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

1. Measurement Result: (Data summarized on March 28)

(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	Sep 16, 2013	N.D [2.3×10^{-2}]	N.D [2.3×10^{-2}]
(2) Yachounomori (W approx. 500m)*1		N.D [1.5×10^{-2}]	$(3.8\pm0.82)\times10^{-2}$
(3) Around industrial waste treatment facility (SSW approx.		N.D [2.4×10^{-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 September 16 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