

## Radiation Hazards Prevention Program at XXX of Kyoto University

### (Purpose)

Article 1. This Program (hereinafter referred to as "the Program") aims to prevent radiation hazards and to ensure safety on and off campus by prescribing the ways of handling and use of Radioisotopes, Contaminated Objects, and Radiation Generating Apparatuses (as defined below) at XXX of Kyoto University (hereinafter referred to as "the Concerned Establishment"), according to the Act on the Regulation of Radioisotopes, etc. (enacted in 1957, volume 167; hereinafter referred to as "the Act").

### (Definitions)

Article 2. In the Program, the following terms shall have the meanings specified below:

- (1) Radioisotopes: Defined in Article 2.2 of the Act.
- (2) Activated Materials: Materials that are contaminated by radioactive isotopes that are generated by a Radiation Generating Apparatus.
- (3) Contaminated Objects: Objects that are contaminated by Radioisotopes excluding Activated Materials.
- (4) Radioisotopes, etc.: Radioisotopes and Contaminated Objects.
- (5) Radiation Generating Apparatus: Defined in Article 2.5 of the Act.
- (6) X-ray Generator-Related Apparatus: Defined in item 5 of Article 2 of the Regulations Regarding Control of Radioisotopes, etc. at Kyoto University (established based on Notification 50, 2019, hereinafter referred to as "the Regulations").
- (7) Establishment: Any establishment approved to use Radioisotopes according to Article 3.1 of the Act or has submitted a notification for the use of Radioisotopes according to Article 3-2.1 of the Act.
- (8) Handling and Other Operations: Handling, managing, or performing other tasks involving Radioisotopes, etc. or Radiation Generating Apparatuses.
- (9) University Registered Radiation Handler: A faculty member or student of Kyoto University who is registered as a person authorized to perform Handling and Other Operations by the Director of the Agency for Health, Safety and Environment, Kyoto University (hereinafter referred to as "the Agency").
- (10) Non-University Registered Radiation Handler: A person who is not a faculty, staff member, or student of Kyoto University and is registered as a person authorized to perform Radiation Handling and Other Operations by the Director of the Agency

(hereinafter referred to as "the Director").

- (11) Registered Radiation Handler: University Registered Radiation Handler or Non-University Registered Radiation Handler.
- (12) Radiation Worker: A person who is permitted to perform Radiation Handling and Other Operations at the Concerned Establishment.
- (13) Usage Facility: A facility where Radioisotopes or a Radiation Generating Apparatus is used.
- (14) Storage Facility: A facility where Radioisotopes are stored.
- (15) Disposal Facility: A facility where Radioisotopes, etc. are disposed of.
- (16) Radiation Facility: Usage Facility, Storage Facility, or Disposal Facility.
- (17) Controlled Area: Defined in item 1 of Article 1 of the Ordinance for Enforcement of the Act on the Regulation of Radioisotopes, etc. (originally enacted in 1960, volume 56; hereinafter referred to as "the Ordinance").
- (18) Usage Area: Any area within an Establishment other than Controlled Areas, in which unsealed Radioisotopes having a quantity equal to or less than the minimum quantity specified in the Cabinet Order for Enforcement of the Act on the Regulation of Radioisotopes, etc. (originally enacted in 1960, vol. 259) are handled or managed (this quantity is hereinafter referred to as "the Minimum Quantity").

(Organization)

Article 3. The organization shown in the attached Figure shall be responsible for controlling safety at the Concerned Establishment.

2. The Head of XXX shall supervise the safety control at the Concerned Establishment.

(Facility Director)

Article 4. A Facility Director shall be appointed for the Radiation Facility of the Concerned Establishment.

2. The Facility Director shall be appointed by the Head of XXX from faculty members of Kyoto University.

(Radiation Protection Supervisor and Proxy)

Article 5. The Head of XXX shall appoint one or more radiation protection supervisors for the Concerned Establishment according to Article 34.1 of the Act (hereinafter referred to as the "Supervisor"). The Supervisor shall oversee the preventative measures against radiation hazards at the Concerned Establishment due to Radioisotopes, etc. or a Radiation Generating Apparatus.

2. The Head of XXX shall, according to the provisions of Article 36-2.1 of the Act, have the Supervisor prescribed in the preceding paragraph receive the radiation protection supervisor periodic training in the period prescribed in the Guidelines on Radiation Control (established by the Director on July 25, 2019, hereinafter referred to as "the Guidelines").
3. The Head of XXX shall, according to Article 37.1 of the Act, appoint one or more proxies for the Concerned Establishment who shall serve on behalf of the Supervisor for any period during which the Supervisor cannot perform their duties due to travel, disease, accident, or other reasons (hereinafter referred to as the "Proxy").
4. The Proxy shall not serve concurrently as the Supervisor.
5. The Head of XXX shall, when appointing two or more Supervisors or Proxies, set the duties of each of them in the Implementing Rules for this Program (hereinafter referred to as "the Internal Rules").
6. The Head of XXX shall report to the Agency when 1) having appointed or dismissed a Supervisor or Proxy or 2) knowing that a Proxy is going to represent the Supervisor for more than 30 days.
7. The Head of XXX shall be responsible for the appointment and dismissal of Supervisors and Proxies.
8. The processes to appoint and dismiss Supervisors and Proxies shall be set in the Internal Rules.

(Duties of Supervisors and Proxies and Respect for Their Opinions)

Article 6. The Director shall set the duties of the Supervisor in the Guidelines.

2. The Proxy shall perform the Supervisor's duties during any period in which the Supervisor cannot perform their duties.
3. The Head of XXX shall respect the Supervisor's opinions regarding prevention of radiation hazards.
4. The Supervisor may request the Head of XXX to hold a meeting of the Radiation Hazard Prevention Committee as stated in Article 8.

(Radiation Administrator)

Article 7. The Head of XXX shall appoint one or more radiation administrators (hereinafter referred to as the "Administrator") who perform administrative tasks related to the prevention of radiation hazards at the Concerned Establishment.

2. The Director shall set the duties of the Administrator in the Guidelines.
3. The Administrator shall not serve concurrently as the Supervisor.

(The Radiation Hazard Prevention Committee)

Article 8. The Head of XXX shall set up a Radiation Hazard Prevention Committee that investigates and examines issues on the prevention of radiation hazards at the Concerned Establishment (hereinafter referred to as "the Committee").

2. The Committee shall be composed of the following members:
  - (1) The Head of XXX
  - (2) The Supervisor
  - (3) The Proxy
  - (4) The Facility Director
  - (5) The Administrator
  - (6) Other persons deemed necessary by the Head of XXX
3. The Committee shall have a Chair. The Committee member prescribed in item 1 of the preceding paragraph shall be the Chair.
4. The Committee shall coordinate with the Agency in the prevention of radiation hazards at the Concerned Establishment as needed and shall ask for advice or direction from the Agency, when necessary.
5. In addition to those listed in the preceding paragraphs, items that are necessary for the Committee shall be set in the Internal Rules.

(Education and Training)

Article 9. Any person planning to perform Handling and Other Operations at the Concerned Establishment for the first time shall receive training with the content and the number of hours prescribed as follows:

- (1) The radiation effects on human bodies: 30 min
  - (2) Fundamentals for ensuring safe handling of radiation: 1 hour
  - (3) Safe handling of sealed Radioisotopes: 30 min
  - (4) Safe handling of unsealed Radioisotopes: 30 min
  - (5) Safe handling of a Radiation Generating Apparatus and an X-ray Generator-Related Apparatus: 30 min
  - (6) Examples of past radiation accidents: 30 min
  - (7) Relevant laws and regulations, the Program, and the Internal Rules: 30 min
2. The Facility Director shall be responsible for the education and training stated in the preceding paragraph.
  3. For Registered Radiation Handlers, training on 1) the content stated in items 1 to 6 of paragraph 1; 2) the applicable laws and regulations stated in item 7 of paragraph 1;

and 3) the Program shall be provided in the training mandated by paragraph 1 of Article 11 of the Regulations.

4. Conditions under which some subject of the mandated education and training on the content stated in paragraph 1 can be exempted shall be set in the Internal Rules.

(Re-education and training)

Article 10. Radiation Workers who perform Handling and Other Operations at the Concerned Establishment shall receive re-education and training within a year from the start date (April 1st) of the subsequent fiscal year of the last training.

2. The content and hours of the re-education and training shall be set as follows:
  - (1) The radiation effects on human bodies: 15 min
  - (2) Safe handling of sealed Radioisotopes, unsealed Radioisotopes, a Radiation Generating Apparatus, and an X-ray Generator-Related Apparatus, and past examples of radiation accidents: 30 min
  - (3) Relevant laws and regulations, the Program, and the Internal Rules: 15 min
3. The Facility Director shall be responsible for the re-education and training.
4. For Registered Radiation Handlers, the re-education and training on the content stated in every item of paragraph 2, excluding the Internal Rules stated in item 3, shall be provided in the post-registration training mandated by paragraph 1 of Article 12 of the Regulations.
5. Conditions under which some subject of the mandated re-education and training regarding the content listed in paragraph 2 can be exempted shall be set in the Internal Rules.

(Medical Examinations)

Article 11. Any person planning to perform Handling and Other Operations at the Concerned Establishment for the first time shall receive a pre-handling medical examination.

2. Any Radiation Worker who performs Handling and Other Operations at the Concerned Establishment shall receive a regular medical examination once every six months, beginning April 1st and October 1st every year.
3. The Director shall stipulate items to be checked in the pre-handling and regular medical examinations in the Guidelines.
4. The Facility Director shall be responsible for the pre-handling and regular medical examinations.
5. Persons who have previously received a pre-handling medical examination and those

who have received a medical examination with the same check items as the pre-handling medical examination mandated in the Guidelines, and who have submitted a copy of the examination results shall be deemed to have received the pre-handling medical examination stated in paragraph 1 subject to confirmation by an industrial physician.

6. Persons who have received a medical examination with the same check items as the regular medical examination mandated in the Guidelines in the period prescribed in paragraph 2 and who have submitted a copy of the examination results shall be deemed to have received the pre-handling medical examination stated in paragraph 2.

(Special Medical Examinations)

Article 12. When someone falls under one of the conditions prescribed by the Director in the Guidelines at any site within the Concerned Establishment, the Head of XXX shall have the person receive a medical examination without delay.

2. The Head of XXX shall be responsible for the medical examination stated in the preceding paragraph (hereinafter referred to as the "Special Medical Examination").
3. The items to be checked in the Special Medical Examination shall be determined by the doctor who performs the diagnosis.
4. The Head of XXX shall report the results of Special Medical Examinations to the Director.
5. The Head of XXX shall, in accordance with the Director's directions, take the necessary measures for ensuring the health of the Radiation Workers, who received the Special Medical Examinations, as follows:
  - (1) To reduce their working hours
  - (2) To prohibit their entrance to any Controlled Areas
  - (3) To transfer them to a position with less risk of exposure
  - (4) Other measures that the Director considers necessary
6. The Head of XXX shall, in accordance with the Director's directions, take the necessary measures for ensuring the health of persons other than Radiation Workers who received the Special Medical Examinations.

(Record of Medical Examinations)

Article 13. The Director shall specify the procedures to record and store the results of the medical examinations stated in the preceding two Articles and the procedure to provide examination results for persons who received examinations in the Guidelines.

(Applications for Engaging in Handling and Other Operations)

Article 14. Any person planning to perform Handling and Other Operations at the Concerned Establishment shall submit an application to the Facility Director using a form designated in the Internal Rules.

2. Any person who is not a faculty, staff member, or student of Kyoto University and is planning to perform Handling and Other Operations at the Concerned Establishment for the first time (excluding Non-University Registered Radiation Handlers) shall submit the following documents in making an application under the preceding paragraph.

(1) A document that shows the content and the number of hours of the education and training that they received before entering any Controlled Area for the first time (if the person received the education and training in or before 2017, a document that shows the fact that they received the education and training).

(2) A document that shows the content and the number of hours of the most recent education and training that they received, for persons who have received the mandated education and training that shall be received within a year from the start date (April 1st) of the subsequent fiscal year of the last education and training.

(3) A copy of results of the most recent medical examination that the person received and that checks items equivalent to the pre-handling medical examination stated in paragraph 1 of Article 11 or regular medical examination stated in paragraph 2 of Article 11.

3. Any person who is not a faculty, staff member, or matriculated student of Kyoto University and had received permission to perform Handling and Other Operations at the Concerned Establishment in the past (excluding Non-University Registered Radiation Handlers) shall submit the following documents in making an application under paragraph 1.

(1) A document that shows the content and the number of hours of any of the following education and training that they most recently received: 1) the education and training that they received within a year from the start date (April 1st) of the subsequent fiscal year of the last education and training; or 2) the education and training that they received before entering any Controlled Area for the first time (if the person received education and training of this type in or before 2017, a document that shows the fact that they received the education and training).

(2) A copy of the results of the most recent medical examination that the person received, having the same check items as the pre-handling medical examination stated in paragraph 1 of Article 11 or the regular medical examination stated in

paragraph 2 of Article 11.

(Pre-Handling Education)

- Article 15. The Facility Director shall provide the persons who made an application stated in paragraph 1 of Article 14 with the education and training on the Internal Rules and on any content that is needed to perform Handling and Other Operations at the Concerned Establishment (hereinafter referred to as "Pre-Handling Education").
2. The Facility Director may, when he or she has found that the applicant who has made an application under the preceding paragraph has any insufficiency in the items or hours of training mandated by paragraph 1 of Article 9 or paragraph 1 of Article 10, provide additional training to the applicant in the Pre-Handling Education.
  3. The content and hours of the Pre-Handling Education shall be designated in the Internal Rules.
  4. The Facility Director shall be responsible for the Pre-Handling Education.

(Permission for Handling and Other Operations)

- Article 16. The Facility Director shall permit any applicant who makes an application under paragraph 1 of Article 14 to perform Handling and Other Operations at the Concerned Establishment only after confirming that 1) the applicant has received the education and training mandated by paragraph 1 of Article 9 or paragraph 1 of Article 10 or any equivalent training; and 2) the applicant has received the medical examination mandated under paragraph 1 or 2 of Article 11 or a medical examination that has the same check items as such mandated examinations.
2. The permission stated in the preceding paragraph shall be effective only during the fiscal year when the permission is issued.
  3. The Administrator shall make a list that contains the following information about persons who are permitted to perform Handling and Other Operations at the Concerned Establishment for each fiscal year: full name, sex, University department that they belong to or are affiliated with or the external institute/organization they belong to, and the date(s) of the Pre-Handling Education that they received, and if applicable, the content of the education and training stated in the preceding two Articles that they received.
  4. The list made under the preceding paragraph shall be stored for five fiscal years beginning on the start date (April 1st) of the subsequent fiscal year of when the permission was granted.



(Entrance to the Controlled Areas by Persons Other than Radiation Workers)

Article 17. Persons who are not Radiation Workers but are approved by a person who is authorized in the Internal Rules, may enter a Controlled Area temporarily when 1) the person repairs or maintains equipment or facilities that are not related to Radioisotopes, etc. or a Radiation Generating Apparatus within the Concerned Establishment; or 2) the person visits and sees the Facility for the purpose of learning (hereinafter referred to as "Temporary Permitted Personnel").

2. The education and training provided for and measurement and recording of exposure for the Temporary Permitted Personnel shall be designated in the Internal Rules.
3. The records taken under the preceding paragraph shall be stored for five fiscal years beginning on the start date (April 1st) of the subsequent fiscal year of the recording.

(Measurement of External Exposure)

Article 18. Measurements of external exposure of Radiation Workers while they are in a Controlled Area shall be conducted with one of the following methods:

- (1) Personal dosimeter provided by the Agency
  - (2) Personal dosimeter provided by the Facility Director
  - (3) Calculation
2. The measurement with the method stated in item 1 of the preceding paragraph shall be conducted by the Agency while the method stated in items 2 and 3 shall be conducted by the Facility Director.
  3. The Facility Director shall be responsible for the measurement stated in paragraph 1 and shall specify the measurement procedure.
  4. The method stated in item 3 of paragraph 1 shall be employed only for cases in which the measurement of external exposure is significantly difficult with the methods stated in items 1 and 2 of paragraph 1.
  5. The results of measurements performed under paragraph 1 shall be confirmed by the Supervisor (if the department to which the Radiation Worker who received the exposure measurement belongs to or affiliates with does not have any Establishment, the Supervisor of the Radioisotope Research Centre).
  6. For the measurements performed under paragraph 1, the following information shall be recorded. When the method stated in item 3 of paragraph 1 is employed, item 3 below shall be excluded.
    - (1) Full name of the Radiation Worker
    - (2) Name of the person who performs the measurement
    - (3) Type and model of personal dosimeter used

- (4) Period for which the dose is measured
  - (5) Measurement method
  - (6) Measured body part
  - (7) Results
7. The Agency shall record the measurement with the method stated in item 1 of paragraph 1.
  8. The Facility Director shall record the measurement with the method stated in items 2 and 3 of paragraph 1.
  9. The Facility Director shall notify the Agency of the records of Registered Radiation Handlers taken under the preceding paragraph.

(Calculation of Internal Exposure)

Article 19. The Facility Director shall calculate the internal exposure dose of Radiation Workers who enter any workroom or other place where there is a risk of inhalation or ingestion of Radioisotopes (hereinafter referred to as "Workroom, etc.") with the calculation method prescribed by the Director in the Guidelines. In such calculations, the atmospheric levels of Radioisotopes in the Workroom, etc. that are measured by the Agency shall be used. Such calculation shall be performed once every three months of which the first term begins on April 1st.

2. Notwithstanding the provision of the preceding paragraph, the Facility Director shall, when a female worker who performs Handling and Other Operations in Workroom, etc. notifies the Facility Director of her pregnancy, calculates her internal exposure dose once a month until her delivery. The calculation of the exposure shall be conducted with a method prescribed by the Director in the Guidelines using measured atmospheric levels of Radioisotopes.
3. The Facility Director shall be responsible for the calculation stated in the preceding two paragraphs.
4. The Supervisor shall confirm the doses calculated under paragraphs 1 and 2.
5. The Facility Director shall record the following information about the Radiation Workers for whom the calculation stated in paragraph 1 or 2 is performed: full name of the Radiation worker, calculation date, and full name of personnel who performed the calculation, and notify such information to the Agency.

(Record of Exposure Measurements and Provision of Measurement Results)

Article 20. For Radiation Workers who are also Registered Radiation Handlers, the Director shall set the procedures for recording and providing the results of the

measurements and calculations stated in the preceding two Articles in the Guidelines.

2. The Facility Director shall calculate the effective dose and the equivalent dose of Radiation Workers who are not Registered Radiation Handlers based on the results of the measurements and calculations performed under the preceding two Articles. The Facility Director shall also record the full name of subject Radiation Workers for whom the calculation was performed, the calculation dates, the full name of personnel who performed the calculation, the period for which the calculation was performed, the calculated effective dose and equivalent dose, and the organization the subject affiliates with.
3. The Facility Director shall, each time a calculation is performed under the preceding paragraph, provide the calculation results and a copy of the recorded results of the measurements and calculations performed under the preceding two Articles to the Radiation Workers who are not Registered Radiation Handlers.
4. The procedures for the provision of records according to the preceding paragraph shall be specified in the Internal Rules.
5. The Facility Director shall store the content of the records provided under the preceding paragraph permanently.

(Creation, Renovation, and Abolition of Radiation Facilities)

Article 21. The Head of XXX shall submit an application to the Agency for approval in advance to submit to the Nuclear Regulation Authority when 1) making any modifications, including creation, renovation and abolishment, of any Radiation Facility at the Concerned Establishment; or 2) making any applications or notifications mandated by applicable laws and regulations such as notification of changes in the quantity of Radioisotopes, etc.

(Maintenance of Radiation Facilities)

Article 22. The Head of XXX shall maintain the location, structure, and equipment of the Radiation Facilities in the Concerned Establishment in accordance with the technical standards mandated by laws and regulations.

2. The Facility Director shall post a sign for the Radiation Facility of the Concerned Establishment as mandated by applicable legal standards.
3. The Facility Director shall provide a cautionary instruction at a visible location at the entrance of any Controlled Area and within the Controlled Area.
4. The locations and content of the cautionary instruction shall be prescribed in the Internal Rules.

(Investigations and Inspections of the Radiation Facility)

Article 23. The Head of XXX shall ensure that the location, structure, and equipment of the Radiation Facility of the Concerned Establishment are regularly inspected for compliance with the technical standards mandated by applicable laws and regulations. The Head of XXX shall also ensure that Radioisotopes, etc. and the Radiation Generating Apparatuses that are owned by the Concerned Establishment are regularly inspected for compliance with the standards on use, storage, and disposal set in applicable laws and regulations.

2. The person who performs the inspections stated in the preceding paragraph (hereinafter referred to as "the Inspector") shall be nominated by the Supervisor and appointed by the Facility Director.
3. The Inspector shall not serve concurrently as the Supervisor.
4. The Director shall mandate the items necessary for the inspections performed under paragraph 1 in the Guidelines.
5. The Inspector shall record the results of the inspections performed under paragraph 1 including the presence of any abnormality.
6. The processes for reporting abnormalities, taking corrective actions against the abnormalities, and recording the measures taken shall be specified in the Internal Rules.
7. The records taken under the preceding two paragraphs shall be confirmed by the Supervisor and then stored at the administrative office of XXX for five fiscal years beginning from the start date (April 1st) of the subsequent fiscal year of the date of taking the record.

(Ad hoc Investigations and Inspections)

Article 24. In addition to those listed in the preceding paragraph, the Committee may conduct an ad hoc inspection by appointing persons to perform such an inspection as it considers necessary.

2. The items to be inspected in the inspection performed under the preceding paragraph shall be mandated by the Chair.
3. The records of inspections conducted under paragraph 1 shall be confirmed by the Supervisor and then stored at the administrative office of XXX for five fiscal years beginning from the start date (April 1st) of the subsequent fiscal year of the date of taking the record.

(Investigations and Inspections by the Agency)

Article 25. The Concerned Establishment shall be investigated and inspected by the Agency.

2. The Director shall specify the timing, method, and items of the investigation or inspection performed under the preceding paragraph in the Guidelines.
3. The Head of XXX shall implement corrective measures as directed by the Agency based on the results of the investigation and inspection as mandated in paragraph 1 promptly. The Head of XXX shall report the outcomes of such measures to the Agency.

(Radiation Control Status Report)

Article 26. The Head of XXX shall, through the Agency, submit a radiation control status report to the Nuclear Regulation Authority (hereinafter referred to as "NRA") by the deadline stipulated by the relevant laws and regulations.

2. The radiation control status report stated in the preceding paragraph shall be prepared by the Administrator and confirmed by the Supervisor.
3. The administrative office of XXX shall store the copy of the radiation control status report submitted according to paragraph 1 for five fiscal years beginning from the start date (April 1st) of the subsequent fiscal year of the report submission.

(Keeping a Logbook)

Article 27. The Facility Director shall be responsible for keeping logbooks that are mandated by the relevant laws and regulations at the Concerned Establishment.

2. The Administrator shall prepare and maintain a logbook that contains information on acceptance, allocation, use, storage, transportation, and disposal of Radioisotopes, etc., and the use of Radiation Generating Apparatuses. The logbook shall be closed on March 31st every year (in the case of abolition of the Establishment, the logbook shall be closed on the date of abolition).
3. Any person who has performed Handling and Other Operations shall record information about their work in the logbook stated in the preceding paragraph according to the items designated by the Internal Rules.
4. The Supervisor shall confirm the information that is added to the logbook under the preceding paragraph.
5. The logbook shall be stored by the administrative office of XXX for five fiscal years beginning on the start date (April 1st) of the subsequent fiscal year of the date of closure of the logbook.

(Measurements of the Quantity of Radiation and the Status of Contamination by Radioisotopes, etc.)

Article 28. The Facility Director shall be responsible for the measurement of the quantity of radiation and the status of contamination by Radioisotopes, etc., at locations within the Concerned Establishment where radiation hazards may occur (hereinafter referred to as "Measurement of Radioactivity and Contamination").

2. The Measurement of Radioactivity and Contamination shall be performed by a person who is appointed by the Head of XXX. The person shall record the measurement results.
3. The measurement methods, locations, method for evaluating the measured results, and items to be recorded for the Measurement of Radioactivity and Contamination shall be specified in the Internal Rules.
4. The Supervisor shall confirm the records of measurement stated in paragraph 2. When finding any contamination, the Supervisor shall give directions to the Administrator to take corrective measures mandated by the Guidelines.
5. Upon receiving the directions stated in the preceding paragraph, the Administrator shall take the required measures and record the taken measures.
6. The records taken under paragraph 2 and the preceding paragraph shall be stored by the administrative office of XXX for five fiscal years beginning from the start date (April 1st) of the subsequent fiscal year of taking the record.

(Person who is Responsible for the Use of Radioisotopes, etc.)

Article 29. The Facility Director shall be responsible for the use of Radioisotopes and a Radiation Generating Apparatus at the Concerned Establishment.

2. The Facility Director shall be responsible for the acceptance and allocation of Radioisotopes, etc. at the Concerned Establishment.
3. The Facility Director shall be responsible for the storage of Radioisotopes at the Concerned Establishment.
4. The Facility Director shall be responsible for the storage and waste management of Radioisotopes, etc. at the Concerned Establishment.
5. The Facility Director shall be responsible for the transportation of Radioisotopes, etc. from the Concerned Establishment for the purpose of allocation.
6. The Facility Director shall be responsible for the management, disposal, and other operation of Activated Materials at the Concerned Establishment.

(Other Items Needed for the Use of Radioisotopes, etc.)

Article 30. Items that are necessary for the use of Radioisotopes and the Radiation Generating Apparatus at the Concerned Establishment shall be specified in the Internal Rules.

2. Items that are necessary for the acceptance and allocation of Radioisotopes, etc. at the Concerned Establishment shall be specified in the Internal Rules.
3. Items that are necessary for the storage of Radioisotopes at the Concerned Establishment shall be specified in the Internal Rules.
4. Items that are necessary for the storage and waste management of Radioisotopes, etc. at the Concerned Establishment shall be specified in the Internal Rules.
5. Items that are necessary for the transportation of Radioisotopes, etc. from the Concerned Establishment for the purpose of allocation shall be specified in the Internal Rules.
6. Items that are necessary for the management, disposal, and other operation of Activated Materials at the Concerned Establishment shall be specified in the Internal Rules.
7. The method for determining the quantity of unsealed Radioisotopes not exceeding the Minimum Quantity and other items that are necessary for handling such Radioisotopes at the Concerned Establishment shall be designated in the Internal Rules.

(Compliance)

Article 31. Radiation Workers shall observe directions provided by the Supervisor and the Administrator and comply with provisions of the Internal Rules.

(Disposal of Radioisotopes, etc. through Drainage Facilities)

Article 32. The Facility Director shall be responsible for the disposal of Radioisotopes, etc. through Drainage Facilities of the Concerned Establishment.

2. Items that are necessary for disposing Radioisotopes, etc. through a Drainage Facility, such as the timing and procedures for discharging wastewater through a Drainage Facility, the method for measuring the level of Radioisotopes in wastewater, the criteria for judging whether wastewater can be diluted or discharged, the method for diluting and discharging wastewater, and the method for recording the results of the measurement and judgement, shall be set in the Internal Rules.

(Disposal of Radioisotopes, etc. through Exhaust Facilities)

Article 33. The Facility Director shall be responsible for the disposal of Radioisotopes,

etc. through Exhaust Facilities of the Concerned Establishment.

2. Items that are necessary for disposing Radioisotopes, etc. through an Exhaust Facility, such as the method for measuring the level of Radioisotopes in exhaust gas, the method for confirming that the level of Radioisotopes is below the mandated thresholds, the method for recording the results of the measurement and confirmation, and the method for maintaining Exhaust Facilities shall be set in the Internal Rules.

(Measures to be taken in Cases of Accident or Disaster)

Article 34. In case of any radiation hazard or risk of occurrence at the Concerned Establishment due to 1) a theft, loss, or other incidents of Radioisotopes, etc. or a Radiation Generating Apparatus; or 2) earthquake, fire, or other disasters, the following information shall be provided.

- (1) Date and location of the accident
- (2) Impact of the contamination on sites outside of the Concerned Establishment
- (3) Property and amount of Radioisotopes, etc. that are handled at the accident site
- (4) Details of first aid provided
- (5) Results of radiation measurement of amount of radiation with a radiation measuring apparatus.
- (6) Cause of the accident

2. In case of any radiation hazard or risk of occurrence at the Concerned Establishment due to 1) a theft, loss, or other incidents of Radioisotopes, etc. or a Radiation Generating Apparatus; or 2) earthquake, fire, or other disasters, the notification, countermeasures, response system, information sharing, and other operations shall comply with, in addition to items listed in the preceding paragraph, the Kyoto University Risk Management Regulations (established based on Notification 64, 2011).

(Report)

Article 35. When any theft or loss of Radioisotopes or any other accidental event that is set in the Internal Rules occurs, the Head of XXX shall report to the NRA on the fact of the occurrence of the event immediately after the event occurs, and the current situation, and countermeasures for the situation within 10 days of the event.

2. The Head of XXX shall report to the Director and observe the Director's directions when 1) they have completed the report under the preceding paragraph, or 2) any person has breached or is at significant risk of breaching applicable laws or regulations or the Program.



(Improvement of Operations)

Article 36. The Head of XXX shall continuously improve the operations for the prevention of radiation hazards at the Concerned Establishment based on the results of investigations and inspections performed under Articles 23 to 25.

2. The Head of XXX shall, in improving operations under the preceding paragraph, assess the current efforts in radiation hazard prevention at the Concerned Establishment and set the procedures for improving the operation in the Internal Rules, while taking the current practice of the Concerned Establishment, past cases of accidents and failures, and the latest insights into account.
3. The improvements achieved under paragraph 1 shall be evaluated by the Committee and the details of the corrective measures shall be recorded by the administrative office of XXX.

(Special Conditions for Those Who Enter Controlled Areas to Maintain Radiation Generating Apparatus)

Article 37. The Head of XXX shall, when applying the provisions of Article 22-3.1 of the Ordinance to the Concerned Establishment, prescribe necessary items in the Internal Rules in advance.

(Supplementary Provisions)

The Program shall be effective on August 1st, 2019.

(Supplementary Provisions)

The Program shall be effective on September 1st, 2019.