

Measurement of Cs-137 in atmospheric aerosols in Fukushima prefecture and the surrounding area

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A large amount of radioactive materials were released in the environment by the accident at the Fukushima Daiichi Nuclear Power Station. We have been collecting air-dust using high volume air sampler at Fukushima city (Fukushima Pref.), Marumori town (Miyagi Pref.) and Hitachi city (Ibaraki Pref.) since the accident. We identified the radioactivities of ¹³⁴Cs and ¹³⁷Cs in filters using HPGe detector. We will discuss time variations of radioactive cesium concentration.

Keywords: Atmospheric observation, Air dust, Radioactivity Measurement, Cs-137 concentration