

Result of Pu nuclide analysis in the soil Fukushima Daiichi Nuclear Power Station

1. Measurement Result:

(Data summarized on June 3)
(Unit: Bq/kg·dry soil)

Place of Sampling The Distance from Unit 1-2 Stacks in parentheses.	Date	Pu-238	Pu-239+Pu-240
(1) Ground (WNW approx. 500m)* ¹	Nov 11, 2013	N.D [1.7×10 ⁻²]	N.D [1.8×10 ⁻²]
(2) Yachounomori (W approx. 500m)* ¹		N.D [1.6×10 ⁻²]	(8.6±1.3)×10 ⁻²
(3) Around industrial waste treatment facility (SSW approx.		(2.7±0.81)×10 ⁻²	N.D [2.4×10 ⁻²]
Domestic soil (1978 – 2008)* ²		N.D. ~ 1.5×10 ⁻¹	N.D. ~ 4.5

[] shows below the detection limit.

*1 Sampling was conducted in the area adjacent to the past sampling location to avoid duplication.

*2 Source: "Environmental Radiation Database"

(Ministry of Education, Culture, Sports, Science and Technology)

2. Analytical Institution: KAKEN Inc.

3. Evaluation:

The densities of Pu-238, Pu-239 and Pu-240 detected on November 11, 2013 are the same level as those of the fallouts observed in Japan after the past atmospheric nuclear tests. However, there is a possibility that the higher densities originate from the accident this time, taking the previous analysis results into consideration.

End