

Note on works associated with infrastructure restoration

Whether it is before or after the revision of the evacuation-directed area, those who work in the current evacuation-directed area or new evacuation-directed area and conduct, as business, works for handling designated contaminated soil and wastesⁱ or works under a designated dose rateⁱⁱ need to follow the provisions specified in the Ordinance on Prevention of Ionizing Radiation Hazards at Works to Decontaminate Soil and Wastes Contaminated by Radioactive Materials Resulting from the Great East Japan Earthquake and Related Works (the Ministry of Health, Labour and Welfare Ordinance No. 152 of 2011; referred to as the “Ionizing Radiation Ordinance for Decontamination”) revised on 1 July 2012 and implement the items specified in the Guidelines on prevention on radiation hazards for workers engaged in decontamination works (Labour Standards Bureau Notification No. 1222-6 of 22 December 2011; revised on 15 June 2012; referred to as “guidelines on decontamination and related works”) and Guidelines on prevention of radiation hazards for workers engaged in works under a designated dose rate (Labour Standards Bureau Notification No. 0615-6 of 15 June 2012; referred to as “guidelines on works under a designated dose rate”), collectively showing provisions specified in the Ionizing Radiation Ordinance for Decontamination and regulations associated with the Industrial Safety and Health Act.

- (i) “Works for handling designated contaminated soil and wastes” are the works for handling contaminated soil, etc. (soil, fallen leaves and branches, and sludge, etc. deposited in water channels, etc. contaminated by radioactive materials discharged in the accident) whose concentration of radioactive cesium specified in Item 3 of Paragraph 7 from Article 2 of Ionizing Radiation Ordinance for Decontamination exceeds 10,000 Bq/kg. Works handling contaminated soil, etc. include not only earthworks (preparation, drilling, conveying, piling up of soil, compaction, ground leveling, ground forming, and slope protection), foundation works, temporary works, road construction, construction for water and sewer services, construction for irrigation and drainage, and civil engineering works for field development during life infrastructure restoration works, but also plowing, weeding, digging up of soil, and other works handling soil, etc. during farming and forest management works, as well as fertilization (mixing in soil), rice planting, raising seedlings, and other works handling soil, etc. to harvest root vegetables and others. However, temporary works of finishing these works in a short period of time are not included.
- (ii) “Works under a designated dose rate” are the works in the areas where the average ambient dose rate, specified in paragraph 8 of Article 2 from the Ionizing Radiation Ordinance for Decontamination exceeds 2.5 μ Sv/h (except works for decontaminating soil, etc., works for collecting wastes, etc., and works for handling designated contaminated soil and wastes) and includes works of survey, measurement, examination, etc. Automobile-driving works and related handling works are designated as “works under a designated dose rate” only if (1) the destination of carrying-in and carrying-out things (except carrying-in/out works related to a life infrastructure restoration work) is a place where the average ambient dose rate exceeds 2.5 μ Sv/h and workers are engaged in works which are expected to require staying for 40 hours or more per month in a place where the average ambient dose rate exceeds 2.5 μ Sv/h or if (2) workers are engaged in works of transporting things (construction machines,

construction materials, soil, sand, etc.) necessary for a life infrastructure restoration work in a place where the average ambient dose rate exceeds $2.5 \mu\text{Sv/h}$. Works which require workers to simply pass through a place where the average ambient dose rate exceeds $2.5 \mu\text{Sv/h}$ are not “works under a designated dose rate.”

- (iii) In the case of conducting works for handling designated contaminated soil and wastes or works under a designated dose rate, workers are obliged to make exposure dose measurement, recording, etc. designated in the Ionizing Radiation Ordinance for Decontamination. For details, see the Guidelines on Decontamination and Related Works or the Guidelines on Works under a Designated Dose Rate.