective Action Guidelines against Radiation in the Natural Environment, we the Nuclear Safety and Security Commission hereby issue this certificate.

Date (mm-dd-yy)

Nuclear Safety and Security Commission (Seal)
(Back)

<table>
<thead>
<tr>
<th>No.</th>
<th>Date</th>
<th>Details of Amendment</th>
<th>Reasons for Amendment</th>
<th>Confirmation</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>
## Report of Registration of Amendment

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Period of processing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10 days</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>① Company name (Business registration No.)</th>
<th>② Type of company</th>
</tr>
</thead>
<tbody>
<tr>
<td>③ Representative</td>
<td>④ Date of birth</td>
</tr>
<tr>
<td>⑤ Address of main office</td>
<td>⑥ Tel.</td>
</tr>
<tr>
<td>⑦ Address of business site</td>
<td>⑧ Tel.</td>
</tr>
<tr>
<td>⑨ Date mm-dd-yy of amendment</td>
<td>⑩ Matters as originally registered</td>
</tr>
<tr>
<td></td>
<td>⑪ Amended matters to be registered</td>
</tr>
<tr>
<td></td>
<td>⑫ Remarks (reasons for amendment, etc.)</td>
</tr>
</tbody>
</table>

I hereby report the amendment of registration of handler of raw materials or residues in accordance with Article 9 (4) of the Act on Protective Action Guidelines against Radiation in the Natural Environment and Article 3 of the Enforcement Regulation of said Act.

Date (mm-dd-yy)

Name of Applicant: (Signature or Seal)

Attention: Nuclear Safety and Security Commission

※Attachment
1. Certificate of Handler Registration
2. One copy of document on amended matters

Fee
N/A

210mm×297mm (Ordinary Paper 60g/m² (Recyclable))
This report will be processed as below:

<table>
<thead>
<tr>
<th>Reporter</th>
<th>Processing institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation of report</td>
<td>Reception</td>
</tr>
<tr>
<td>Issuance of registration certificate</td>
<td>Document review</td>
</tr>
<tr>
<td></td>
<td>Preparation of registration certificate</td>
</tr>
</tbody>
</table>

- Reporter: Preparation of report → Receipt
- Processing institution: Nuclear Safety and Security Commission
[Form 4]

<table>
<thead>
<tr>
<th>Report of Export/Import</th>
<th>Period of processing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10 days</td>
</tr>
</tbody>
</table>

**Reporter**

<table>
<thead>
<tr>
<th>Company name</th>
<th>Headquarters</th>
<th>Business registration No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Address</th>
<th>Headquarters</th>
<th>Place of business</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(Tel.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Representative</th>
<th>Title &amp; name</th>
<th>Signature or Seal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of birth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Materials to be exported/imported**

<table>
<thead>
<tr>
<th>Classification of export/import</th>
<th>□ Export (destination: )</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>□ Import (country of origin: )</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of export/import</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Method of shipment</th>
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</thead>
<tbody>
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</table>

<table>
<thead>
<tr>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Radionuclides</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Activity Concentration (Bq/g)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Amount of radioactivity (Bq)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

I hereby report export/import in accordance with Article 11 of the Act on Protective Action Guidelines against Radiation in the Natural Environment and Article 5 of the Enforcement Regulation of said Act.

Date (mm-dd-yyyy)

Name of Applicant: (Signature or Seal)

Attention: Nuclear Safety and Security Commission

※Attachment

1. A copy of analysis results of activity concentration

2. A copy of results of measuring radiation dose rates at transportation

Note: Where a number of businesses are involved with the relevant cargo, please separately provide information for each related business, including its company name, business registration number, address, and contact information.

210mm × 297mm (Ordinary Paper 60g/m² (Recyclable))
This report will be processed as below:

<table>
<thead>
<tr>
<th>Reporter</th>
<th>Processing institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation of report</td>
<td>Receipt</td>
</tr>
<tr>
<td></td>
<td>Document review</td>
</tr>
<tr>
<td></td>
<td>Process of report</td>
</tr>
</tbody>
</table>

Nuclear Safety and Security Commission
[Form 5]

### Report of Treatment, Disposal, or Recycling of Residues

<table>
<thead>
<tr>
<th>Company name</th>
<th>Headquarters</th>
<th>Place of business</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Headquarters</td>
<td>(Tel.)</td>
</tr>
<tr>
<td></td>
<td>Place of business</td>
<td>(Tel.)</td>
</tr>
<tr>
<td>Representative</td>
<td>Title &amp; name</td>
<td>Signature or Seal</td>
</tr>
<tr>
<td></td>
<td>Date of birth</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Planned date and time for treatment, disposal, or recycling</th>
<th>Period of processing</th>
</tr>
</thead>
<tbody>
<tr>
<td>I hereby submit a plan for the treatment, disposal, or recycling of residues under Article 13 (1) of the Act on Protective Action Guidelines against Radiation in the Natural Environment and Article 7 of the Enforcement Regulation of said Act</td>
<td></td>
</tr>
<tr>
<td>Period of processing</td>
<td>20 days</td>
</tr>
</tbody>
</table>

Date (mm-dd-yyyy)

Name of Reporter: (Signature or Seal)

Attention: Nuclear Safety and Security Commission

※Attachment
1. Types, amount, and activity concentration of residues to be treated, disposed of or recycled
2. Method and process of treatment, disposal or recycling and the use of recycling

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- Preparation of report → Receipt
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Nuclear Liability Act

Nuclear Laws of the Republic of Korea

12
Nuclear Liability Act

The purpose of this Act is to protect victims of nuclear damage and contribute to the sound development of the nuclear energy industry by prescribing those matters concerning liability for nuclear damage arising from the operation, etc. of nuclear reactors.

Article 2 (Definitions)
(1) The terms used in this Act shall be defined as follows:

1. The term “operation, etc. of nuclear reactors” means those falling under any of the following items, as well as the transportation, storage or disposal of nuclear fuel materials or other materials contaminated by such nuclear fuel materials (including byproducts from nuclear fission; hereinafter the same shall apply) incidental thereto:
   (a) Operation of nuclear reactors;
   (b) Conversion of nuclear fuel materials, as prescribed by Presidential Decree;
   (c) Fabrication of nuclear fuel materials, as prescribed by Presidential Decree;
   (d) Processing of spent nuclear fuel, as prescribed by Presidential Decree;
   (e) Use of nuclear fuel materials, as prescribed by Presidential Decree;
   (f) Storage, treatment or disposal of radioactive waste, as prescribed by Presidential Decree.

2. The term “Nuclear Damage” means any costs provided for in the following subparagraphs and damage (including the loss of economic interest arising from significant impairment of environment, which is related to utilization of environment) caused by the effects of the fission process of nuclear fuel material, or by the effects of radiation or toxic natures of nuclear fuel material or other materials contaminated thereby. Provided, that damage suffered by nuclear operator concerned or by its employees as a result of performance of their duties shall be excluded.
   a. Costs for measures taken or to be taken in accordance with the plan as specified by the Basic Framework Act on Management of Disaster and Safety or other laws relevant thereto, in order to reinstate the significantly impaired environment,
   b. Costs of preventive measures (including the additional loss or damage arising from the preventive measures) taken in accordance with the measures plan referred to in related laws including the Basic Framework Act on Management of Disaster and Safety and the Act on Physical Protection and Radiological Emergency in order to mitigate or minimize damage or costs, in case of nuclear incident, and in order to prevent or minimize damage or costs in case of a grave and imminent threat of occurrence of such incident.

3. The term “nuclear operator” means any person who is or has been any of the following:
   (a) A person who has been granted the construction permit or operating license for nuclear reactors and related facilities;
   (b) An operator of a foreign nuclear–powered vessel who has reported entry into or departure from a port of the Republic of Korea;
(c) A person who has been permitted to engage in a fabrication business (including conversion business);
(d) A person who has been designated to engage in a spent nuclear fuel processing business;
(e) A person who has been permitted to use nuclear fuel material;
(f) A person who has been permitted to construct and operate disposal facilities, etc.;
(g) Nuclear research and development institutions, as well as institutions providing services and manufacturing products related to nuclear energy as prescribed in Article 11 of the Nuclear Promotion Act;
(h) Institutions dedicated to nuclear safety, as prescribed in the Nuclear Safety Act.

4. The term “nuclear incident” means any occurrence which results in nuclear damage or poses a grave and imminent threat of nuclear damage (including a series of occurrences having the same origin).

(2) The terms used in this Act shall have meanings as prescribed by the Nuclear Promotion Act and the Nuclear Safety Act, except for those prescribed in paragraph (1).

Article 2-2 (Scope of Application)

(1) This Act shall apply to nuclear damage suffered as a result of nuclear incidents occurring within the territory of the Republic of Korea (including its territorial waters) and the exclusive economic zone of the Republic of Korea.

(2) The application of this Act to those individuals, corporations, organizations or the government of a country which prohibits or limits compensation for nuclear damage suffered by the people of the Republic of Korea, corporations or organizations established under acts and subordinate statutes of the Republic of Korea, or the Government of the Republic of Korea may be excluded or limited.

Article 3 (Strict Liability, Channeling of Liabilities, etc.)

(1) The nuclear operator shall be liable for nuclear damage caused by the operation, etc. of a nuclear reactor. Provided, that this shall not apply to the damage caused by an act of armed conflict or hostilities among the nations, civil war or insurrection.

(2) When nuclear damage has been caused as a result of transportation between nuclear operators of nuclear fuel materials or other materials contaminated thereby, the nuclear operator who is the consignor of nuclear fuel materials shall be liable for the damage: Provided, That in cases where a special agreement has been made between nuclear operators with
regard to the liability for nuclear damage, such special agreements shall
govern.

(3) Any person other than the nuclear operators who are liable for the
nuclear damage in accordance with paragraph 1 or 2 above shall not be
liable for the nuclear damage.

(4) Articles 769, 770, 773, 875, and 881 of the Commercial Act shall not
apply to nuclear damage occurring as a result of the operation, etc. of a
nuclear reactor installed in a vessel.

(5) The provisions of the Product Liability Act shall not apply to nuclear
damage caused by the operation, etc. of nuclear reactors.

**Article 3–2 (Limit on Liability Amount)**

(1) Nuclear operators shall be liable for nuclear damage within a limit
of 300 million Special Drawing Rights for each nuclear incident:
Provided, That in cases where a nuclear incident has occurred due to a
willful act or omission on the part of a nuclear operator with intention
or awareness that such damage may occur, this shall not apply.

(2) “Special Drawing Right” under paragraph (1) means an amount
equivalent to the special drawing right of the International Monetary Fund.

**Article 4 (Right of Recourse)**

(1) In case nuclear damage is caused by a willful act or gross negligence of
a third party, the nuclear operator who has compensated for the nuclear
damage in accordance with Article 3 retains rights of recourse against such a
third party. Provided, that in case nuclear damage occurred in the course of
supply of material or service for the operation etc. of nuclear reactor
(including labor; hereinafter referred to as “supply of material”), the nuclear
operator may retain the rights of recourse only insofar as the supplier of
said materials or the employees of said supplier have been intentional or
grossly negligent.

(2) When a special agreement concerning the right of recourse has been
made in cases of paragraph (1), such special agreements shall govern.

**Article 5 (Obligation to Provide for Financial Security)**

(1) A nuclear operator shall be prohibited from operation, etc. of the
nuclear reactor unless the financial security for compensation of the nuclear
damage (hereinafter referred to as “financial security”) has been provided.

(2) The financial security under paragraph 1 shall be provided by means
of the nuclear liability insurance contract and an indemnity agreement for nuclear liability or by means of placing in public deposit.

**Article 6 (Financial Security Amount)**

(1) The amount covered by a nuclear liability insurance contract and an indemnity agreement for nuclear liability or the amount of deposit pursuant to Article 5 (2) shall be prescribed by Presidential Decree (hereinafter referred to as “financial security amount”) taking into consideration the type of facilities utilizing nuclear energy, nature of nuclear fuel materials to be handled, consequences of the occurrence of a nuclear incident, etc., within the limits on liability amount stipulated by Article 3–2.

(2) When due to the payment of compensation for nuclear damage the amount available for compensation of future nuclear damage falls short of the financial security amount, the Nuclear Safety and Security Commission may, if necessary to ensure the implementation of compensation for damage, order the relevant nuclear operators to make up for such shortage in order to reach financial security amount within a set period.

(3) The provisions of Article 5 (1) shall not apply to the case of order in accordance with paragraph (2).

**Article 7 (Liability Insurance Contract for Nuclear Damage)**

(1) A liability insurance contract for nuclear damage under Article 5 (2) means a contract under which the insurer (limited to a person authorized to engage in liability insurance business, as prescribed by the Insurance Business Act) agrees to indemnify a nuclear operator for losses arising from the compensation of nuclear damage due to certain causes in case when nuclear operator becomes liable for nuclear damage as pursuant to Article 3 and under which the nuclear operator agrees to pay a premium to the insurer.

(2) When a nuclear operator subscribes to an insurance contract for nuclear damage, he/she shall obtain approval for the conditions therein from the Nuclear Safety and Security Commission.

**Article 8 (Priority of Claims for Nuclear Damage)**

(1) A victim shall, with respect to his/her claim for nuclear damage, hold priority of payment over other creditors.

(2) The insured may claim the insurer to make the insurance payment only to the extent that the insured has paid or has acquired the consent of the victim with regard to the amount of compensation.
(3) The right to claim an insurance payout under an insurance contract for nuclear damage shall not be assigned, held as security, or seized. Provided, that this shall not apply if the victim levies an attachment on the right of the claim for the nuclear damage.

Article 9 (Indemnity Agreement for Nuclear Liability)

(1) The indemnity agreement for liability of nuclear damage as specified in Article 5 Paragraph 2, shall be the contract under which, in case the nuclear operator becomes liable for the compensation of nuclear damage in accordance with Article 3, the Government agrees to indemnify a nuclear operator for his loss arising from compensating for nuclear damage not covered by the liability insurance contract, and under which the nuclear operator agrees to pay the indemnity fee to the Government.

(2) Matters necessary for indemnity agreements for liability of nuclear damage shall be prescribed by a separate act.

Article 10 (Priority of Claims for Indemnity)

The provisions of Article 8 shall apply mutatis mutandis to claims for indemnity under indemnity agreement.

Article 11 (Deposit)

Deposit as financial security shall be made in the district court having jurisdiction over the principal office of the nuclear operator, either in cash or in securities as prescribed by the Presidential Decree.

Article 12 (Receipt out of Deposit)

The victim shall, with regard to his claim for the nuclear damage, be entitled to receive the compensation out of the cash or securities deposited by nuclear operators.

Article 13 (Taking back of Deposit)

(1) The nuclear operator may take back the deposited cash or securities with an approval of the Nuclear Safety and Security Commission if:
1. another financial security has been provided in lieu of the deposit, or
2. operation, etc. of the nuclear reactor is ceased.

(2) The Nuclear Safety and Security Commission may grant an approval pursuant to the provisions of paragraph 1, to the extent that it deems
necessary for ensuring the fulfillment of the compensation of the nuclear
damage, with designation of time and amount of the taking back.

**Article 13-2 (Extinctive Prescription)**

1. The right to make a claim for compensation for nuclear damage under
this Act shall lapse by prescription if it is not exercised within three
years from the date upon which a victim or his/her legal representative
became aware of such damage and of the identity of the person liable for
such damage, as prescribed in Article 3.
2. The right to make a claim for compensation for nuclear damage under
this Act shall lapse by prescription if it is not exercised within 10 years
from the date upon which a nuclear incident occurred: Provided, that the
right to claim for nuclear damage due to personal injury, disease or loss
of life shall lapse by prescription if it is not exercised within thirty years
commencing from the date on which the nuclear incident occurred.

**Article 14 (Measures by Government)**

1. The Government shall, in case nuclear damage occurs, give nuclear
operator necessary aids when the amount for which he is liable in
accordance with Article 3 exceeds the financial security amount concerned
and the Government deems it necessary to attain the purpose of this Act.
2. In cases of the proviso to Article 3 (1), the government shall take
measures necessary to rescue victims and prevent the further spread of
damage.
3. When providing aid under paragraph (1), the government shall provide
aid to the extent authorized by resolution of the National Assembly.

**Article 15 (Deliberation Committee for Nuclear Liability)**

1. The Nuclear Safety and Security Commission may establish a
Deliberation Committee for Nuclear Liability (hereinafter referred to as
“Deliberation Committee” in this Article) to mediate disputes concerning
compensation for nuclear damage.
2. The Deliberation Committee shall manage the following duties:
   1. Mediation of disputes;
   2. Investigation into and assessment of nuclear damage as necessary for
      conducting those duties under subparagraph 1.
3. Matters necessary for the organization and operation of the Deliberation
Committee, as well as for the mediation and handling of disputes, shall be
prescribed by Presidential Decree.
Article 15-2 (Legal fiction as public official in application of penalty)
Anyone who is not a civil servant among the member of the committee shall be considered as a civil servant when applying the provision of Article 127 and 129 through 132 of the Criminal Act.

Article 16 (Report and Examination)

(1) The Nuclear Safety and Security Commission may, if deems it necessary, have a nuclear operators to report or have public officials belonging to the Nuclear Safety and Security Commission to enter the offices, plants or places of business of nuclear operators (where a nuclear reactor is installed in a vessel, the said vessel) and examine books, documents or other necessary items or ask questions of interested persons.
(2) Public officials who conduct examinations or inquiries pursuant to paragraph (1) shall carry a certificate indicating their identity and present it if requested by concerned persons.

Article 17 (Consultation with Related Ministries)

The Nuclear Safety and Security Commission shall consult with relevant Ministers when it intends to issue orders under Article 6 (2).

Article 18 (Exclusion of Application)

Articles 5 through 13 shall not apply in cases where the government undertakes a nuclear project.

Article 19 (Penal Provisions)

Any person who has violated Article 5 shall be punished by imprisonment for not more than three years or by a fine not exceeding 30,000,000 won. In such cases, he/she may be punished by both imprisonment and a fine.

Article 20 (Fines for Negligence)

(1) Any of the following persons shall be punished with a fine for negligence not exceeding 5,000,000 won:
1. Any person who has not reported or has reported fraudulently in violation of Article 16;
2. Any person who has refused, obstructed or evaded an inspection, has not
responded to queries, or has made a fraudulent statement in violation of Article 16.

(2) Fines for negligence under paragraph (1) shall be imposed and collected by the Nuclear Safety and Security Commission in accordance with prescribed by Presidential Decree.

(3) Any person contesting a fine for negligence under paragraph (2) may raise an objection to the Nuclear Safety and Security Commission within 30 days from the date of awareness of such disposition.

(4) When a person who has been issued a fine for negligence under paragraph (2) raises an objection as prescribed in accordance with paragraph (3), the Nuclear Safety and Security Commission shall notify the competent court of such fact without delay and the court so notified shall try said case of fine for negligence pursuant to the Non-Contentious Case Litigation Procedure Act.

(5) When neither an objection is raised within the period prescribed in paragraph (3) nor is a fine for negligence paid, it shall be collected in the same manner as are dispositions of national taxes in arrears.

Article 21 (Joint Penal Provisions)

Where a representative of a corporation, or an agent, employee or other servant of a corporation or an individual commits an offense under Article 19 in connection with the business of that corporation or individual, not only shall the violator be punished, but also the corporation or individual shall be punished by a fine under the relevant provisions: Provided, that this shall not apply where the corporation or individual has not neglected to provide due attention and supervision regarding therelevant business in order to prevent such violations.

Article 22 (Report to National Assembly)

The Government shall, in case the nuclear damage occurs in a considerable scale, report to the National Assembly without delay on the state of such damage and the measures taken by the Government in accordance with this Act.

Article 23 Deleted.
ADDENDUM <Act No. 2094, Jan. 24, 1969>

This Act shall enter into force on the date of its promulgation.

ADDENDUM <Act No. 2765, Apr. 7, 1975>

This Act shall enter into force on the date of its promulgation.

ADDENDA <Act No. 3549, Apr. 1, 1982>
(Atomic Energy Act)

Article 1 (Enforcement Date)

This Act shall enter into force within six months from the date of its promulgation, and the date shall be prescribed by Presidential Decree.

Articles 2 through 5 Omitted.

Article 6 (Revision of other Acts)
The Nuclear Liability Act shall be amended as follows:
“Nuclear fission material or...such nuclear fission material” in Article 2 (1) shall be revised to “nuclear fuel materials or...such nuclear fuel materials”;
“fabrication” in subparagraph 2 of the same paragraph of the same Article to “conversion”; “reprocessing” in subparagraph 3 to “fabrication”; “use of nuclear fission material” in subparagraph 4 to “processing of spent nuclear fuel”; and subparagraph 5 shall be inserted as follows:
5. Use of nuclear fuel materials, as prescribed by Presidential Decree.
In Article 2 (2), “of nuclear fission material” shall be revised to “of nuclear fuel materials”; “nuclear fission material or...such nuclear fission material” to “nuclear fuel materials or...such nuclear fuel materials.”
In Article 2 (3) 1, “permitted to establish nuclear reactors (including designation; hereinafter the same shall apply)” shall be revised to “permitted to construct or operate nuclear reactors and related facilities”; “fabrication” in subparagraph 2 to “conversion”; “permitted to use nuclear fission material” in subparagraph 3 to “permitted to engage in fabrication business”; “reprocessing” in subparagraph 4 to “processing of spent nuclear fuel”; and subparagraph 5 shall be as follows and subparagraph 6 shall be inserted as follows:
5. A person who has been permitted to use nuclear fuel materials.
Article 2 (5) shall be as follows:
(5) “Nuclear fuel materials” in this Act means nuclear fuel materials (including spent nuclear fuel) as prescribed in subparagraph 3 of Article 2 of the Atomic Energy Act.

Article 2 (6) through (8) shall be omitted and paragraphs (6) through (9) shall be inserted as follows:

(6) “Radiation” in this Act means radiation as prescribed in subparagraph 7 of Article 2 of the Atomic Energy Act;

(7) “Conversion” in this Act means conversion as prescribed in subparagraph 12 of Article 2 of the Atomic Energy Act;

(8) “Fabrication” in this Act means fabrication as prescribed in subparagraph 13 of Article 2 of the Atomic Energy Act;

(9) “Processing of spent nuclear fuel” in this Act means processing of spent nuclear fuel as prescribed in subparagraph 14 of Article 2 of the Atomic Energy Act.

In Article 3 (2), “nuclear fission material or...such nuclear fission material” shall be revised to “nuclear fuel materials or...such nuclear fuel materials,” and “of nuclear fission material” shall be revised to “of nuclear fuel materials.”

ADDENDUM <Act No. 3849, May 12, 1986>

This Act shall enter into force 30 days after the date of its promulgation.

ADDENDA <Act No. 4940, Jan. 5, 1995>

Article 1 (Enforcement Date)

This Act shall enter into force nine months after the date of its promulgation.

Articles 2 through 6 Omitted.

Article 7 (Revision of other Acts)

Paragraphs (1) and (2) Omitted.

(3) The Nuclear Liability Act shall be amended as follows:

Article 2 (3) 6 shall be revised as follows:

6. Nuclear research and development institutions, institutions dedicated to nuclear safety, and institutions providing services and manufacturing products related to nuclear energy as prescribed in the Atomic Energy Act.

(4) Omitted.
Article 8 Omitted.

ADDENDUM <Act No. 6350, Jan. 16, 2001>

(1) (Enforcement Date)
This Act shall enter into force on January 1, 2002: Provided, That there vised provisions of Article 3 (5) shall enter into force on July 1, 2002.
(2) (Application of Compensation for Nuclear Damage)
The revised provisions of Articles 2, 2–2, 3 (1), (4) and (5), 3–2, and 13–2 shall apply to those cases of compensation for nuclear damage resulting from a nuclear incident that first occurred following the enforcement of this Act.

ADDENDA <Act No. 6873, May. 15, 2003>
(Act on Measures for the Protection of Nuclear Facilities, etc. and Prevention of Radiation Disasters)

Article 1 (Enforcement Date)

This Act shall enter into force nine months after the date of its promulgation.

Articles 2 through 4 Omitted.

Article 5 (Revision of other Acts)

(1) Omitted.
(2) The Nuclear Liability Act shall be revised as follows:
The “relevant Acts and subordinate statutes, such as the Disaster Management Act” in subparagraph 2 (b) of Article 2 shall be revised to the “relevant Acts and subordinate statutes, such as the Disaster Management Act or the Act on Measures for the Protection of Nuclear Facilities, etc. and Prevention of Radiation Disasters”

ADDENDA <Act No. 7188, Mar. 11, 2004>
/Framework Act on the Management of Disasters and Safety/

Article 1 (Enforcement Date)

This Act shall enter into force on the date prescribed by Presidential Decree, no later than three months from the date of its promulgation.
Articles 2 through 9 Omitted.

Article 10 (Revision of other Acts)

Paragraphs (1) through (3) omitted.
(4) The Nuclear Liability Act shall be revised as follows:
The “Disaster Management Act” in subparagraph 2 (b) of Article 2 shall be revised to the “Framework Act on the Management of Disasters and Safety.”
Paragraph (5) omitted.

Article 11 Omitted.

ADDENDA <Act No. 8581, Aug. 3, 2007>
(Commercial Act)

Article 1 (Enforcement Date)

This Act shall enter into force one year after the date of its promulgation. <Proviso Omitted>

Articles 2 through 8 Omitted.

Article 9 (Revision of other Acts)

Paragraphs (1) through (3) omitted.
(4) A portion of the Nuclear Liability Act shall be amended as follows:
In Article 3 (4), “Articles 746 through 748, Articles 842 and 848 of the Commercial Act” shall be revised to “Articles 769, 770, 773, 875 and 881 of the Commercial Act.” (5) Omitted.

ADDENDA <Act No. 8852, Feb. 29, 2008>
(Government Organization Act)

Article 1 (Enforcement Date)

This Act shall enter into force on the date of its promulgation:
Provided, That…<omitted>…,among Acts amended pursuant to Article 6 of the ADDENDUM, the sections of those Acts promulgated but not yet in effect prior to the enforcement of this Act shall come into effect on the respective enforcement dates of the relevant Acts.
Articles 2 through 5 Omitted.

Article 6 (Revision of other Acts)

(1) through <139> Omitted.

<140> A portion of the Nuclear Liability Act shall be revised as follows:

“Minister of Science and Technology” in Articles 6 (2), 7 (2), the portion other than the subparagraphs of Article 13 (1), paragraph 2 of the same Article, Articles 16 (1), 17, and 20 (2) through (4) shall be revised to “Minister of Education, Science and Technology.”

In Article 15 (1), “Ministry of Science and Technology” shall be revised to “Ministry of Education, Science and Technology.”

<141> through <760> Omitted.

Article 7 Omitted.

ADDENDUM <Act No. 10089, Mar. 17, 2010>

This Act shall enter into force on the date of its promulgation.

ADDENDA <Act No. 10911, Jul. 25, 2011>

(Nuclear Safety Act)

Article 1 (Enforcement Date)

This Act shall enter into force three months after the date of its promulgation.

Articles 2 and 3 Omitted.

Article 4 (Revision of other Acts)

Paragraphs (1) through (6) Omitted.

(7) A portion of the Nuclear Liability Act shall be revised as follows:

Article 2 (1) 3 (g) shall be as follows, and item (h) of the same subparagraph shall be inserted.

(g) Nuclear energy research and development institutions and institutions providing services and manufacturing products related to nuclear energy under the Nuclear Energy Act.

(h) Institutions dedicated to nuclear safety under the Nuclear Safety Act.
“Atomic Energy Act” in Article 2 (2) shall be revised to “Nuclear Energy Act and the Nuclear Safety Act.”
(8) through <17> omitted.

Article 5 Omitted.

**ADDENDA** <Act No. 10912, Jul. 25, 2011>
(Act on the Establishment and Operation of the Nuclear Safety and Security Commission)

Article 1 (Enforcement Date)

This Act shall enter into force three months after the date of its promulgation.

Articles 2 and 3 Omitted.

Article 4 (Revision of other Acts)

Paragraph (1) omitted.
(2) A portion of the Nuclear Liability Act shall be revised as follows:
“Minister of Education, Science and Technology” in Articles 6 (2), 13 (2), 16 (1), 17 and 20 (4) shall be revised to “Nuclear Safety and Security Commission.”
“Minister of Education, Science and Technology” in the portion other than the subparagraphs of Articles 7 (2) and 13 (1) shall be revised to “Nuclear Safety and Security Commission.”
“Ministry of Education, Science and Technology” in Article 15 (1) shall be revised to “Nuclear Safety and Security Commission.”
“Minister of Education, Science and Technology” in Article 20 (2) shall be revised to “Nuclear Safety and Security Commission.”
“Minister of Education, Science and Technology” in Article 20 (3) shall be revised to “Nuclear Safety and Security Commission.”
Paragraphs (3) and (4) omitted.

Article 5 Omitted.

**ADDENDA** <Act No. 11714, Mar. 23, 2013>
(Nuclear Energy Promotion Act)

Article 1 (Enforcement Date)

This Act shall enter into force on the date of its promulgation.
Article 2 (Amendments to Other Acts)

The Nuclear Liability Act shall be partially amended as follows:
Article 2 (1) 3 G. shall be as follows:
G. Nuclear energy research and development institutions, nuclear energy–related service entities, and product production entities prescribed in Article 11 of the Nuclear Energy Promotion Act

ADDENDUM <Act No. 13075, Jan. 20, 2015>

This Act shall enter into force on the date of its promulgation.

ADDENDUM <Act No. 13543, Dec. 1, 2015>

This Act shall enter into force six months after the date of its promulgation.
Enforcement Decree of the Nuclear Liability Act
Enforcement Decree of the Nuclear Liability Act

Presidential Decree No. 5396, Dec. 3, 1970., Partial Amendment
Enforcement Date Dec. 3, 1970
Presidential Decree No. 6701, May 25, 1973., Partial Amendment
Enforcement Date May. 25, 1973
Presidential Decree No. 7756, Aug. 22, 1975., Partial Amendment
Enforcement Date Aug. 22, 1975
Presidential Decree No. 12092, Mar. 19, 1987., Partial Amendment
Enforcement Date Mar. 19, 1987
Presidential Decree No. 17321, Jul. 30, 2001., Partial Amendment
Enforcement Date Jan. 1, 2002
Presidential Decree No. 18312, Mar. 17, 2004., Amendment by Other Act
Enforcement Date Mar. 17, 2004
Presidential Decree No. 19707, Oct. 23, 2006., Partial Amendment
Enforcement Date Oct. 23, 2006
Presidential Decree No. 20740, Feb. 29, 2008., Amendment by Other Act
Enforcement Date Feb. 29, 2008
Presidential Decree No. 20947, Jul. 29, 2008., Amendment by Other Act
Enforcement Date Feb. 4, 2009
Presidential Decree No. 21214, Dec. 31, 2008., Amendment by Other Act
Enforcement Date Dec. 31, 2008
Presidential Decree No. 23237, Oct. 25, 2011., Amendment by Other Act
Enforcement Date Oct. 26, 2011
Presidential Decree No. 23248, Oct. 25, 2011., Amendment by Other Act
Enforcement Date Oct. 26, 2011
Presidential Decree No. 23928, Jul. 4, 2012., Amendment by Other Act
Enforcement Date Jul. 4, 2012
Presidential Decree No. 24431, Mar. 23, 2013., Amendment by Other Act
Enforcement Date Mar. 23, 2013
Presidential Decree No. 25845, Dec. 9, 2014., Partial Amendment
Enforcement Date Dec. 9, 2014
Presidential Decree No. 27207, May. 31, 2016., Partial Amendment
Enforcement Date May. 31, 2016

Article 1 (Purpose)

This Decree is designed to provide matters delegated by the Nuclear Liability Act and matters necessary for its enforcement.

Article 2 (Scope of the Conversion, etc.)

The terms “conversion,” “fabrication,” “processing of spent nuclear fuel,” “use of nuclear fuel materials” and “storage, treatment or disposal of
radioactive waste” under Article 2 (1) 1 (b) through (f) of the Nuclear Liability Act (hereinafter referred to as the “Act”) shall be respectively defined as follows:

(1) Conversion
1. Conversion of uranium (uranium which contains uranium 235 and uranium 238) in which the ratio of uranium 235 to uranium is higher than in the natural mixture but less than 5/100 or its chemical compounds, or conversion of any nuclear fuel materials which include one or more of the above-stated materials and in which the quantity of the uranium 235 is not less than 2,000 grams;
2. Conversion of uranium (uranium which contains uranium 235 and uranium 238) in which the ratio of uranium 235 to uranium is not less than 5/100 or its chemical compounds, or conversion of any nuclear fuel materials which include one or more of the above-stated materials and of which the quantity uranium 235 is not less than 800 grams;
3. Conversion of plutonium or its chemical compounds, or any nuclear fuel material which includes one or more of such materials and of which the quantity of plutonium is not less than 500 grams.

(2) Fabrication
Fabrication of nuclear fuel materials specified in subparagraph 1 (a) through (c) above.

(3) Processing of spent nuclear fuel
1. Processing of spent nuclear fuel materials, where nuclear fuel materials which have been subject to a nuclear fission reaction, including those nuclear fuel materials used as fuel in a nuclear reactor, are dealt with for the purpose of research or experimentation;
2. Processing of spent nuclear fuel materials, where nuclear fuel materials which have been subject to a nuclear fission reaction, including those nuclear fuel materials used as a fuel in a nuclear reactor, are divided into nuclear fuel materials and other materials by physical or chemical means.

(4) Use of nuclear fuel materials
Use of nuclear fuel materials specified in subparagraph 1 (a) through (c) above.

(5) Storage, treatment or disposal of radioactive waste
Storage, treatment or disposal of radioactive waste as prescribed in Article 68 (1) 2 of the Nuclear Safety Act

**Article 3 (Financial Security Amount)**

The financial security amount under Article 6 (1) of the Act shall be as specified in attached Table 1.
Article 4 (Securities to be Deposited)

Securities which may be deposited by a nuclear operator pursuant to Article 11 of the Act shall be any of the following from among those securities specified in the Capital Markets and Financial Investment Services Act:
1. State bonds under Article 4 (3) of the Capital Markets and Financial Investment Services Act;

Article 5 (Application for Approval on Insurance Contract, etc.)

(1) When a nuclear operator intends to obtain approval concerning an insurance contract under Article 7 (2) of the Act or place a deposit under Article 11 of the Act, he/she shall submit an application stating the following matters to the Nuclear Safety and Security Commission under Article 3 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission (hereinafter referred to as the “Nuclear Safety and Security Commission”).
1. Name (for a corporation, its name and the name of its representative) and address;
2. Type of the operation, etc. of nuclear reactors;
3. Name and location of the plant or place of business where the operation, etc. of a nuclear reactor is conducted (where a nuclear reactor is installed on a vessel, the name and port of registry of the said vessel);
4. With regard to operating a nuclear reactor, the thermal output of the nuclear reactor in question;
5. With regard to conversion, the type and quantity of nuclear fuel materials to be converted;
6. With regard to fabrication, the type and quantity of nuclear fuel materials to be fabricated;
7. With regard to processing spent nuclear fuel, the type and quantity of spent nuclear fuel to be processed;
8. With regard to use of nuclear fuel materials, the type and quantity of nuclear fuel materials to be used;
9. With regard to transportation of nuclear fuel materials, the type and quantity of nuclear fuel materials to be transported;
10. The scheduled dates of the commencement or termination of the operation, etc. of nuclear reactors;
11. In case where it is intended to provide financial security with insurance contract under Article 7 (1) or indemnity agreement under Article 9 (1)
12. In case where it is intended to make a deposit as a financial security, the name and location of the competent district court together with, for deposit of money, its amount or, for deposit of securities, the name, total nominal value, par value, mark, number, number of sheets and coupons of such securities.

(2) The application under paragraph 1 shall be accompanied by the following documents.
1. A survey map of the plant or place of business which specifies the zone within which the operation, etc. of nuclear reactors is performed;
2. Documents proving the receipt of deposit (limited to those cases where there is intention to provide financial security by means of deposit);
3. A policy of insurance contract upon which it is intended to be agreed under Article 7 (1) of the Act (limited to those cases where there is intention to provide financial security by means of insurance contract).

Article 6 (Application for Approval on the Taking back of Deposits)

(1) When a nuclear operator intends to obtain approval under Article 13 (1) of the Act, he/she shall submit an application stating the following matters to the Nuclear Safety and Security Commission:
1. Name (for a corporation, its name and the name of its representative) and address;
2. Where a deposit is to be taken back in cash, the amount; or where a deposit is to be taken back in securities, their names, total nominal value, par value, mark, number, number of sheets and coupons of such securities;
3. Reasons for applying for the taking back of said deposit.

(2) The application in paragraph (1) shall be accompanied by documents proving that other financial security as substitutes for deposit have been provided for or that the operation, etc. of a nuclear reactor has been terminated.

Article 7 (Composition of the Deliberation Committee)

(1) The Nuclear Damage Deliberation Committee for Nuclear Liability (hereinafter referred to as “Deliberation Committee”) under Article 15 (1) of the Act shall be comprised of not more than 11 members, including a chairman:
(2) The vice-chairman of the Nuclear Safety and Security Commission shall serve as chairman of the Deliberation Committee, and members shall be
appointed or commissioned by the chairman of the Nuclear Safety and Security Commission from among public officials belonging to the Nuclear Safety and Security Commission, persons who are qualified as judges, public prosecutors or lawyers, physicians, or persons who have knowledge and experience in nuclear power or agriculture or fishery.

**Article 8 (Official Duties of Chairman)**

(1) The chairman of the Deliberation Committee shall represent the Deliberation Committee and exercise overall control over affairs of the Deliberation Committee.  
(2) If chairman of the Deliberation Committee is unable to perform his/her duties for unavoidable reasons, a member of the Deliberation Committee designated by the chairman of the Deliberation Committee shall act on his/her behalf.

**Article 9 (Operation of the Deliberation Committee)**

(1) The chairman of the Deliberation Committee shall convene committee meetings and serve as the presiding officer at committee meetings;  
(2) A meeting of the Deliberation Committee shall adopt a resolution through the attendance of a majority of all incumbent members and the consent of a majority of those present.

**Article 9-2 (Exclusion, Evasion or Avoidance of Members)**

(1) When a member of the deliberation committee falls under any of the following, he/she shall be excluded from examination and resolution by the committee:  
1. When a member or his/her current or former spouse is party to the relevant mediation case or commonly holds rights or duties with a an interested party;  
2. When a member is or was a relative of a party to the relevant mediation case;  
3. When a member has given testimony, made a statement, provided counseling, conducted research, provided a service or conducted an appraisal concerning the relevant mediation case;  
4. When a member or the corporation or organization to which he/she belongs has been an agent of a party to the relevant agenda; or  
5. When a member belongs to a business or an organization that is related to the relevant mediation case or has belonged to the business or organization within the last two years.
(2) When a party to the relevant agenda has circumstances that make it hard to expect a fair examination or resolution by a member, the party may request the Review Committee to exclude that member, and the Review Committee shall decide on such request by a resolution. In such cases, the member subject to such exclusion request shall not participate in the resolution.

(3) When a member falls under any of the causes of exclusion under the subparagraphs of paragraph 1, he/she shall evade the examination or resolution of the relevant mediation case.

**Article 9-3 (Dismissal or Release of Members)**

The Nuclear Safety and Security Commission Chairperson may dismiss or release a member of the Review Committee when he/she falls under any of the following:
1. When he/she unable to perform his/her duties due to a mental or physical impairment;
2. When he/she is deemed to be unfit because he/she has neglected his/her duties, damaged dignity, or other causes; or
3. When a member fails to exclude her/himself when falling under a subparagraph of Article 9-2 paragraph 1.

**Article 10 (Application for Dispute Mediation)**

(1) A concerned party in a dispute who intends to apply for dispute mediation concerning nuclear liability shall submit an application stating the following matters to the Deliberation Committee.
1. Names, addresses and dates of birth of the applicant and the opposite party (or of its representative in case of juristic person);
2. Purport and reasons for the application for dispute mediation;
3. Summary of the facts in dispute and the progress of the negotiation;
4. Date of application (mm–dd–yy);
5. Other references for dispute mediation.

(2) When the Deliberation Committee receives an application under paragraph (1), it shall forward the duplicate thereof to the opposite party in the dispute.

**Article 11 (Appointment of Representatives)**

(1) Where those who intend to apply to the Deliberation Committee for mediation of a dispute concerning compensation for nuclear damage are great in number, three or fewer representatives may be selected to make the application.
(2) The appointment of representatives under paragraph (1) shall be made in writing and the application under Article 10 (1) shall be accompanied by explanatory materials proving the qualification of the appointed representatives.

Article 12 (Recommendation of Application for Dispute Mediation)

The chairman of the Nuclear Safety and Security Commission may recommend that parties in dispute concerning compensation for nuclear damage should apply for mediation.

Article 13 (Consolidation or Separation of Dispute Mediation Cases)

(1) If deemed necessary, the Deliberation Committee may separate or consolidate dispute mediation cases.
(2) When cases of mediation are separated or consolidate pursuant to paragraph (1), the Deliberation Committee shall notify all parties concerned in writing of such fact without delay.

Article 14 (Third-Party Participation)

(1) A third party interested in the result of the mediation of a dispute concerning compensation for nuclear damage may participate in said mediation upon permission from the Deliberation Committee.
(2) A person who intends to apply for participation pursuant to paragraph (1) shall submit to the Deliberation Committee an application stating the following:
   1. The name, address, and date of birth of the applicant (or of its representative in case of juristic person);
   2. Grounds for application for participation;
   3. Date of application (mm–dd–yy);
   4. Other references on participation.
(3) When granting permission under paragraph (1), the Deliberation Committee shall hear opinions from both parties in advance;
(4) After granting permission on an application for participation under paragraph (1), the Deliberation Committee shall forward a duplicate of the application to both parties concerned.

Article 15 (Suspension and Termination of Dispute Conciliation)

(1) Where there are significant reasons to believe that it can be deemed inappropriate to mediate a dispute as a result of its nature or that a party
has applied for dispute mediation for unjust purposes, or where it is determined that there is insufficient possibility of a successful mediation of the dispute, the Deliberation Committee may suspend or terminate mediation of the dispute.

(2) When the mediation of a dispute is suspended or terminated pursuant to paragraph (1), the Deliberation Committee shall notify both parties concerned in writing without delay.

**Article 16** (Executive Secretary)

The Deliberation Committee shall have one executive secretary for handling its administrative affairs, and said executive secretary shall be appointed by the chairman of the Nuclear Safety and Security Commission from among public officials belonging to the Nuclear Safety and Security Commission.

**Article 17** (Allowances for Members)

A member who has attended the Deliberation Committee meeting may be granted allowances within the limits of the budget.

**Article 18** (Detailed Decree for Operation)

Except as provided in this Decree, matters necessary for the operation of the Deliberation Committee and for applications for mediating disputes, as well as the treatment procedures thereof, shall be determined by the Deliberation Committee.

**Article 19** (Criteria for the imposition of fines for negligence)

Fines for negligence under Article 20 (1) of the Act shall be imposed as per Attached Table 2.
ADDENDUM <Presidential Decree No. 5396, Dec. 3, 1970>
This Decree shall enter into force on the date of its promulgation.

ADDENDUM <Presidential Decree No. 6701, May. 25, 1973>
This Decree shall enter into force on the date of its promulgation.

ADDENDUM <Presidential Decree No. 7756, Aug. 22, 1975>
This Decree shall enter into force on the date of its promulgation.

ADDENDUM <Presidential Decree No. 12092, Mar. 19, 1987>
(1) (Enforcement Date) This Decree shall enter into force on the date of its promulgation.
(2) (Transitional Measure Concerning Changes in Amount of Compensation)
Any nuclear operator who has subscribed to liability insurance contract for nuclear damage pursuant to the former provisions prior to the enforcement date of this Decree shall, within 30 days from its enforcement date, modify the contract based on the changed amount of compensation under the amended Article 3.

ADDENDUM <Presidential Decree No. 17321, Jul. 30, 2001>
This Decree shall enter into force on January 1, 2002.

ADDENDUM <Presidential Decree No. 18312, Mar. 17, 2004>
(Amended Decrees of Parolee Monitoring Regulations, etc. for Electronic Handling of Civil Petition)
This Decree shall enter into force on the date of its promulgation.

ADDENDUM <Presidential Decree No. 19707, Oct. 23, 2006>
This Decree shall enter into force on the date of its promulgation.

ADDENDA <Presidential Decree No. 20740, Feb. 29, 2008>
(Organizational Regulations Regarding the Ministry of Education, Science and Technology and Its Affiliated Agencies)
Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

Articles 2 through 6 Omitted.

Article 7 (Revision of other Acts and Subordinate Statutes)

(1) through <93> Omitted.

<94> A portion of the Enforcement Decree of the Nuclear Liability Act shall be amended as follows:

“Minister of Science and Technology” in the portion other than the subparagraphs of Article 5 (1), Article 12, the former section of Article 19 (2), and paragraph (3) of the same Article shall be revised to “Minister of Education, Science and Technology.”

In Article 7 (2), “Vice–Minister of Science and Technology” shall be revised to “Vice–Minister of Education, Science and Technology”; “under the jurisdiction of the Ministry of Science and Technology” to “under the jurisdiction of the Ministry of Education, Science and Technology”; “Minister of Science and Technology” to “Minister of Education, Science and Technology.”

In Article 16, “under the jurisdiction of the Ministry of Science and Technology” shall be revised to “under the jurisdiction of the Ministry of Education, Science and Technology” and “Minister of Science and Technology” shall be revised to “Minister of Education, Science and Technology.”

In the remarks column of attached Table 2, “Minister of Science and Technology” shall be revised to “Minister of Education, Science and Technology.”

<95> through <102> Omitted.

ADDENDA <Presidential Decree No. 20947, Jul. 29, 2008>
(Enforcement Decree of the Financial Investment Services and Capital Markets Act)

Article 1 (Enforcement Date)

This Decree shall enter into force on February 4, 2009. <Proviso Omitted>

Articles 2 through 25 Omitted.
Article 26 (Revision of other Acts and Subordinate Statutes)

(1) through <79> Omitted.
<80> A portion of the Enforcement Decree of the Nuclear Liability Act shall be amended as follows:
In the part other than the subparagraphs of Article 4, “any of the following securities among securities prescribed in the Securities and Exchange Act” shall be revised to “any of the following securities among those securities specified in the Financial Investment Services and Capital Markets Act”; in subparagraph 1 of the same Article, “pursuant to Article 2 (1) 1 of the Securities and Exchange Act” to “under Article 4 (3) of the Financial Investment Services and Capital Markets Act”; in subparagraph 2 of the same Article, “pursuant to Article 2 (1) 2 of the Securities and Exchange Act” to “under Article 4 (3) of the Financial Investment Services and Capital Markets Act.”
<81> through <113> Omitted.

Articles 27 and 28 Omitted.

ADDENDA <Presidential Decree No. 21214, Dec. 31, 2008>
(Organization Regulations Regarding the Ministry of Public Administration and Security and Its Affiliated Agencies)

Article 1 (Enforcement Date)
This Decree shall enter into force on the date of its promulgation. <Proviso Omitted>

Articles 2 through 4 Omitted.

Article 5 (Revision of other Acts and Subordinate Statutes)

(1) through <21> Omitted.
<22> A portion of the Enforcement Decree of the Nuclear Liability Act shall be amended as follows:
“Minister of Science and Technology” in the part other than the subparagraphs of Article 6 (1) shall be revised to “Minister of Education, Science and Technology.”
<23> through <175> Omitted.

ADDENDA <Presidential Decree No. 23237, Oct. 25, 2011>
(Organization Regulations Regarding the Nuclear Safety and Security Commission)
Article 1 (Enforcement Date)

This Decree shall enter into force on October 26, 2011.

Article 2 Omitted.

Article 3 (Revision of other Acts and Subordinate Statutes)

(1) A portion of the Enforcement Decree of the Nuclear Liability Act shall be amended as follows.
In the part other than the subparagraphs of Articles 5 (1), “to the Minister of Education, Science and Technology” shall be revised to “to the Nuclear Safety and Security Commission under Article 3 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission (hereinafter referred to as the “Nuclear Safety and Security Commission”).”
In the part other than the subparagraphs of Articles 6 (1), “to the Minister of Education, Science and Technology” shall be revised to “to the Nuclear Safety and Security Commission.”
In Article 12 “Minister of Education, Science and Technology” shall be revised to “chairman of the Nuclear Safety and Security Commission.”
In Article 16, “Ministry of Education, Science and Technology” shall be revised to “Nuclear Safety and Security Commission”; and “Minister of Education, Science and Technology” shall be revised to “chairman of the Nuclear Safety and Security Commission.”
“Minister of Education, Science and Technology” in the former part of Article 19 (2) and paragraph (3) of the same Article shall be revised to “Nuclear Safety and Security Commission.”
In the remarks column of attached Table 2, “Minister of Education, Science and Technology” shall be revised to “Nuclear Safety and Security Commission.”
Paragraphs (2) through (4) Omitted.

ADDENDA <Presidential Decree No.23248, Oct. 25, 2011>
(Enforcement Decree of the Nuclear Safety Act)

Article 1 (Enforcement Date)

This Decree shall enter into force on October 26, 2011.
Article 2 Omitted.

Article 3 (Revision of other Acts and Subordinate Statutes)

Paragraphs (1) through (12) Omitted.
(13) A portion of the Enforcement Decree of the Nuclear Liability Act shall be amended as follows:
“Pursuant to Article 82 (1) 2 of the Atomic Energy Act” in subparagraph 5 of Article 2 shall be revised to “under Article 68 (1) 2 of the Nuclear Safety Act.”
(14) through <21> Omitted.

Article 4 Omitted.

ADDENDUM <Presidential Decree No. 23928, Jul. 4, 2012>
(Partially amended decrees incl. the Enforcement Decree of the Special Act on Establishment and Management of Foreign Educational Institutions in Free Economic Zones and Jeju Free International City for improving fairness of the operation of the Commission)

This Decree shall enter into force on the date of its promulgation.
<Proviso Omitted.>

ADDENDA <Presidential Decree No. 24431, Mar. 23, 2013>
(Organization of the Nuclear Safety and Security Commission)

Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

Article 2 Omitted.

Article 3 (Amendments to Other Acts)

① The Enforcement Decree of the Nuclear Liability Act shall be partially amended as follows:
“Vice Chairperson of Nuclear Safety and Security Commission” in Article 7 (2) shall be amended as “Secretary General of the Nuclear Safety and Security Commission.”
② and ③ Omitted.

ADDENDA <Presidential Decree No. 25845, Jan. 9, 2014>
Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

Article 2 (Application Concerning Financial Security Amount)

The amended provisions concerning the financial security amount in attached Table 1 subparagraph 1 Item A shall apply starting with the cases in which a nuclear business operator makes a deposit or signs an insurance contract for financial security or cases in which indemnification is paid to the National Treasury in accordance with the governmental contract for nuclear damage compensation after this Decree enters into force.

ADDENDA <Presidential Decree No. 27207, May 31, 2016>

Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation: Provided, That the amended provisions of attached Table 2 shall enter into force on June 2, 2016.

Article 2 (Amendments to Other Acts)

① The Enforcement Decree of the Act on Government Contracts for Nuclear Damage Compensation shall be partially amended as follows: “Nuclear Liability Act” in Article 2 (2) 3 and 4 shall be “Nuclear Liability Act.” “Enforcement Decree of the Nuclear Liability Act” in Article 3 shall be Enforcement Decree of the Nuclear Liability Act.”

② The Enforcement Decree of the Nuclear Safety Act shall be partially amended as follows: “Nuclear Liability Act” in Article 152 subparagraph 3 shall be “Nuclear Liability Act.”

ADDENDUM <Presidential Decree No. 27207, May. 31, 2016>

Article 1 (Enforcement date)

This Decree shall enter into force on the day it is promulgated. However, the amended provisions under Attached Table 2 shall enter into force on 2 June 2016.
### Amount of Compensation
(related to Article 3 of the Decree)

<table>
<thead>
<tr>
<th>Classification</th>
<th>Amount of Compensation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Operation of a nuclear reactor of which the thermal output is 10,000 kW or above (including the transport, storage and disposal of nuclear fuel materials or other materials contaminated by such nuclear fuel materials in a plant or a place of business where a nuclear reactor is operated, which is incidental to the operation of a nuclear reactor; hereinafter the same shall apply in subparagraphs 2 through 4):</td>
<td></td>
</tr>
<tr>
<td>a. Nuclear power reactors</td>
<td>300 million SDRs</td>
</tr>
<tr>
<td>b. Nuclear research reactors</td>
<td>6 billion won</td>
</tr>
<tr>
<td>2. Operation of a nuclear reactor of which the thermal output is 100 kW or more and less than 10,000 kW</td>
<td>1 billion won</td>
</tr>
<tr>
<td>3. Operation of a nuclear reactor of which the thermal output is 1 kW or more and less than 100 kW</td>
<td>200 million won</td>
</tr>
<tr>
<td>4. Operation of a nuclear reactor of which the thermal output is less than 1 kW</td>
<td>20 million won</td>
</tr>
<tr>
<td>5. Conversion (including the transport, storage and disposal of nuclear fuel materials or other materials contaminated by such nuclear fuel materials in a plant or a place of conversion, which is incidental to the conversion):</td>
<td></td>
</tr>
<tr>
<td>a. In the case of commercial purposes</td>
<td>20 million won</td>
</tr>
<tr>
<td>b. In the case of research purposes, etc.</td>
<td>10 million won</td>
</tr>
<tr>
<td>6. Fabrication (including the transport, storage and disposal of nuclear fuel materials or other materials contaminated by such nuclear fuel materials in a plant or a place of fabrication, which is incidental to the fabrication):</td>
<td></td>
</tr>
<tr>
<td>a. In the case of commercial purposes</td>
<td>20 million won</td>
</tr>
<tr>
<td>b. In the case of research purposes, etc.</td>
<td>10 million won</td>
</tr>
</tbody>
</table>
7. Processing of spent nuclear fuel (including the transport, storage and disposal of nuclear fuel materials or other materials contaminated by such nuclear fuel materials in a plant or a place of processing, which is incidental to the processing):

<table>
<thead>
<tr>
<th>Description</th>
<th>Penalty</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. In the case of commercial purposes</td>
<td>2 billion won</td>
</tr>
<tr>
<td>b. In the case of research purposes, etc.</td>
<td>1 billion won</td>
</tr>
</tbody>
</table>

8. Use of nuclear fuel materials (including the transport, storage and disposal of nuclear fuel materials or other materials contaminated by such nuclear fuel materials in a plant or a place of use of nuclear fuel materials, which is incidental to the use of nuclear fuel materials)

<table>
<thead>
<tr>
<th>Description</th>
<th>Penalty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20 million won</td>
</tr>
</tbody>
</table>

9. The transport and storage of nuclear fuel materials or other materials contaminated by such nuclear fuel materials, which is incidental to the operation of a nuclear reactor, conversion, fabrication, processing of spent nuclear fuel or use of nuclear fuel materials (excluding the transport and storage within a plant or a place of business where the operation of a nuclear reactor, conversion, fabrication, spent nuclear fuel processing or use of nuclear fuel materials is executed, which is incidental to operation of a nuclear reactor, conversion, fabrication, spent nuclear fuel processing materials or use of nuclear fuel materials)

<table>
<thead>
<tr>
<th>Description</th>
<th>Penalty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20 million won</td>
</tr>
</tbody>
</table>

10. The transport of spent nuclear fuel, which is incidental to the operation of a nuclear reactor or the processing of spent nuclear fuel (excluding the transport within a plant or a place of business where the operation of a nuclear reactor or processing of spent nuclear fuel is executed, which is incidental to the operation of a nuclear reactor or processing of spent nuclear fuel.)

<table>
<thead>
<tr>
<th>Description</th>
<th>Penalty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>200 million won</td>
</tr>
</tbody>
</table>

11. The operator of foreign nuclear-powered vessel who has given notification of entry to or departure from a port of the Republic of Korea

<table>
<thead>
<tr>
<th>Description</th>
<th>Penalty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>200 million won</td>
</tr>
</tbody>
</table>

12. A person granted a permit for the construction and operation of disposal facilities, etc.

<table>
<thead>
<tr>
<th>Description</th>
<th>Penalty</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. storage facilities</td>
<td>20 million won</td>
</tr>
<tr>
<td>b. processing facilities</td>
<td>200 million won</td>
</tr>
<tr>
<td>c. interim storage or disposal facilities of spent nuclear fuel</td>
<td>2 billion won</td>
</tr>
</tbody>
</table>
Remarks: a. Where the operation, etc. of a nuclear reactor within the same site [plant or the same place of business (the same vessel where a nuclear reactor is installed in a vessel; hereinafter the same shall apply)] falls under two or more subparagraphs in the above table, the financial security amount for such plant or place of business shall be the greater or greatest among the related financial security amount.

b. Financial security under Article 5 (2) of the Act shall be applied based on the same site (plant or same place of business)

c. If in spite of subparagraph b, power reactors in excess of 6 units in a site shall be secured financially in a separate financial security. In this case, every separate financial security can cover six or less units only.
Criteria for Imposition of Fine for Negligence  
(in relation to Article 19)

1. General criteria
   a. In cases falling under any of the following, the imposing authority may reduce the amount of the fine provided under Item 2 Individual criteria to within one half of the fine. However, this shall not apply to violators who default on payment of the fine.
      1) When the violator falls under any of the items of Article 2–2 (1) of the Enforcement Decree for the Act on the Regulation of Violations of Public Order;
      2) When the violation is deemed to be attributable to trivial negligence or error;
      3) When the violator is deemed to have made efforts to correct or relieve the state of violation of the law; or
      4) When it is deemed that the fine should be reduced after considering other factors, including the degree, motivation and consequences of the violation.
   b. In cases falling under any of the following, the imposing authority may increase the amount of the fine provided under Item 2 to within one half of the fine. However, the amount shall not exceed the limit of the fine as provided under Article 20 (1) of the Act.
      1) When the state of violation of the law is prolonged for six months or more; or
      2) When it is deemed that the fine should be increased after considering other factors, including the degree, motivation and consequences of the violation.

2. Individual criteria

<table>
<thead>
<tr>
<th>Act of violation</th>
<th>Base statute article</th>
<th>Amount of fine</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. When a facility operator fails to report pursuant to Article 16 of the Act or makes a false report;</td>
<td>Article 20 (1) 1</td>
<td>4,000,000 won</td>
</tr>
<tr>
<td>2. When a facility operator refuses, obstructs or evades inspection under Article 16 of the Act;</td>
<td>Article 20 (1) 2</td>
<td>5,000,000 won</td>
</tr>
<tr>
<td>3. When a facility operator fails to state pursuant to Article 16 of the Act or makes a false statement.</td>
<td>Article 20 (1) 2</td>
<td>4,000,000 won</td>
</tr>
</tbody>
</table>
Act on Indemnity Agreements for Nuclear Liability

Article 1 (Purpose)

The purpose of this Act is to protect the victims of nuclear damage and contribute to the sound development of nuclear industry by prescribing those matters concerning indemnity agreements for nuclear liability under Article 9 of the Nuclear Liability Act.

Article 2 (Definitions)

The terms used in this Act shall be defined as follows:
1. The term “operation, etc. of nuclear reactors” means the operation, etc. of nuclear reactors as prescribed in Article 2 (1) 1. of the Liability Act;
2. The term “nuclear damage” means nuclear damage as prescribed in Article 2 (1) 2. of the Nuclear Liability Act (hereinafter referred to as the “Liability Act”);
3. The term “nuclear operator” means a nuclear operator as prescribed in Article 2 (1) 3. of the Liability Act;
4. The term “financial security” means financial security for nuclear liability as prescribed in Article 5 of the Liability Act;
5. The term “financial security amount” means the amount of financial security as prescribed in Article 6 (1) of the Liability Act;
6. The term “insurance contract” means a liability insurance contract for nuclear damage as prescribed in Article 7 of the Liability Act.

Article 3 (Indemnity Agreements)

The government may conclude indemnity agreements for nuclear liability (hereinafter referred to as “indemnity agreement”) with nuclear
operators.

**Article 4 (Indemnified Losses)**

The loss against which the government indemnifies under the indemnity agreement shall be the loss suffered by a nuclear operator as a result of compensation of any of the following nuclear damage (hereinafter referred to as “indemnified loss”):

1. Nuclear damage caused by normal operation of nuclear reactor, etc. as prescribed by Presidential Decree;
2. Nuclear damages as prescribed by Presidential Decree other than those falling under subparagraph 1.

**Article 5 (Agreed Amount of Indemnity)**

The agreed amount of indemnity under an indemnity agreement (hereinafter referred to as “agreed amount of indemnity”) shall be equivalent to the financial security amount as prescribed by Presidential Decree: Provided, That in cases where a nuclear operator takes measures other than an insurance contractor indemnity agreement as financial security, the agreed amount of indemnity shall be reduced by the amount available for providing compensation for nuclear damage under such other security, and, in cases where any other indemnity agreement has been concluded, the agreed amount of indemnity shall be reduced by the amount available for providing compensation for nuclear damage under such other indemnity agreements.

**Article 6 (Period of Indemnity Agreement)**

The period of an indemnity agreement shall be from the date upon which such agreements are concluded to the date upon which the operation, etc. of the nuclear reactor referred to in the relevant indemnity agreement is terminated.

**Article 7 (Indemnity Fees)**

The amount of an indemnity fee shall be an amount equivalent to that obtained by multiplying the agreed amount of indemnity by the rate prescribed by Presidential Decree in consideration of the probability of the occurrence of indemnified losses, government administrative expenses related to the indemnity agreement, etc.
Article 8 (Conclusion of Indemnity Agreements, etc.)
Necessary matters concerning the conclusion of indemnity agreements, the time and method of paying indemnity fees, and the time and method of making indemnity payments shall be prescribed by Presidential Decree.

Article 9 (Amount of Indemnity)
The amount of indemnity paid by the government under an indemnity agreement shall fall within the agreed amount of indemnity that indemnifies a nuclear operator against losses suffered from paying compensation for nuclear damage occurring due to the operation, etc. of a nuclear reactor during the period of the relevant indemnity agreement.

Article 10 (Limit on Conclusion of Indemnity Agreement)
The total sum of the agreed amounts of indemnity under those indemnity agreements that the government concludes within a fiscal year shall remain within the limits determined by the National Assembly for each fiscal year.

Article 11 (Reports)
When a nuclear operator concludes an indemnity agreement, he/she shall report to the government all important matters concerning the operation, etc. of nuclear reactors, as prescribed by Presidential Decree. The same shall apply to any modifications to reported matters.

Article 12 (Prescription)
The entitlement to an indemnity payment shall be extinguished by prescription if said entitlement has not been exercised two years from the date upon which such entitlement could initially have been exercised.

Article 13 (Subrogation, etc.)
In cases where the government has paid an indemnity under an indemnity agreement and a nuclear operator, as the other party to the indemnity agreement, has a right of recourse against a third party, the government shall share such right to the extent of the amount of indemnity it has paid. When said nuclear operator has been paid through the exercise of its right of recourse, the government shall be exempted from the obligation to
Act on Indemnity Agreements for Nuclear Liability

indemnify to the extent of the amount that said nuclear operator has been paid.

**Article 14 (Return of Indemnity Payment)**

When the government has paid an indemnity for an indemnified loss concerning nuclear damage falling under any of the following subparagraphs, it shall require the related nuclear operator to return such indemnity payment, as prescribed by Presidential Decree:

1. Where a nuclear operator, the other party to the indemnity agreement, has not reported as prescribed in Article 11 or has fraudulently reported, that nuclear damage due to such matters which were unreported or reported fraudulently;
2. Where the government terminates an indemnity agreement as prescribed in Article 15, that nuclear damage incurred due to the operation, etc. of a nuclear reactor between the date upon which the nuclear operator received notice of such termination to the day before the date upon which such termination becomes valid.

**Article 15 (Termination of Indemnity Agreement)**

(1) When a nuclear operator, the other party to an indemnity agreement, has taken other financial security than those by the relevant indemnity agreement and insurance contract, the government may terminate said indemnity agreement. The same shall apply when the relevant nuclear operator has applied for the termination of said indemnity agreement.

(2) When the action of a nuclear operator, the other party to an indemnity agreement, falls under any of the following subparagraphs, the government may terminate said indemnity agreement:

1. When he/she has violated Article 5 (1) of the Liability Act;
2. When he/she has failed to pay indemnity fees;
3. When he/she has failed to report under Article 11 or has made a fraudulent report;
4. When he/she has failed to take security measures prescribed by Presidential Decree at facilities for the operation, etc. of a nuclear reactor;
5. When he/she has failed to take measures necessary to the reduction or prevention of nuclear damage in cases where nuclear damage has occurred or is in danger of occurring;
6. When a reason for termination stipulated by an indemnity agreement other than those prescribed in subparagraphs 1 through 5 has occurred.

(3) The termination of an indemnity agreement under paragraph (1) or (2) shall become effective 90 days from the date upon which a nuclear
operator, the other party to the indemnity agreement, receives notification of the termination.

**Article 16 (Approval, etc.)**

(1) When a nuclear operator, the other party to an indemnity agreement, intends to acknowledge all or part of its liability to the victims of nuclear damage due to the operation, etc. of a nuclear reactor, he/she shall obtain the approval of the government.

(2) When nuclear damage has occurred due to the operation, etc. of a nuclear reactor, or when a lawsuit regarding the compensation obligation for such nuclear damage has been filed by or against a nuclear operator, he/she as the other party to the indemnity agreement shall report it to the government without delay.

(3) Necessary matters concerning approval and report under paragraphs (1) and (2) shall be prescribed by Presidential Decree.

**Article 17 (Fines for Negligence)**

(1) When a nuclear operator, the other party to an indemnity agreement, falls under any of the following subparagraphs, the government shall impose a fine for negligence pursuant to paragraph (2) after he/she receives an indemnity payment:

1. When he/she has failed to take measures necessary to reduce or prevent nuclear damage in cases where such damage has occurred or is in danger of occurring;
2. When he/she has failed to obtain approval pursuant to Article 16 (1);
3. When he/she has failed to report pursuant to Article 16 (2) or has made a fraudulent report.

(2) The amount of a fine for negligence under paragraph (1) shall fall within an amount according to the classification in the following:

1. When a nuclear operator, the other party to an indemnity agreement, falls under paragraph (1) 1 or 2, an amount equivalent to 1/10 of the amount of indemnity;
2. When a nuclear operator, the other party to an indemnity agreement, falls under paragraph (1) 3, an amount equivalent to 1/1,000 of the amount of indemnity: Provided, That in cases where such amount is less than 50,000won, it shall be deemed 50,000won.

**Article 18 (Administration of Duties)**

The duties of the government prescribed by this Act shall be administered by the Nuclear Safety and Security Commission.
Article 19  Omitted.

ADDENDUM  <Act No. 2764, Apr. 7, 1975>

This Act shall enter into force on the date of its promulgation.

ADDENDA  <Act No. 8852, Feb. 29, 2008>
(Government Organization Act)

Article 1  (Enforcement Date)

This act shall enter into force on the date of its promulgation: Provided, That...<omitted>..., among Acts amended pursuant to Article 60 f the ADDENDUM, the sections of those Acts promulgated but not yet in effect prior to the enforcement of this Act shall come into effect on the respective enforcement dates of there levant Acts.

Articles 2 through 5  Omitted.

Article 6  (Revision of other Acts)

(1) through <138>  Omitted.

<139>  A portion of the Act on Indemnity Agreements for Nuclear Liability shall be revised as follows:
In Article 18, “Minister of Science and Technology” shall be revised to “Minister of Education, Science and Technology.”
<140> through <760>  Omitted.

Article 7  Omitted.

ADDENDA  <Act No. 10912, Jul. 25, 2011>
(Act on the Establishment and Operation of the Nuclear Safety and Security Commission)

Article 1  (Enforcement Date)

This Act shall enter into force three months after the date of its promulgation.

Articles 2 and 3  Omitted.

Article 4  (Revision of other Acts)
Paragraphs (1) and (2) Omitted.

(3) A portion of the Act on Indemnity Agreements for Nuclear Liability shall be revised as follows:
In Article 18, “Minister of Education, Science and Technology” shall be revised to “Nuclear Safety and Security Commission.”
Paragraph (4) Omitted.

**Article 5** Omitted.
Enforcement Decree of the Act on Indemnity Agreements for Nuclear Liability
Enforcement Decree of the Act on Indemnity Agreements for Nuclear Liability

Presidential Decree No. 7755, Aug. 22, 1975
Enforcement Date Aug. 22, 1975
Presidential Decree No. 12093, Mar. 19, 1987., Partial Amendment
Enforcement Date Mar. 19, 1987
Presidential Decree No. 19706, Oct. 23, 2006., Partial Amendment
Enforcement Date Oct. 23, 2006
Presidential Decree No. 20740, Feb. 29, 2008., Amendment by Other Act
Enforcement Date Feb. 29, 2008
Presidential Decree No. 23237, Oct. 25, 2011., Amendment by Other Act
Enforcement Date Oct. 26, 2011
Presidential Decree No. 23248, Oct. 25, 2011., Amendment by Other Act
Enforcement Date Oct. 26, 2011
Presidential Decree No. 25846, Dec. 9, 2014., Partial Amendment
Enforcement Date Dec. 9, 2014
Presidential Decree No. 27207, May. 31, 2016., Partial Amendment
Enforcement Date May. 31, 2016

Article 1 (Purpose)

The purpose of this Decree is to prescribe those matters necessary for the enforcement of the Act on Indemnity Agreements for Nuclear Liability.

Article 2 (Scope, etc. of Normal Operation, etc.)

(1) “Normal operation, etc.” pursuant to subparagraph 1 of Article 4 of the Act on Indemnity Agreements for Nuclear Liability (hereinafter referred to as the “Act”) refers to the following:
1. Operation, etc. of a nuclear reactor under the condition that is not in violation of Article 26 (including cases where it is applied mutatis mutandis in Article 34 of the same Act), subparagraph 2 of Article 36, Article 40, subparagraph 2 of Article 46 and Article 50 (1) of the Nuclear Safety Act;
2. Operation, etc. of a nuclear reactor under the condition where there is no damage to facilities used for the operation, etc. of a nuclear reactor;
3. Operation, etc. of a nuclear reactor under the condition where there is no causes of nuclear damage caused by natural calamity or act of third party.
(2) “Nuclear damage” prescribed in subparagraph 2 of Article 4 of the Act refers to any of the following:
1. Omitted.
2. Nuclear damage for which a claim for compensation was not filed by the victim of said nuclear damage before the expiration date of the period within which a nuclear operator may receive compensation to make up for a loss by a nuclear liability insurance contract (hereinafter referred to as “insurance contract”): Provided, That this shall apply only to those cases where the victim of nuclear damage was unable to file a claim for compensation due to unavoidable circumstances.

Article 3 (Agreed Amount of Indemnity)

The agreed amount of indemnity under an indemnity agreement for nuclear liability (hereinafter referred to as “indemnity agreement”) pursuant to Article 5 of the Act (hereinafter referred to as “agreed amount of indemnity”) shall be equivalent to the financial security amount as prescribed in Article 3 of the Enforcement Decree of the Nuclear Liability Act.

Article 4 (Indemnity Fee Rate)

(1) The rate prescribed in Article 7 of the Act (hereinafter referred to as “indemnity fee rate”) shall be 20/10,000 of the amount of an indemnity agreement (10/10,000 in cases of an indemnity agreement regarding the operation, etc. of a nuclear reactor at educational institutions or nuclear research institutes for educational or research purposes).
(2) Where the amount available for paying indemnity for future nuclear damage becomes less than the agreed amount of indemnity due to an indemnity payment, the indemnity fee rate shall be, preempting paragraph (1), the rate determined by multiplying the rate prescribed in said paragraph by the number obtained by dividing the amount available for payment of indemnity by the relevant agreed amount of indemnity.

Article 5 (Time for Payment of Indemnity Fees, etc.)

(1) A nuclear operator shall pay to the National Treasury on the date upon which he/she concludes an indemnity agreement and thereafter by the same date of each following year (the preceding date when the relevant date is not on the calendar of a specific year) the indemnity
fees due for the one year from the relevant date (in cases where the period of an indemnity agreement is shorter than one year, for the relevant period).

(2) Upon receiving a nuclear operator’s request for payment of indemnity pursuant to Article 8 of the Act, the Nuclear Safety and Security Commission, as prescribed in Article 3 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission (hereinafter referred to as the “Nuclear Safety and Security Commission”), shall provide such payment within 60 days from the date of its receipt of such a request: Provided, That in cases where it is impossible to provide such payment within the period due to natural disasters or other unavoidable circumstances, the Nuclear Safety and Security Commission shall make payment there of within 60 days from the date on which such causes no longer exist.

Article 6 (Reports)

Any nuclear operator who intends to conclude an indemnity agreement shall report to the Nuclear Safety and Security Commission the following matters pursuant to Article 11 of the Act:
(1) For an indemnity agreement concerning the operation of a nuclear reactor, the following matters:
1. Purpose of the use of a nuclear reactor;
2. Types, thermal output, and number of units of nuclear reactors;
3. Name and address of the plant or place of business where nuclear reactors are constructed (in case of a nuclear reactor installed on a vessel, the plant or place of business of the shipbuilder where the vessel is built);
4. Location, structure and equipment of nuclear reactor facilities;
5. Planned date of commencement or termination of the operation of a nuclear reactor (including storage or disposal of nuclear fuel materials or materials contaminated by nuclear fuel materials, which is incidental to the operation of a nuclear reactor);
6. Types of nuclear fuel materials used as fuel in a nuclear reactor and the scheduled yearly volume of consumption thereof;
7. Method of processing spent nuclear fuels;
8. Matters regarding insurance contracts.

(2) For an indemnity agreement concerning conversion, the following matters:
1. Name and address of the plant or place of business where conversion facilities are constructed;
2. Location, structure and equipment of conversion facilities, as well as method of conversion.
3. Planned date of commencement or termination of conversion (including storage or disposal of nuclear fuel materials or materials contaminated by nuclear fuel materials, which is incidental to the conversion);
4. Types of nuclear fuel materials to be converted and the scheduled yearly volume of conversion thereof;
5. Matters regarding insurance contracts.
(3) For an indemnity agreement concerning fabrication, the following matters:
1. Name and address of the plant or place of business where fabrication facilities are constructed;
2. Location, structure and equipment of fabrication facilities, as well as method of fabrication;
3. Planned date of commencement or termination of fabrication (including storage or disposal of nuclear fuel materials or materials contaminated by nuclear fuel materials, which is incidental to the fabrication);
4. Types of nuclear fuel materials to be fabricated and the scheduled yearly volume of fabrication thereof;
5. Matters regarding insurance contracts.
(4) For an indemnity agreement concerning processing of spent nuclear fuel, the following matters:
1. Name and address of the plant or place of business where the facilities for processing spent nuclear fuel are constructed;
2. Location, structure and equipment of facilities for processing spent nuclear fuel, as well as method of processing spent nuclear fuel;
3. Planned date of commencement or termination of the processing of spent nuclear fuel (including storage or disposal of nuclear fuel materials or materials contaminated by nuclear fuel materials, which is incidental to the processing of spent nuclear fuel);
4. Types of spent nuclear fuel to be processed and the scheduled yearly volume of processing thereof;
5. Matters regarding insurance contracts.
(5) For an indemnity agreement concerning the use of a nuclear fuel material, the following matters:
1. Purpose and method of use;
2. Name and address of the plant or place of business where facilities for use are constructed;
3. Location, structure and equipment of facilities for use (including the facilities for storage or disposal, if applicable);
4. Planned date of commencement or termination of use (including storage or disposal of nuclear fuel materials or materials contaminated by nuclear fuel materials, which is incidental to the use);
5. Types of nuclear fuel materials to be used and the scheduled yearly volume of use thereof;
6. Method of processing spent nuclear fuel;
7. Matters regarding insurance contracts.

(6) For an indemnity agreement concerning the transport or storage of nuclear fuel materials or materials contaminated by nuclear fuel materials, the following matters:
1. Route and mode of transport (including the location and method of storage in cases of temporary storage incidental to transport);
2. Location and method of storage;
3. Planned date of commencement and termination of transport or storage;
4. Types and volume of nuclear fuel materials or materials contaminated by nuclear fuel materials to be transported or stored;
5. Matters regarding insurance contracts.

Article 7 (Return of Indemnity Payment)

When the Nuclear Safety and Security Commission intends to require that a nuclear operator return a paid indemnity under Article 14 of the Act, it shall forward to the nuclear operator concerned a written order of return of indemnity specifying the cause thereof, amount to be returned, interest and time limit thereupon.

Article 8 (Submission of Data)

A nuclear operator shall submit to the Nuclear Safety and Security Commission the following data concerning an indemnity agreement to be concluded in the following year by not later than April 30th of every year:
1. Data on the scheduled commencement date of the operation, etc. of a nuclear reactor;
2. Data explaining the details and use of facilities in the plant or place of business (in case of a nuclear reactor installed on a vessel, the vessel) for which an indemnity agreement is to be concluded;
3. Data on the estimated amount of the indemnity agreement

Article 9 (Approval, etc.)

(1) In cases where a nuclear operator intends to acknowledge its liability, in whole or in part, to a victim of nuclear damage pursuant to Article 16 (1) of the Act, he/she shall report each of the following to the Nuclear Safety and Security Commission and obtain approval there from:
1. Time and place of the occurrence of the nuclear incident;
2. Cause of the nuclear incident;
3. Damage resulting from the nuclear incident;
4. Status of the site of the nuclear incident;
5. Plan for mitigating the nuclear damage;
6. Other necessary matters regarding compensation for the nuclear damage.

(2) A nuclear operator shall, when a legal action has been taken by or against a nuclear operator with respect to its liability for compensation for nuclear damage, report each of the following to the Nuclear Safety and Security Commission pursuant to Article 16 (2) of the Act:
1. The name of the court where the lawsuit for compensation for damages was filed by or against the nuclear operator, as well as the case number;
2. Amount and purport of claims for compensation for damage, etc.
ADDENDUM <Presidential Decree No. 7755, Aug. 22, 1975>

This Decree shall enter into force on the date of its promulgation.

ADDENDUM <Presidential Decree No. 12093, Mar. 19, 1987>

(1) (Enforcement Date) This Decree shall enter into force on the date of its promulgation.
(2) (Transitional Measures Concerning Changes in Agreed Amount of Indemnity) Any nuclear operator who concluded an indemnity agreement pursuant to the former provisions prior to the enforcement date of this Decree shall, within 30 days from its enforcement date, modify the agreement based on the changed amount of indemnity under the amended Article 3 of the Enforcement Decree of the Nuclear Liability Act.

ADDENDUM <Presidential Decree No. 19706, Oct. 23, 2006>

This Decree shall enter into force on the date of its promulgation.

ADDENDA <Presidential Decree No. 20740, Feb. 29, 2008>

(Organizational Regulations Regarding the Ministry of Education, Science and Technology and Its Affiliated Agencies)

Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

Articles 2 through 6 Omitted.

Article 7 (Revision of other Acts and Subordinate Statutes)

(1) through <94> Omitted.
<95> A portion of the Enforcement Decree of the Act on Indemnity Agreements for Nuclear Liability shall be amended as follows: “Minister of Science and Technology” used in Article 5 (2), Article 6 except its subparagraphs, Article 7, Article 8 except its subparagraphs, Article 9 (1) except its subparagraphs, and Article 9 (2) except its subparagraphs, shall be revised to “Minister of Education, Science and Technology.”
<96> through <102> Omitted.
ADDENDA <Presidential Decree No. 23237, Oct. 25, 2011>
(Organizational Regulations Regarding the Nuclear Safety and Security Commission)

Article 1 (Enforcement Date)

This Decree shall enter into force on October 26, 2011.

Article 2 Omitted.

Article 3 (Revision of other Acts and Subordinate Statutes)

Paragraph (1) Omitted.
(2) A portion of the Enforcement Decree of the Act on Indemnity Agreements for Nuclear Liability shall be amended as follows:
“To the Minister of Education, Science and Technology” in the portion excluding the subparagraphs of Article 6 shall be revised to “to the Nuclear Safety and Security Commission.”
In Article 7, “Minister of Education, Science and Technology” shall be revised to “Nuclear Safety and Security Commission.”
“To the Minister of Education, Science and Technology” in the portion excluding the subparagraphs of Article 8, Article 9 (1) and (2) shall be revised to “to the Nuclear Safety and Security Commission.”
Paragraphs (3) and (4) Omitted.

ADDENDA <Presidential Decree No. 23248, Oct. 25, 2011>
(Enforcement Decree of the Nuclear Safety Act)

Article 1 (Enforcement Date)

This Decree shall enter into force on October 26, 2011.

Article 2 Omitted.

Article 3 (Revision of other Acts and Subordinate Statutes)

Paragraphs (1) through (13) Omitted.
(14) A portion of the Enforcement Decree of the Act on Indemnity Agreements for Nuclear Liability shall be amended as follows:
In Article 2 (1) 1, “Article 29 (including cases where it is applied mutatis mutandis in Article 36 of the same Act), subparagraph 3 of Article 44, Article 53, subparagraph 3 of Article 58 and Article 62 (1) 1 of the Atomic Energy Act” shall be revised to “Article 26 (including cases where it is applied mutatis mutandis in Article 34 of the same Act), subparagraph 2 of Article 36, Article 40, subparagraph 2 of Article 46 and Article 50 (1) 1 of the Nuclear Safety Act.”
(15) through <21> Omitted.

**Article 4** Omitted.

**ADDENDUM** <Presidential Decree No. 27207, May. 31, 2016>

**Article 1** (Enforcement Date)

This Decree shall enter into force on the day it is promulgated. <The proviso has been omitted.>
Act on the Establishment and Operation of the Nuclear Safety and Security Commission
Act on the Establishment and Operation of the Nuclear Safety and Security Commission

Act No. 10912, Jul. 25, 2011
Act No. 11715, Mar. 23, 2013., Partial Amendment
Act No. 12841, Oct. 15, 2014., Partial Amendment
Act No. 13546, Dec. 1, 2015., Partial Amendment
Act No. 15282, Dec. 19, 2017., Partial Amendment
Act No. 16576, Aug. 27, 2019., Partial Amendment

Chapter I  General Provisions

Article 1 (Purpose)

The purpose of this Act is to protect individuals from radiation disasters stemming from the generation and use of nuclear power and to contribute to both the public safety and environmental conservation by establishing a Nuclear Safety and Security Commission.

Article 2 (Principles of Operation)

The Nuclear Safety and Security Commission shall maintain its independence and impartiality, prepare necessary measures for safety management (hereinafter referred to as “safety management of nuclear power”) in the research, development, generation, and use of nuclear power (hereinafter referred to as “use of nuclear power”), and endeavor to enforce such measures.

Chapter II  Establishment, etc. of the Nuclear Safety and Security Commission
Article 3 (Establishment of Commission)
(1) The Nuclear Safety and Security Commission (hereinafter referred to as the “Commission”) shall be established under the authority of the Prime Minister in order to conduct affairs related to the safety of nuclear power.
(2) The Commission shall be deemed a central administrative agency under Article 2 of the Government Organization Act: Provided, That Article 18 of the Government Organization Act shall not apply to the following matters:
1. Matters regarding granting of permission, renewal of permission, authorization, approval, registration, revocation, etc. in regard to users of nuclear power under subparagraph 5 of Article 12;
2. Matters regarding the election of the executives of the Korea Institute of Nuclear Safety and the appointment of a President under Articles 9 (4) and 11 (2) of the Korea Institute of Nuclear Safety Act;
3. Matters regarding the approval of the executives of the Korea Institute of Nuclear Nonproliferation and Control under Article 6 (5) of the Nuclear Safety Act;
4. Other matters necessary for the guarantee of independence in safety management of nuclear power as specified by Presidential Decree.

Article 4 (Composition, etc. of the Commission)
(1) The Commission shall be comprised of nine members, including a single chairperson (hereinafter referred to as the “Commission chairperson”). The Commission chairperson and one member shall be standing members.
(2) The Commission chairperson shall be considered public officials in political service.
(3) Notwithstanding Article 10 of the Government Organization Act, the standing members shall serve as government delegates.

Article 5 (Appointment and commission etc. of Commission members)
(1) Commission members shall be appointed or commissioned from among those with broad knowledge and experience in nuclear power safety. In such cases, Commission members shall be evenly from relevant fields, such as nuclear power, the environment, public health, medicine, science, technology, public safety, law, humanities, and social science, who are able to contribute to the safety of nuclear power.
(2) The Commission chairperson shall be appointed by the President of the Republic of Korea at the request of the Prime Minister; four Commission members including the standing member shall be appointed or
commissioned by President of the Republic of Korea at the request of the Commission chairperson and other four Commission members shall be appointed or commissioned by President at the request of the National Assembly.

(3) Matters necessary for the appointment or commissioning of Commission members and other matters regarding the composition of the Commission shall be prescribed by Presidential Decree.

**Article 6 (Chairperson)**

(1) The Commission chairperson shall represent the Commission, preside over Commission meetings, and hold overall control over administrative affairs within his/her remit.

(2) If necessary, the Commission chairperson may attend meetings of the State Council in order to express his/her opinions and may recommend that the Prime Minister present bills regarding administrative affairs within his/her remit.

(3) The Commission chairperson may attend meetings of the National Assembly in order to express his/her opinions on administrative affairs within his/her remit and may attend meetings of the National Assembly in order to report or answer questions upon request by the National Assembly.

(4) If the Commission chairperson is unable to perform his/her duties, the standing member shall act on behalf of the Commission chairperson, and if all standing committee members are unable to perform their duties or a committee member designated in advance by the Committee shall act on behalf of the Commission chairperson.

(5) If during the performance of his/her duties the Commission chairperson violates the Constitution of the Republic of Korea or any Act, the National Assembly may resolve to impeach him/her.

**Article 7 (Term of Office of Commission Members)**

(1) The term of office for each Commission member shall be three years and may be renewed only once.

(2) When there is a vacant seat in the Commission, a new member shall be commissioned or appointed; however, the term of office shall be calculated from the date on which he/she is commissioned or appointed. <Newly inserted, 2017. 12. 19.>

**Article 8 (Guarantee of Status, etc.)**

(1) Except in the following cases, no Commission member shall be
dismissed from office against his/her will:
1. Where a Commission member is unable to perform his/her duties for an extended period due to a mental or physical disorder;
2. Where a Commission member is disqualified on grounds under Article 10;
3. Where a Commission member breaches any of his/her official duties under this Act or any other Act;
4. Where a Commission member derives any unjust enrichment in connection with his/her duties in the Committee under this or any other Act.

(2) No Commission member shall be subject to unjust instruction or interference.

Article 9 (Prohibition on Holding of Concurrent Office, etc.)

(1) No standing member shall engage in any business activity for profit, other than his/her public service, or concurrently hold any other office.
(2) No Commission member shall engage in political activities.
(3) Necessary matters regarding limitations on business activities for profit under paragraph (1) shall be prescribed by Presidential Decree.

Article 10 (Disqualifications)

(1) No person who falls under any of the following subparagraphs shall be considered qualified to serve as a Commission member:
1. A person who falls under any subparagraph of Article 33 of the State Public Officials Act;
2. A person who has been expelled in accordance with a resolution of impeachment;
3. A member of a party under Article 22 of the Political Parties Act;
4. Anyone who is serving as an employee of an institution of the following respective sub-subparagraph (except teachers) or has resigned within the last 3 years.
   A. Institution authorized according to Article 10(1) or 20(1) of 『Nuclear Safety Act』
   B. Institution authorized according to Article 30(1) or 30-2(1) of 『Nuclear Safety Act』
   C. Institution authorized or designated according to Article 35(1) or (2) of 『Nuclear Safety Act』
   Institution authorized according to Article 63(1) of 『Nuclear Safety Act』
5. Anyone who has been or has conducting consigned service work of which
value is over 10,000,000 won such as research and development task (excluding National R & D Project according to Framework Act on Science and Technology) within the last 3 years from any institution specified in the respective sub—subparagraph of subparagraph 4.

(2) If a Commission member falls under any subparagraph of paragraph (1), he/she shall be automatically dismissed from office.

(3) The committee may request provision of data necessary to decide whether a member has any reason for disqualification according to paragraph 1 subparagraph 4 and 5 to any institution specified in the respective sub—subparagraph of subparagraph 4. In this case, the requested institution shall follow such if there is no specific reason.

Chapter III Administrative Affairs of the Commission

Article 11 (Administrative Affairs of the Commission)

(1) The administrative affairs within the remit of the Commission shall be as follows:
1. Matters regarding safety management of nuclear power;
2. Matters regarding research and development for safety management of nuclear power;
3. Other matters specified by this Act or any other Act as administrative affairs of the Commission.

(2) Further details of administrative affairs of the Commission under paragraph (1) shall be prescribed by Presidential Decree.

Article 12 (Matters subject to Deliberation and Resolution by the Commission)

The Commission shall deliberate on and determine the following matters among the administrative affairs within its remit:
1. Synthesizing and coordination of matters regarding safety management of nuclear power;
2. Matters regarding the establishment of comprehensive plans for nuclear power safety under Article 3 of the Nuclear Safety Act;
3. Matters regarding regulation of nuclear materials and nuclear reactors;
4. Matters regarding prevention of and response to hazards caused by radioactive exposure in the use of nuclear power;
5. Matters regarding granting of permission, renewal of permission, authorization, approval, registration, revocation, etc. related to users
of nuclear power;
6. Matters regarding measures against prohibited activities of users of nuclear power and the imposition of penalty surcharges;
7. Matters regarding estimation and allocation plans for expenses stemming from safety management of nuclear power;
8. Matters regarding surveys, tests, research, and development in regard to safety management of nuclear power;
9. Matters regarding the education and training of researchers and engineers for safety management of nuclear power;
10. Matters regarding safety management of radioactive waste;
11. Matters regarding countermeasures against radiation disasters;
12. Matters regarding international cooperation in safety of nuclear power;
13. Matters regarding the formulation and execution of the budget of the Commission;
14. Matters regarding the enactment, amendment, and repeal of relevant Acts, subordinate statutes, and Commission Decree;
15. Matters specified by this Act or other Act as matters subject to deliberation and resolution by the Commission.

Chapter IV Operation of the Commission

Article 13 (Meetings)

(1) A meeting of the Commission shall be convened by the Commission chairperson when two or more Commission members so request. Provided, That the Commission chairperson may convene a meeting upon his/her sole discretion.
(2) A meeting of the Commission shall adopt a resolution through an affirmative vote of the majority of incumbent members.
(3) Any Commission member may propose an agenda item.
(4) The sessions of the Commission shall be disclosed. In cases falling under any of the following, however, the Commission sessions may not be disclosed based on its resolution:
1. When it is feared that national security may be damaged
2. When the agenda is classified as secret under other statutes or the agenda includes information whose disclosure is restricted
3. When it is feared that the reputation of an individual, corporation or organization may be damaged or legitimate benefits may be
damaged
4. When it is feared that serious damage may be caused to the fair
   performance of duties as the matters are related to supervision,
   audit or human resources management
(5) has been deleted. <1 December 2015>
(6) Other necessary matters regarding the operation of meetings of the
Commission shall be prescribed by Commission Decree.

Article 13-2 (Preparation of minutes etc.)

(1) The Commission shall prepare and archive its meeting minutes
   and recordings.
(2) The minutes shall be prepared by stenographers.
(3) The minutes shall be disclosed by the day of the next meeting
   unless there exists an extraordinary reason for not doing so, including
   cases where an emergency meeting is convened urgently following the
   closure of a meeting.
(4) The contents of the minutes and recordings shall not be deleted.
   If any phrase is corrected or withdrawn based on the statement of the
   relevant person, it shall be indicated in the minutes.
(5) The Commission Rules shall provide other necessary matters for
   the preparation and archiving of the minutes and their recordings.

Article 13-3 (The audience at the meeting etc.)

(1) Any person who wishes to listen to the Commission’s meetings as
   an observer shall obtain the chairperson’s prior approval.
(2) The chairperson may order the observers to leave the meeting
   room as required to maintain good order.

Article 14 (Recusal, Challenge and Evasion of Commission Members)

(1) If a Commission member falls under any of the following
   subparagraphs, he/she shall be recused from performance of his/her
   duties:
   1. If a Commission member or a person who is or was his/her spouse is
      a party to a case at issue or is a joint right holder or an obligor in a
      case at issue;
   2. If a Commission member is or was a relative of a party to a case
      at issue;
   3. If a Commission member served as a witness or an expert witness in a
      case at issue;
4. If a Commission member is or was involved as the agent of a party to a case at issue:
5. If a Commission member was involved in the disposition or inaction that is a case at issue.

(2) The Commission shall determine such recusals upon its discretion or at the request of a party to a case at issue.
(3) If there exist grounds to believe that it is impractical to expect impartiality from a Commission member in deliberation and resolution, a party to a case at issue may file a challenge and the Commission shall decide thereon by resolution.
(4) A Commission member may voluntarily evade a case at issue if he/she demonstrates grounds under paragraph (1) or (3).

Article 15 (Establishment of Special Committees)

(1) If it is necessary to seek working-level advice on the administrative affairs of the Commission, conduct preliminary reviews of matters subject to deliberation and resolution, or efficiently conduct administrative affairs delegated by the Commission, the Commission may establish special committees falling under its jurisdiction.
(2) Necessary matters regarding the composition and operation of special committees under paragraph (1) shall be prescribed by Presidential Decree.

Article 16 (Annual Reports)

(1) The Commission shall submit to the National Assembly a report on the Commission’s performance of affairs for each fiscal year within three months of the end of each fiscal year.
(2) The Commission shall publish this report under paragraph (1): Provided, That the Commission may choose not to publish it by resolution, if there are reasonable grounds to believe that publishing the report would be improper.

Article 17 (Secretariat)

(1) The Commission shall establish a secretariat to manage administrative affairs.
(2) The secretariat shall employ a secretary general who shall be appointed by the Commission chairperson and other employees as needed.
(3) Employees of the secretariat shall be public officials in general service in relevant series of classes, but public officials outside the
relevant series of classes may be placed in the secretariat, as prescribed by Presidential Decree.

(4) Other matters necessary for the organization and operation of the secretariat shall be prescribed by Presidential Decree.

**Article 18 (Duty of Integrity)**

Any committee member who is not a civil servant and any member of special committees under Article 15 shall not receive money, goods, or any other benefits from a person who is engaged in business related to nuclear power and that is subject to deliberation or regulation in accordance with this Act.

**Article 19 (Penal Provisions)**

A person who violates Article 18 shall be punished by imprisonment with prison labor, for not more than ten years.
ADDENDA <Act No. 10912, Jul. 25, 2011>

Article 1 (Enforcement Date)

This Act shall enter into force three months after the date of its promulgation.

Article 2 (Transitional Measure concerning Administrative Affairs within Remit)

The administrative affairs under Article 11 (1) of this Act, among the administrative affairs within the remit of the Atomic Energy Safety Commission under the control of the Minister of Education, Science and Technology under the former Atomic Energy Act at the time this Act enters into force, shall be transferred to the Nuclear Safety and Security Commission under this Act.

Article 3 (Transitional Measure concerning Permission and Other Actions)

Any action taken by the Atomic Energy Safety Commission under the control of the Minister of Education, Science and Technology pursuant to the former Atomic Energy Act before this Act enters into force and any action taken in relation to the Atomic Energy Safety Commission under the control of the Minister of Education, Science and Technology shall be deemed an action taken by or regarding the Nuclear Safety and Security Commission under this Act.

Article 4 (Revision of other Acts)

(1) A portion of the Government Organization Act shall be amended as follows:
“Nuclear power” in Article 24 (1) shall be revised to “research, development, generation and use of nuclear power.”
(2) A portion of the Nuclear Damage Compensation Act shall be revised as follows:
“Minister of Education, Science and Technology” in Articles 6 (2), 13(2), 16 (1) 17 and 20(4) shall be revised to “Nuclear Safety and Security Commission.”
“Minister of Education, Science and Technology” in the part other than the subparagraphs of Articles 7 (2) and 13 (1) shall be revised to “Nuclear Safety and Security Commission.”
“Ministry of Education, Science and Technology” in Article 15 (1)
shall be revised to “Nuclear Safety and Security Commission.”
“Minister of Education, Science and Technology” in Article 20 (2)
shall be revised to “Nuclear Safety and Security Commission.”
“Minister of Education, Science and Technology” in Article 20 (3)
shall be revised to “Nuclear Safety and Security Commission.”
(3) A portion of the Act on Indemnity Agreements for Nuclear Damage
Compensation shall be revised as follows:
“Minister of Education, Science and Technology” in Article 18 shall be
revised to “Nuclear Safety and Security Commission.”
(4) A portion of the Electric Utility Act shall be revised as follows:
“Minister of Education, Science and Technology” in Article 10 (4)
shall be revised to “Nuclear Safety and Security Commission.”

**Article 5** (Relationship to other Acts and Subordinate Statutes)

A citation of the “Atomic Energy Safety Commission” or the
“chairperson of the Atomic Energy Safety Commission” in any other
Act or subordinate statute in force at the time this Act enters into
force shall be deemed a citation of the “Nuclear Safety and Security
Commission” or the “chairperson of the Nuclear Safety and Security
Commission” under this Act, depending upon the details of the affairs
prescribed in the relevant Act or subordinate statutes.

**ADDENDA** <Act No. 11715, Mar. 23, 2013>

**Article 1** (Enforcement Date)

This Act shall enter into force on the date of its promulgation.

**Article 2** (Transitional Measures Concerning the Dispositions According
to Previous Act and Ongoing Practices)

The administrative dispositions executed by the Nuclear Safety and
Security Commission, other practices and practices administered to the
Nuclear Safety and Security Commission in accordance with the Act
on Protective Action Guidelines against Radiation in the Natural
Environment, Nuclear Liability Act, Act on Government Contracts for
Nuclear Damage Compensation, Act on Physical Protection and
Radiological Emergency, Nuclear Safety Act and Korea Institute of
Nuclear Safety in force at the time when this Act entered into force
shall be regarded practices of the Nuclear Safety and Security
Commission or practices performed toward the Nuclear Safety and
Security Commission.
Article 3 (Transitional Measures Concerning Commission Members, etc.)

① The nomination of the first Chairperson of the Nuclear Safety and Security Commission and the nomination or appointment of the members thereof in accordance with the amended provisions of Article 5 (1) of the Act shall be completed within three months after the enforcement date.

② The members of the Nuclear Safety and Security Commission other than the Chairperson and the Vice Chairperson appointed or commissioned in accordance with Article 5 (1) of the Act before this Act entered into force shall be viewed as the members of the Nuclear Safety and Security Commission commissioned according to the provisions of Article 5 (1) of this Act until new members of the Commission are commissioned in accordance with this Act.

③ The public officials affiliated with the Nuclear Safety and Security Commission who were appointed according to the provisions of Article 17 (2) of the Act in force at the time when this Act entered into force shall be viewed as public officials who are affiliated with the Nuclear Safety and Security Commission in accordance with this Act.

Article 4 (Amendments to Other Acts)

① Act on Protective Action Guidelines against Radiation in the Natural Environment shall be partially amended as follows:
“Rules of the Nuclear Safety and Security Commission” in Article 9 (3) and (4), Article 10 (3), Article 12 (2), Article 13 (1), Article 16 (2), the main sentence of Article 21 (1), Article 21 (2) other than the subparagraphs thereof and Article 27 (3) shall be amended as “Ordinance of the Prime Minister.”

② The Enforcement Decree of the Act on Physical Protection and Radiological Emergency shall be partially amended as follows:
“Vice Minister of Economy and Finance, Vice Minister of Education, Science and Technology, Vice Minister of National Defense, Vice Minister of the Interior and Safety, Ministry for Food, Agriculture, Forestry and Fisheries, Vice Minister of Knowledge Economy, Vice Minister of Health and Welfare, Vice Minister of Environment, Vice Minister of Land, Transport and Maritime Affairs” in Article 5 (2) shall be amended as “One person nominated by the institution in question among the general public officials belonging to the Senior Executive Service of the Ministry of Economy and Finance, Ministry of Science, ICT and Future Planning, Ministry of National Defense, Ministry of Security and Public Administration, Ministry of

“Prescribed by the Nuclear Safety and Security Commission” in the provisos to Article 20 (1) and (2) shall be amended as “prescribed by Ordinance of the Prime Minister.”

“Vice Minister of Education, Science and Technology” shall be amended as “Vice Minister of Science, ICT and Future Planning, Vice Minister of Education,” “Vice Minister of Foreign Affairs and Trade” as “Vice Minister of Foreign Affairs,” “Vice Minister of the Interior and Safety” as “Vice Minister of Security and Public Administration,” “Ministry for Food, Agriculture, Forestry and Fisheries” as “Vice Minister of Agriculture, Food and Rural Affairs,” “Vice Minister of Knowledge Economy” as “Vice Minister of Trade, Industry and Energy,” “Vice Minister of Land, Transport and Maritime Affairs” as “Vice Minister of Land, Infrastructure and Transport, Vice Minister of Oceans and Fisheries” in Article 25 (2).

“Rules of the Nuclear Safety and Security Commission” in the proviso to Article 9 (1), Article 9 (2), Article 11, Article 12 (2) 2, Article 14, Article 20 (3), Article 21 (2), Article 29 (3), Article 32 (3), Article 35 (2), Article 37 (3) and Article 42 (2) 4 shall be amended as “Ordinance of the Prime Minister.”

3 Nuclear Safety Act shall be partially amended as follows:
“Rules of the Nuclear Safety and Security Commission” in Article 2 subparagraph 17 shall be amended as “Ordinance of the Prime Minister.”

“Rules of the Nuclear Safety and Security Commission (hereinafter referred to as “rules of the Commission”)” in the proviso to Article 10 (1) shall be amended as “Ordinance of the Prime Minister.”

“Rules of the Commission” in Article 10 (2), (4) and (5), Article 11 subparagraph 1, the proviso to Article 12 (1), Article 12 (2), the proviso to Article 15 (1), Article 18, proviso to Article 20 (1), Article 20 (2), Article 25, the proviso to Article 28 (1), the proviso to Article 30 (1), the main sentence of Article 30 (2), Article 31 (2), the provisos to Article 35 (1) and (2), Article 35 (3), Article 36 subparagraph 1, Article 39, the proviso to Article 42 (1), the proviso to Article 45 (1) other than the subparagraphs thereof, Article 45 (2), Article 46 subparagraph 1, Article 49, Article 52 (1) 2 and (4), the proviso to Article 53 (1), the preceding paragraph of Article
53 (2), the main sentence of Article (3), Article 54 (1) 6 and (3), Article 55 (2) 1 and 3, Article 58, the proviso to Article 60 (1), Article 60 (2), the proviso to Article 63 (1), Article 63 (2), Article 64 subparagraph 1, Article 67, Article 70 (2) and (4), Article 71 (1), the preceding paragraph of Article 71 (2), Article 74 (1), the preceding paragraph of and proviso to Article 76 (1), Article 76 (2), Article 78 (3), Article 79 subparagraph 1, Article subparagraph 2, Article 82, Article 86 (2), Article 88 (1), Article 94 subparagraphs 2 and 3, Article 100 (1), Article 103 (2), Article 104 (1) other than the subparagraphs, Article 105 (3), Article 106 (3) and the main sentence of Article 112 shall be amended as “Ordinance of the Prime Minister.”

“Rules of the Commission” in Article 11 subparagraph 2 shall be amended as “Rules of the Nuclear Safety and Security Commission (hereinafter referred to as "rules of the Commission").”

“Minister of Land, Transport and Maritime Affairs” in Article 31 (1) and 93) shall be amended as “Minister of Oceans and Fisheries,” “Minister of Education, Science and Technology and Minister of Knowledge Economy” in Article 35 (4) as “Minister of Science, ICT and Future Planning and Minister of Trade, Industry and Energy,” and “Minister of Knowledge Economy” in Article 107 as “Minister of Trade, Industry and Energy.”

Article 5 (Special Cases Arising from Amendments to Other Acts)

① Notwithstanding the amended provisions of Article 4 (1) of the Addenda, “Rules of the Nuclear Safety and Security Commission” referred to in Article 9 (3) and (4), Article 10 (3), Article 12 (2), Article 13 (1), Article 16 (2), the main sentences of Article 21 (1), Article 21 (1) other than the subparagraphs thereof and Article 27 (3) of the Act on Protective Action Guidelines against Radiation in the Natural Environment in force at the time when this Act entered into force shall be viewed as “Ordinance of the Prime Minister” until an Ordinance of the Prime Minister is issued within three months after this Act enters into force.

② Notwithstanding the amended provisions of Article 4 (2) of the Addenda, “Rules of the Nuclear Safety and Security Commission” referred to in the proviso to Article 9 (1), Article 9 (2), Article 11, Article 12 (2) 2, Article 14, proviso to Article 20 (1), proviso to Article 20(2), Article 20 (3), Article 21 (2), Article 29 (3), Article 32 (3), Article 35 (2), Article 37 (3) and Article 42 (2) 4 of the Act on Physical Protection and Radiological Emergency in force at the
time when this Act entered into force shall be viewed as “Ordinance of the Prime Minister” until an Ordinance of the Prime Minister is issued within three months after this Act enters into force.

3 Notwithstanding the amended provisions of Article 4 (3) of the Addenda, “Rules of the Nuclear Safety and Security Commission” referred to in the Article 2 subparagraph 17, the proviso to Article 10 (1), Article 10 (4) and (5), Article 11 subparagraph 1, the proviso to Article 12 (1), Article 12 (2), the proviso to Article 15 (1), Article 18, the proviso to Article 20 (1), Article 20 (2), Article 25, the proviso to Article 28 (1), the proviso to Article 30 (1), the main sentence of Article 30 (2), Article 31 (2), the provisos to Article 35 (1) and (2), Article 35 (3), Article 36 subparagraph 1, Article 39, the proviso to Article 42 91), the proviso to Article 45 (1) other than the subparagraphs thereof, Article 45 (2), Article 46 subparagraph 1, Article 49, Article 52 (1) 2 and (4), the proviso to Article 53 (1), the preceding paragraph of Article 53 (2), the main sentence of Article 53 (3), Article 54 (1) 6 and (3), Article 55 (2) 1 and 3, Article 58, the proviso to Article 60 (1), Article 60 (2), the proviso to Article 63 (1), Article 63 (2), Article 64 subparagraph 1, Article 67, Article 70 (2) and (4), Article 71 (1), the preceding paragraph of Article 71 (2), Article 74 (1), the preceding paragraph of and proviso to Article 76 (1), Article 76 (2), Article 78 (3), Article 79 subparagraphs 1 and 2, Article 82, Article 86 (2), Article 88 (1), Article 94 subparagraphs 2 and 3, Article 100 (1), Article 103 (2), Article 104 (1) other than the subparagraph Article 105 (3), Article 106 (3), and the main sentence of Article 112 of the Nuclear Safety Act in force at the time when this Act entered into force shall be viewed as “Ordinance of the Prime Minister” until an Ordinance of the Prime Minister is issued within three months after this Act enters into force.

ADDENDUM <Act No. 12841, Oct. 15, 2014>

This Act shall enter into force six months after the date of its promulgation.

ADDENDA <Act No. 13546, Dec. 1, 2015>

Article 1 (Enforcement Date)

This Act shall enter into force three months from the date of its promulgation.
**Article 2** (Application of rules for disclosure of minutes)

The disclosure of minutes provided under the amended provisions of Article 13-2 (3) shall apply to the first meeting of the Commission that is held after the enforcement of this Act.

**ADDENDUM** <Act No. 15282, Dec. 19, 2017>

This Act shall enter into force on the date of its promulgation.
Enforcement Decree of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission
Enforcement Decree of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission

Enforcement Decree of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission

Presidential Decree No. 23247, Oct. 25, 2011
Enforcement Date Oct. 26, 2011

Article 1 (Purpose)

The purpose of this Decree is to provide for those matters stipulated by the Act on the Establishment and Operation of the Nuclear Safety and Security Commission and for matters necessary for the enforcement thereof.

Article 2 (Guarantee of Independence of Safety Management of Nuclear Power)

“Matters specified by Presidential Decree” in Article 3 (2) 4 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission (hereinafter referred to as the “Act”) means any of the following:
1. Matters concerning the formulation of comprehensive nuclear safety plans under Article 3 of the Nuclear Safety Act;
2. Matters concerning orders pursuant to Articles 12 (3), 15 (2), 16 (2) (including cases where it is applied mutatis mutandis in Article 34 of the same Act), 17 (1), 22 (2) (including cases where it is applied mutatis mutandis in Article 34 of the same Act), 23 (2), 24 (1), 27 (including cases where it is applied mutatis mutandis in Article 34 of the same Act), 28 (4) (including cases where it is applied mutatis mutandis in Article 34 of the same Act), 32, 37 (2), 38 (1), 41, 42 (4), 47 (2), 48, 50 (2), 52 (3), 56 (2), 57 (1), 59 (2), 65 (2), 66 (1), 68 (2), 75 (2), 80 (2), 81 (1), 92 (2), 98 (1) and (3) and 104 (3) of the Nuclear Safety Act;
3. Matters concerning the designation of restricted areas under Article 89 (1) of the Nuclear Safety Act and concerning orders to restrict the entry and residence of the general public within areas restricted under paragraph (2) of the same Article.
Article 3 (Prohibition of For-profit Business)

No standing member of the Nuclear Safety and Security Commission under Article 3 (1) of the Act (hereinafter referred to as the “Commission”) shall engage in any business for which he/she provides labor and receives regular remuneration, pursuant to Article 9 (3) of the Act.

Article 4 (Special Committees)

(1) Special Committees under Article 15 of the Act (hereinafter referred to as “special committee”) shall include no more than 15 members, including one chairperson.
(2) The chairperson of a special committee shall be nominated by the Commission chairperson from among the members of the special committee; the members of a special committee shall be commissioned or appointed by the Commission chairperson from among the following persons:
1. Persons who have extensive knowledge and experience in nuclear power;
2. Employees of related agencies.
(3) The term of office for each member of a special committee shall be two years and may be renewed only once.
(4) A meeting of a special committee shall be convened with the attendance of the majority of incumbent members and agenda items shall be resolved through a majority of those members present.
(5) In any of the following cases, the Commission may organize a separate special committee to investigate relevant issues:
1. Where a critical accident occurs in the safety system of a facility related to nuclear power;
2. Where environmental pollution from a radiation accident occurs;
3. Where a grave accident with radiation exposure occurs;
4. Where an overseas radiation-related accident corresponding to cases under subparagraphs 1 through 3 occurs, or where radioactive contamination spreads.
(6) Paragraph (3) shall not apply to special committees under paragraph (5)
(7) In addition to matters prescribed in paragraphs (1) through (6), matters necessary for the organization and operation of special committees shall be prescribed by the Decree of the Nuclear Safety and Security Commission.
Article 5 (Request for Investigation, Research, etc.)
(1) When necessary for the deliberation of business falling under their jurisdiction and for other tasks, the chairpersons of the Commission and of special committees may request related agencies or specialists from home or abroad to conduct investigations or research or provide data on the relevant issues.
(2) Where investigation or research or the provision of data is requested pursuant to paragraph (1), expenses to be incurred therein may be provided within budgetary limits.

Article 6 (Hearing Opinions)
If recognized as necessary for deliberation, the Commission and special committees may request the attendance of employees of related agencies, etc. in order to hear their opinions.

Article 7 (Allowances and Travel Expenses)
Allowances and travel expenses may be provided to members and to employees of related agencies, etc. who attend a meeting of the Commission or special committees, within budgetary limits: Provided, That this shall not apply where a member who is a public official attends the Act on the Establishment and Operation of the Nuclear Safety and Security Commission or special committees in direct relation to his/her pertinent business.
ADDENDUM <Presidential Decree No. 23247, Oct. 25, 2011>

This Decree shall enter into force on October 26, 2011.
Korea Institute of Nuclear Safety Act

Act No. 4195, Dec. 30, 1989
Enforcement Date Dec. 30, 1989
Act No. 4541, Mar. 6, 1993., Amendment by Other Act
Enforcement Date Mar. 6, 1993
Act No. 4940, Jan. 5, 1995., Amendment by Other Act
Enforcement Date Oct. 6, 1995
Act No. 5233, Dec. 30, 1996., Amendment by Other Act
Enforcement Date Jul. 1, 1997
Act No. 5454, Dec. 13, 1997., Amendment by Other Act
Enforcement Date Jan. 1, 1998
Act No. 5820, Feb. 8, 1999., Amendment by Other Act
Enforcement Date Aug. 9, 1999
Act No. 6441, Mar. 28, 2001., Partial Amendment
Enforcement Date Mar. 28, 2001
Act No. 8852, Feb. 29, 2008., Amendment by Other Act
Enforcement Date Feb. 29, 2008
Act No. 9640, May 8, 2009., Partial Amendment
Enforcement Date May 8, 2009
Act No. 10917, Jul. 25, 2011., Partial Amendment
Enforcement Date Oct. 26, 2011
Act No. 12765, Oct. 15, 2014., Amendment by Other Act
Enforcement Date Oct. 15, 2014
Act No. 13391, Jun. 22, 2015., Partial Amendment
Enforcement Date Jan. 1, 2016
Act No. 14959, Oct. 24, 2017., Partial Amendment
Enforcement Date Apr. 25, 2018
Act No. 12765, Oct. 31, 2017., Amendment by Other Act
Enforcement Date Nov. 1, 2018

Article 1 (Purpose)

The purpose of this Act is to establish the Korea Institute of Nuclear Safety as a dedicated technical expert organization for nuclear safety regulation, thereby protecting the public from radiation disaster arising from the production and utilization of nuclear energy and contributing to public safety and environmental conservation.

Article 2 (Legal Entity)

The Korea Institute of Nuclear Safety (hereinafter referred to as the “Institute”) shall be a corporation.
Article 3 (Establishment)

(1) The Institute shall come into existence by registering its establishment with the authority at the location of its principal office.
(2) The registration for establishment under paragraph (1) shall include the following:
   1. Purpose;
   2. Title;
   3. Location of the principal office;
   4. Names and addresses of executives;
   5. Method of notification.
(3) The provisions regarding the registration of a foundation in the Civil Act shall apply mutatis mutandis to any registration other than the registration for establishment.

Article 4 (Offices, etc.)

(1) The location of the principal office of the Institute shall be established by its articles of incorporation.
(2) The Institute may establish branch offices, as prescribed by its articles of incorporation.
 [This Article Wholly Amended by Act No. 9640, May 8, 2009]

Article 5 (Articles of Incorporation)

(1) The articles of incorporation of the Institute shall include the following:
   1. Purpose;
   2. Title;
   3. Location of the principal office;
   4. Matters concerning its undertaking and finance;
   5. Matters concerning its executives;
   6. Matters concerning its board of directors;
   7. Matters concerning the amendment to its articles of incorporation;
(2) If the Institute intends to amend its articles of incorporation, it shall obtain authorization from the Nuclear Safety and Security Commission under Article 3 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission (hereinafter referred to as the “Commission”). <Amended by Act No. 10917, Jul. 25, 2011>
 [This Article Wholly Amended by Act No. 9640, May 8, 2009]
Article 6 (Undertaking)

The Institute shall undertake the following tasks in order to achieve its purpose under Article 1:
1. Tasks entrusted pursuant to Article 111 (1) of the Nuclear Safety Act and Article 45 (1) of the Act on Physical Protection and Radiological Emergency;
2. Research and development related to nuclear safety regulation;
3. Technical support for developing policy and systems concerning nuclear safety regulation;
4. Technical support for radiation protection;
5. Management of information regarding nuclear safety regulation;
6. Survey and assessment of environmental radiation;
7. Education on nuclear safety regulation;
8. Support for international cooperation in nuclear safety regulation;
9. Tasks incidental to subparagraphs 1 through 8, which are deemed necessary by the Commission.

Article 7 (Cooperation with Other Organizations)

The Institute may enter into a technical partnership with research institutes, universities, specialized organizations or businesses, domestic or international, or it may entrust them or be entrusted by them with technical services, when deemed necessary to carry out effectively the tasks under Article 6.

Article 8 (Business Year)

The business year of the Institute shall coincide with that of the Government.

Article 9 (Executives)

(1) The executives of the Institute shall be not more than 11 directors, including the president, and one auditor.
(2) The term of office of the president shall be three years and that of directors and the auditor shall be two years; the term of office of the president, directors and the auditor may be subsequently renewed on a yearly basis.
(3) Among the directors specified in paragraph (1), the president shall be a standing member and directors other than the president shall be non–standing members.
(4) Executives other than the president shall be appointed as prescribed by the Act on the Management of Public Institutions and by the Institute’s articles of incorporation.
(5) Excepting as otherwise provided for in paragraphs (1) through (4), those matters necessary for performing the duties, etc. of executives shall be prescribed by the articles of incorporation.

Article 9–2 (Reasons for Disqualification)

(1) A person who falls under any of the following cannot become an executive:
1. A person falling under any of the subparagraphs of Article 33 of the State Public Officials Act;
2. A member of a political party referred to in Article 22 of the Political Parties Act;
3. A person who has used nuclear energy in the past three years, the head of an organization using nuclear energy, or a person who has worked or is working therefor as an employee;
4. A person who has been involved or is involved in a project carried out by a nuclear energy user or an organization using nuclear energy by being commissioned a research and development project from a nuclear energy user or an organization using nuclear energy, etc. in the past three years.
(2) An executive who falls under any of the subparagraphs of paragraph (1) shall resign from the position.

Article 10 (Board of Directors)

(1) The Institute shall install a board of directors under its jurisdiction in order to deliberate and decide on important issues.
(2) The chair of the board of directors shall be appointed from among the directors in accordance with the procedures prescribed by the articles of incorporation.
(3) A meeting of the board of directors shall be convened at the request of the chair of the board or of a minimum of one-third of the incumbent members, and the chair of the board shall preside over the meeting.
(4) The chair of the board shall not concurrently assume the position of the president of the Institute.
(5) The auditor may attend a meeting of the board of directors and state his/her opinions.
(6) Other matters deemed necessary for the operation, etc. of the board of directors shall be determined by the articles of incorporation.
Article 11 (President)

(1) The Institute shall have one president.
(2) The president shall be appointed by the chairperson of the Commission from among multiple candidates recommended by the Executive Recommendation Committee established under the jurisdiction of the Institute in accordance with Article 29 of the Act on the Management of Public Institutions.
(3) The president shall represent the Institute, hold overall control over the administrative affairs of the Institute, and direct and supervise the employees of the Institute.
(4) The organization and other procedures of the Executive Recommendation Committee shall be governed by the Act on the Management of Public Institutions and the articles of incorporation of the Institute.

Article 12 (Organizations and Staff)

The Institute shall include those organizations and staff required to undertake its tasks, and the establishment of organizations and the staffing levels shall be determined by the president upon decision by the board of directors.

Article 13 (Operational Funds)

The Institute shall be operated with the following funds:
1. Contributions from the Government or persons other than the Government;
2. has been deleted <22 June 2015>;
3. Other revenues.

Article 14 (Contributions)

(1) The Government may provide contributions to the Institute, within budgetary limits, to defray the expenses incurred in the establishment and operation of the Institute.
(2) Matters necessary for the provision of contributions under paragraph (1) shall be prescribed by Presidential Decree.

[This Article Wholly Amended by Act No. 9640, May 8, 2009]

Article 15 (Cost-bearing)

has been deleted <22 June 2015>
**Article 16** (Gratuitous Lending of State Property)

If deemed necessary for the establishment and operation of the Institute, the Government may gratuitously lend state property to the Institute, as prescribed by the State Property Act.

**Article 17** (Business Plans and Budget)

The Institute shall submit its business plans and budget proposals, each business year, to the Commission and obtain approval therefor, as prescribed by the Presidential Decree. This shall also apply where it intends to alter its business plans and budget. <Amended by Act No. 10917, Jul. 25, 2011>

**Article 18** (Reporting on Business and Balancing Accounts)

(1) The Institute shall report on a quarterly basis the performance of the implementation of its business plans to the Commission.

(2) Upon the completion of each fiscal year, the Institute shall, without delay, prepare closing statements for the pertinent fiscal year and undergo financial audit by a financial auditor appointed from among any of the following persons (hereinafter referred to as “financial auditor”), as prescribed by the Rules of the Board of Audit and Inspection. In such cases, the Institute shall submit its closing statements to the financial auditor within the period determined by the Rules of the Board of Audit and Inspection after the end of each fiscal year:

1. An accounting corporation under Article 23 of the Certified Public Accountant Act;
2. An audit team referred to in Article 2 subparagraph 7 item B of the Act on External Audit of Stock Companies.

(3) The Institute shall submit the closing statements under paragraph (2) to the Commission within two months after the end of each fiscal year, obtain approval therefor and confirm the balancing of accounts.

(4) In cases falling under paragraph (2), matters directly related to the business pertaining to national secrets, among those matters to be entered in closing statements, may be excluded from the matters subject to financial audit.

**Article 19** (Requests, etc. for Submission of Data)

(1) The Institute may request state institutions, local governments, public organizations, public institutions under the Act on the Management of Public Institutions, research institutes, educational institutions, or nuclear
energy-related business operators, etc., to submit data deemed necessary for undertaking the tasks of the Institute.

(2) The head of the institution requested to submit data pursuant to paragraph (1) shall submit such data, unless extenuating circumstances exist.

**Article 20 (Prohibition of Use of Similar Titles)**

No person other than the Institution under this Act shall use the title of the Korea Institute of Nuclear Safety or any title similar thereto.

**Article 21 (Confidentiality)**

No person who is or was an executive or employee of the Institute shall divulge or make unauthorized use of any information he/she obtains in the course of the performance of his/her duty.

**Article 22 (Mutatis Mutandis Application of the Civil Act)**

Excepting as otherwise prescribed in this Act and the Act on the Management of Public Institutions, the provisions in the Civil Act regarding a foundation shall apply mutatis mutandis to the Institute.

**Article 23 (Penal Provisions)**

A person who divulges or makes unauthorized use of confidential information, in violation of Article 21, shall be punished by imprisonment for not more than three years or by a fine not exceeding thirty million Korean won.

**Article 24 (Fines for Negligence)**

(1) A person who uses any similar title in violation of Article 20 shall be punished by a fine for negligence not exceeding one million Korean won.

(2) Fines for negligence under paragraph (1) shall be imposed and collected by the Commission.
ADDENDA <Act No. 4195, Dec. 30, 1989>

Article 1 (Enforcement Date)

This Act shall enter into force on the date of its promulgation.

Article 2 (Succession to Rights or Obligations)

(1) Among properties such as land, buildings, facilities and equipment and the rights or obligations of the Korea Energy Research Institute under the Korea Energy Research Institute Act (hereinafter referred to as the "Research Institute"), the Institute shall succeed to the properties and rights or obligations that the board of directors of the Research Institute determined to transfer or hand over to the Institute, at the time at which the Institute registers its establishment.
(2) The value of the properties to be succeeded by the Institute pursuant to paragraph (1) shall be the book value on the day preceding the date on which the Institute registers its establishment.

Article 3 (Status of Employees)

Upon the establishment of the Institute, employees of the Research Institute at the time of the establishment who pertain to the scope determined by the establishment committee shall be deemed appointed as employees of the Institute.

Article 4 (Preparation for Establishment)

(1) The Minister of Science and Technology shall commission up to five establishment committee members within 30 days after this Act enters into force and require them to take charge of affairs regarding the establishment of the Institute and the appointment of directors and auditors at the time of its establishment.
(2) Establishment committee members shall prepare the articles of incorporation of the Institute and obtain authorization from the Minister of Science and Technology.
(3) The president of the Institute at the time of its establishment shall be appointed by the Minister of Science and Technology.
(4) When authorization under paragraph (2) is granted, establishment committee members shall, without delay, register the establishment of the Institute through joint signature and transfer relevant affairs to the president.
(5) Establishment committee members shall be deemed decommissioned when the transfer of affairs under paragraph (4) has been completed.

**ADDENDA**  <Act No. 4541, Mar. 6, 1993>
(Government Organization Act)

**Article 1** (Enforcement Date)

This Act shall enter into force on the date of its promulgation. (Proviso Omitted.)

**Articles 2 and 3** Omitted.

**Article 4** (Revision of other Acts Following the Foundation of the Ministry of Trade, Industry and Energy)

(1) through <70> Omitted.
<71> A portion of the Korea Institute of Nuclear Safety Act shall be revised as follows:
In Article 15 (2), “Minister of Energy and Resources” shall be revised to “Minister of Trade, Industry and Energy.”
<72> through <100> Omitted.

**Article 5** Omitted.

**ADDENDA**  <Act No. 4940, Jan. 5, 1995>
(Atomic Energy Act)

**Article 1** (Enforcement Date)

This Act shall enter into force nine months after the date of its promulgation.

**Articles 2 through 6** Omitted.

**Article 7** (Revision of other Acts)

(1) Omitted.
(2) A portion of the Korea Institute of Nuclear Safety Act shall be revised as follows:
In Article 15 (1), “nuclear energy–related business operator” shall be
revised to “person who applies for a relevant permit, designation or approval in accordance with the Atomic Energy Act, relevant nuclear energy–related business operator, performance verification business operator or dosimeter reading service operator (hereinafter referred to as “nuclear energy–related business operator”); in Article 15 (2), “nuclear energy–related business operator” shall be revised to “nuclear energy–related business operator, etc.” (3) and (4) Omitted.

**Article 8** Omitted.

**ADDENDA** <Act No. 5233, Dec. 30, 1996>
(Atomic Energy Act)

**Article 1** (Enforcement Date)

This Act shall enter into force six months after the date of its promulgation. (Proviso Omitted.)

**Articles 2 through 6** Omitted.

**Article 7** (Revision of other Acts)

(1) Omitted.
(2) A portion of the Korea Institute of Nuclear Safety Act shall be revised as follows:
In Article 15 (1), “performance verification business operator or dosimeter reading service operator” shall be revised to “performance verification business operator, independent dosimeter reader or dosimeter reading service operator.”

**Article 8** Omitted.

**ADDENDUM** <Act No. 5454, Dec. 13, 1997>
(Act on the Adjustment of the Building Act, etc. Following the Change in the Names, etc. of Government Ministries and Agencies)

This Act shall enter into force on January 1, 1998. (Proviso Omitted.)

**ADDENDA** <Act No. 5820, Feb. 8, 1999>
(Atomic Energy Act)
Article 1 (Enforcement Date)

This Act shall enter into force six months after the date of its promulgation. (Proviso Omitted.)

Articles 2 through 5 Omitted.

Article 6 (Revision of other Acts)

A portion of the Korea Institute of Nuclear Safety Act shall be revised as follows:
In Article 15 (1), “performance verification business operator, independent dosimeter reader or dosimeter reading service operator” shall be revised to “dosimeter reading service provider.”

ADDENDUM <Act No. 6441, Mar. 28, 2001>

This Act shall enter into force on the date of its promulgation.

ADDENDA <Act No. 8852, Feb. 29, 2008>
(Government Organization Act)

Article 1 (Enforcement Date)

This Act shall enter into force on the date of its promulgation:
Provided, That...<omitted>, among Acts amended pursuant to Article 6 of the ADDENDUM, the sections of those Acts promulgated but not yet in effect prior to the enforcement of this Act shall come into effect on the respective enforcement dates of the relevant Acts.

Articles 2 through 5 Omitted.

Article 6 (Revision of other Acts)

(1) through <151> Omitted.

<152> A portion of the Korea Institute of Nuclear Safety Act shall be revised as follows:
In Article 5 (2), subparagraph 7 of Article 6, Articles 9 (2) and 11 (2), the former part of Article 17 and Article 18 (1) and (2), “Minister of Science and Technology” shall be revised to “Minister of Education, Science and Technology.”
In Article 15 (1), “Minister of Science and Technology” shall be revised to “Minister of Education, Science and Technology”; and in Article 15 (2), “Minister of Science and Technology” shall be revised to “Minister of Education, Science and Technology” and “Minister of Finance and Economy and Minister of Commerce, Industry and Energy” to “Minister of Strategy and Finance and Minister of Knowledge Economy.”

Article 7 Omitted.

ADDENDUM <Act No. 9640, May 8, 2009>

(1) (Enforcement Date) This Act shall enter into force on the date of its promulgation.

(2) (Applicability to Financial Audit, etc.) The revised provisions of Article 18 shall apply to balancing of accounts from fiscal year 2010: Provided, That the balancing of accounts of the fiscal year of 2009 shall be governed by Article 43 of the Act on the Management of Public Institutions (referring to the version prior to the amendment by Act No. 9513).

ADDENDUM <Act No. 10917, Jul. 25, 2011>

This Act shall enter into force three months after the date of its promulgation.

ADDENDA <Act No. 12765, Oct. 15, 2014> (Specific Research Institutes Support Act)

Article 1 (Enforcement Date)

This Act shall enter into force on the date of its promulgation.

Article 2 (Amendments to Other Acts)

① Omitted.

② The Korea Institute of Nuclear Safety Act shall be partially amended as follows:

“Up to 2 million won” in Article 23 shall be amended as “up to 3 million won.”
ADDENDUM <No. 13391, 22 June 2015>

This Act shall enter into force on 1 January 2016.

ADDENDUM <Act No. 14959, Oct. 24, 2017>

This Act shall enter into force six months after the date of its promulgation.

ADDENDA <Act No. 15022, Oct. 31, 2017>  
(Act on External Audit of Stock Companies)

Article 1 (Enforcement Date)

This Act shall enter into force one year after the date of its promulgation.

Article 2 through Article 13 Omitted.

Article 14 (Amendments to Other Acts)

① through ⑩ Omitted.
⑪ The Korea Institute of Nuclear Safety Act shall be partially amended as follows:
“Article 3 (1) subparagraph 3 of the Act on External Audit of Stock Companies” in Article 18 (2) 2 shall be amended as “Article 2 subparagraph 7 item B of the Act on External Audit of Stock Companies.”
⑫ and ⑬ Omitted.

Article 15 Omitted.
Enforcement Decree of the Korea Institute of Nuclear Safety Act
Enforcement Decree of the Korea Institute of Nuclear Safety Act

Article 1 (Purpose)

The purpose of this Decree is to prescribe those matters delegated by the Korea Institute of Nuclear Safety Act and those necessary for the enforcement thereof.

Article 2 (Submission of Budget Request for Contributions)

The Korea Institute of Nuclear Safety (hereinafter referred to as the “Institute”) shall submit its budget request for contributions for the following year to the Nuclear Safety and Security Commission under Article 3 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission (hereinafter referred to as the “Commission”) by April 30 of each year by attaching the following documents:
1. Business plan and plan for revenues and expenditures for the following year;
2. Estimated balance sheet and income statement for the following year;
3. Other documents necessary for the clarification of the details of the budget request for contributions.

Article 3 (Notification of Decision on Contribution Budget)

Upon determining the contribution budget to be paid to the Institute pursuant to Article 14 of the Korea Institute of Nuclear Safety Act (hereinafter referred to as the “Act”), the Commission shall notify the Institute thereof.

Article 4 (Payment of Contributions)
If the Institute intends to receive contributions, it shall submit an application requesting contribution payments by attaching the quarterly implementation plan to the Commission.

**Article 5** (Handling of Surplus Funds)

Where any surplus funds exist as a result of settling the accounts of each business year, the Institute shall use such funds to cover any loss carried forward from the previous year and carry any remainder forward to the following year.

**Article 6** (Submission of Business Plans and Budget)

(1) In accordance with Article 17 of the Act, the Institute shall submit the business plan and budget for the following year to the Commission before the start of each business year.

(2) Separately expressed in the business plan under paragraph (1) shall be the objectives to achieve, implementation methods, main contents and budget requirement for the relevant business.

(3) If the Institute intends to alter main contents of the business plan under paragraph (1), it shall submit in advance to the Commission a business plan that clearly states the matters to be altered and the reasons therefor.

**Article 7** (Submission of Closing Statements)

In accordance with Article 18 of the Act, the Institute shall submit to the Commission the closing statements of revenues and expenditures for each business year by attaching the following documents: <Amended by Presidential Decree No. 23237, Oct. 25, 2011>  
1. Financial statements (including the statement of opinion of the financial auditor under Article 18 (2) of the Act) and documents attached thereto;  
2. Other documents necessary for the clarification of the details of the settlement of accounts.
ADDENDA <Presidential Decree No. 12963, Mar. 31, 1990>

Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

Article 2 (Revision of other Acts and Subordinate Statutes)

(1) A portion of the Enforcement Decree of the Atomic Energy Act shall be revised as follows:
   Subparagraph 1 of Article 303 shall be revised as follows:
   1. The Korea Institute of Nuclear Safety established in accordance with the Korea Institute of Nuclear Safety Act
   In Articles 304 (1) and 323 (1), "Korea Energy Research Institute" shall be revised to "Korea Institute of Nuclear Safety."
(2) A portion of the Enforcement Decree of the Support of Specific Research Institutes Act shall be revised as follows:
   Subparagraph 11 of Article 3 shall move to subparagraph 12, and subparagraph 11 shall be established as follows:
   11. The Korea Institute of Nuclear Safety
(3) A portion of the Enforcement Decree of the Framework Act on Civil Defense shall be revised as follows:
   Subparagraphs 22 and 23 of Article 13 shall move to subparagraphs 23 and 24, respectively, and subparagraph 22 of the said Article shall be created as follows:
   22. President of the Korea Institute of Nuclear Safety

ADDENDA <Presidential Decree No. 20740, Feb. 29, 2008>
(Organization Regulations Regarding the Ministry of Education, Science and Technology and Its Affiliated Agencies)

Article 1 (Enforcement Date)

This Decree shall enter into force on the date of its promulgation.

Articles 2 through 6 Omitted.

Article 7 (Revision of other Acts and Subordinate Statutes)

(1) through <101> Omitted.
<102> A portion of the Enforcement Decree of the Korea Institute of Nuclear Safety shall be revised as follows:
In the part other than the subparagraphs of Article 2, Articles 3, 4 and 7 (1) and (3), and the part other than the subparagraphs of Article 8, “Minister of Science and Technology” shall be revised to “Minister of Education, Science and Technology.”

**ADDENDUM** <Presidential Decree No. 21550, Jun. 25, 2009>

This Decree shall enter into force on the date of its promulgation: Provided, That the amended provisions of Article 7 shall apply to settlement of accounts from fiscal year 2010.

**ADDENDA** <Presidential Decree No. 23237, Oct. 25, 2011>  
(Organization Regulations Regarding the Nuclear Safety and Security Commission)

**Article 1** (Enforcement Date)

This Decree shall enter into force on October 26, 2011.

**Article 2** Omitted.

**Article 3** (Revision of other Acts and Subordinate Statutes)

(1) through (3) Omitted.

(4) A portion of the Enforcement Decree of the Korea Institute of Nuclear Safety shall be revised as follows: In the part other than the subparagraphs of Article 2, “Minister of Education, Science and Technology” shall be revised to “Nuclear Safety and Security Commission under Article 3 of the Act on the Establishment and Operation of the Nuclear Safety and Security Commission (hereinafter referred to as the “Commission”).”

In Article 3, “Minister of Education, Science and Technology” shall be revised to “Commission.”

In Articles 4 and 6 (1) and (3), and in the part other than the subparagraphs of Article 7, “Minister of Education, Science and Technology” shall be revised to “Commission.”
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