

Target for Radiation Dose Control and its Methods

① For workers engaged in decontamination work as paid, full-time positions, the total combined doses of (A) and (B) should be controlled to the extent that does not exceed the occupational radiation dose limit (*3) ② Volunteers should work in areas outside of deliberate evacuation and restricted areas less than a few dozen times a year (effective dose received should be well below 1mSv/y. Any work with an effective dose exceeding this level is deemed as a full-time, occupation.)

Matters specified in the guidelines

Volunteers, residents, farmers, individual proprietors, local workers who decontaminate their own offices

Only workers handling decontamination as their occupations (Items in the Ordinance)

Ambient dose rate (μSv/h)

2.5 μSv/h (based on work hours of 40 hours/week, and 52 weeks/y)

Mandatory personal radiation dose control (A)
(Effective doses 5 – 50 mSv/y)

1. Measurement of external exposure dose by personal dosimeter
2. Measurement of internal exposure dose depending on the level of dust generated and radioactivity concentration of the soil

*Expected to take place roughly within the deliberate evacuation and restricted areas
(The radiation dose for the demarcation lines of the deliberate evacuation area is 3.6 μSv/h (20 mSv/y based on 24 hours/day). However, according to the recent monitoring by the MEXT, the radiation dose rate has been significantly reduced to 2.5μSv/h or less.)

No need for radiation dose control
(Effective dose during work significantly less than 1 mSv/y) (max. 0.6 mSv when working 8 hours/day for every 30 days exposed to 2.5μSv/h)

Simplified Dose Control (B)
(Effective dose approx. 1-5mSv/y during the work)

(max. of 5 mSv based on working hours of 40 hours/day, 52 weeks/y)

- Dose control is mandatory but by a simplified method
(i.e.) **no need to use personal dosimeters, but representative measurements or evaluation from ambient dose rate is allowed.**

(*1) Decontamination work means work that involves handling of highly radioactive contaminated soil and wastes

(*2) Effective dose is limited to exposure dose received during work hours managed by employers (occupational exposure)

(*3) The ICRP limit for the occupation radiation exposure (50mSv/y, 100mSv/5 years) is applied.

0.23μSv/h
(1mSv/y based on 24 hours/day)

A few dozens of times (days)
Volunteers should work within this range. (If exceeding this range, work is deemed as a full-time decontamination related works.)

Frequency of work (times (days))