

Research Note

Efficient Air Dose Rate Measurement in Temporary Storage Sites after the Storage of Removed Soil, etc.

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● **Summary** ● Removed soil, etc. generated from the decontamination work in Fukushima Prefecture has been stored in temporary storage sites (TSSs). After all the removed soil, etc. in the TSSs was transported to the Interim Storage Facility, each TSS was essentially restored to its original state based on the land used before the storage. During the restoration, we confirmed that there was no additional contamination by the storage through the measurement of the air dose rate in the TSS. Though measurement points were selected according to the guideline published by the National Government, sparse measurement reduced the possibility of the detection of contamination, especially in large TSSs. On the other hand, an increase in the measurement points must take more time and cost. We measured the air dose rate through two methods: fixed-point measurement according to the guideline, and walk survey, in three TSSs in the Intensive Contamination Survey Area in Fukushima Prefecture. We investigated additional contamination in the TSSs and compared the validity and efficiency between the two methods. In all TSSs, clear contamination due to storage of the removed soil, etc. was not confirmed. The walk survey would be an effective measurement option for the detection of contamination because it would take shorter times to measure the entire storage areas in TSSs and would be easily visualized on the maps and aerial photographs.

Key Words: temporary storage sites, restoration, previous temporary storage sites, walking survey

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