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

1. Measurement Result

(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	May 14, 2012	（9.5±1.1）×10^{-1}	（2.3±0.43）×10^{-1}
(2) Yachounomori (W approx. 500m) *1		（2.1±0.29）×10^{-1}	（1.5±0.23）×10^{-1}
(3) Around industrial waste treatment facility (SSW approx. 500m)*1		N.D. [<9.8×10^{-2}]	N.D. [<8.3×10^{-2}]
Domestic soil (1978 – 2008)*2		N.D.～1.5×10^{-1}	N.D.～4.5

[ ] shows lower 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 May 14 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