

Original

Verification Test for Developing Decontamination Plan Using Panorama Measurement with Gamma Camera

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Summary

Panorama Measurement with Gamma Camera has been developed to support efficient decontamination of radioactive material spread by the accident of Fukushima Dai-ichi Nuclear Power Plant. The decontamination plan using Panorama Measurement will provide efficient decontamination. In order to confirm its usability, verification test has been performed. Panorama Measurement was performed before decontamination and extracted areas which have a huge effect on air dose rate. "Selected decontamination" which decontaminates only extracted areas with less man-hour showed almost same effect of decreasing of air dose rate as "Whole area decontamination". It was confirmed that decontamination plan using Panorama Measurement was useful for efficient decontamination.

Key Words: Gamma camera, Panorama measurement, Decontamination plan, Air dose rate
