●Special Education Rules for Works Involved in (Nuclear) Accident-Derived Waste Disposal
(Ministry of Health, Labour and Welfare Notification No. 140, 2013)

(Implementation of special education)
Article 1. The special education pursuant to the provision of Item 1, Article 52-8 of the Ordinance on Prevention of Ionizing Radiation Hazards (hereinafter referred to as the “Ionizing Radiation Ordinance”) shall be provided in the forms of lectures and practical training.

(Lectures)
Article 2. Lectures prescribed in the preceding Article shall cover the scope of education described in the middle column of the following table according to each subject listed in the left column, for the minimum period specified in the right column.

Subject	Scope	Duration
Knowledge of the accident-derived wastes	Types and properties of accident-derived wastes	30 minutes
Knowledge of methods for disposing accident-derived wastes	The following topics shall be covered for workers engaged in crushing, sorting, and compressing (hereinafter referred to as "Crushing and other work") accident-derived wastes: radiation controlled areas; methods and procedures for crushing, transporting, and storing of accident-derived wastes; methods and procedures for maintaining and inspecting the equipment contaminated with accident-derived wastes; methods for measuring radiation; methods for monitoring dose equivalent rate from external radiation or the concentration of radioactive materials in the air; methods for inspecting contaminated ceiling surfaces, floors, walls, and equipment; the decontamination methods and procedures; methods for inspecting and decontaminating bodies; performance and usage of protective equipment; and emergency response actions in case of an abnormal event	1.5 hours
	The following topics shall be covered for workers engaged in incineration of accident-derived wastes: radiation controlled areas; methods and procedures for incinerating wastes; transportation and storage of accident-derived wastes; methods and procedures for maintaining and inspecting the equipment contaminated with accident-derived wastes; methods for measuring	1.5 hours

	radiation; methods for monitoring dose equivalent rate from external radiation or the concentration of radioactive materials in the air; methods for inspecting and decontaminating the contaminated ceiling surfaces, floors, walls, and equipment; methods for inspection and decontamination of bodies; performance and usage of protective equipment; and emergency response actions in case of an abnormal event	
	The following topics shall be covered for workers engaged in landfill of accident-derived wastes: radiation controlled areas; methods and procedures for transportation, storage, and the landfill of accident-derived wastes; methods and procedures for maintaining and inspecting the equipment contaminated with accident-derived wastes; methods for measuring radiation; methods for monitoring the dose equivalent rate from external radiation or the concentration of radioactive materials in the air; methods for inspecting and decontaminating the contaminated ceiling surfaces, floors, walls, and equipment; methods for inspecting and decontaminating contaminated bodies; performance and usage of protective equipment; and emergency response actions in case of an abnormal event	1.5 hours
Knowledge concerning structure and operation of the equipment used for handling accident-derived waste disposal	The following topics shall be covered for workers engaged in crushing accident-derived wastes and other related work: structure and handling of crushing equipment, how to use equipment used for managing accident-derived wastes and other equipment.	1 hour
	The following topics shall be covered for workers engaged in incineration of accident-derived wastes: structure and handling of incinerators and other equipment.	1 hour
	The following topics shall be covered for workers engaged in landfill of accident-derived wastes: structure and management of waste collection and drainage systems, leak sealing work and structure and handling of other equipment.	1 hour
Knowledge concerning the impact of ionizing radiation on organisms and the exposure dose control methods	Types and properties of ionizing radiation; the impact of ionizing radiation on cells, tissues, organs, and entire living organisms; methods for measuring radiation exposure limit and radiation exposure dose; and methods for checking and recording the radiation exposure dose measurement results.	1 hour

Relevant laws and regulations	Industrial Safety and Health Act (Act No.57, 1972), Enforcement Order of the Industrial Safety and Health Act (Government ordinance No. 318, 1972), Industrial Safety and Health Regulations (Ministerial ordinance No. 32 by the Ministry of Labour, 1972), and the related Articles in the Ionizing Radiation Ordinance.	1 hour

(Practical training)

Article 3.The practical training prescribed in the Article 1 shall cover the scope of education described in the middle column of the following table according to each subject listed in the left column, for the minimum period specified in the right column.

Subject	Scope	Duration
Methods for works involved in accident-derived waste disposal and management of the equipment used for the works	The following shall be covered for workers engaged in crushing accident-derived wastes and other related work: procedure for entering and exiting from the radiation controlled area; works for crushing, transporting, and storing accident-derived wastes; works for maintaining and inspecting equipment contaminated with accident-derived wastes; handling radiation measurement instruments; monitoring dose equivalent rate from external radiation or the concentration of radioactive materials in the air; inspecting and decontaminating contaminated ceiling surfaces, floors, walls, and equipment; inspecting and decontaminating the contaminated bodies and handling of protective equipment; handling of crushing equipment and equipment used in accident-derived waste management facilities and other equipment; and emergency response actions in case of an abnormal event.	2 hours
	The following topics shall be covered for workers engaged in incineration of accident-derived wastes: procedures for entering and exiting from the radiation controlled area; methods for incinerating, transporting, and storing of accident-derived wastes; maintenance and inspection of the equipment contaminated with accident-derived wastes; handling of radiation measurement instruments; monitoring of dose equivalent	2 hours

	rate from external radiation or the concentration of radioactive materials in the air; inspection and decontamination of the contaminated ceiling surfaces, floors, walls, and equipment; inspection and decontamination of the contaminated bodies; handling of protective equipment; handling incinerator and other equipment; and emergency response actions in case of an abnormal event	
	The following topics shall be covered for workers engaged in landfill of accident-derived wastes: procedures for entering and exiting from radiation controlled area; methods for transporting , storing, and landfilling of accident-derived wastes; methods for maintenance and inspection of the equipment contaminated with accident-derived wastes; handling radiation measurement instruments ;monitoring dose equivalent rate from external radiation or the concentration of the radioactive materials in the air; inspection and removal of the contaminated surfaces of ceilings, floors, walls, and equipment; inspection and removal of the contaminated bodies; handling of protective equipment; management of waste collection and drainage system; leak sealing work and structure and handling of other equipment; and emergency response actions in case of an abnormal event	2 hours