Result of Pu nuclide analysis in the Soil Fukushima Daiichi Nuclear Power Station <1/2>

1. Measurement Result: (Data summarized on March 19)

(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 13, 2013	N.D [1.5×10^{-2}]	N.D [1.6×10^{-2}]
(2) Yachounomori (W approx. 500m) *1		N.D [1.2×10^{-2}]	$(3.0\pm0.63)\times10^{-2}$
(3) Around industrial waste treatment facility (SSW approx.		$(2.4\pm0.71)\times10^{-2}$	N.D [2.1×10^{-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 May 13 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

Result of Pu nuclide analysis in the Soil Fukushima Daiichi Nuclear Power Station <2/2>

1. Measurement Result: (Data summarized on March 19)

(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	Jul 15, 2013	N.D [2.3×10^{-2}]	N.D [2.3×10^{-2}]
(2) Yachounomori (W approx. 500m) *1		N.D [2.5×10^{-2}]	N.D [2.7×10^{-2}]
(3) Around industrial waste treatment facility (SSW approx.		N.D [1.8×10^{-2}]	$(5.9\pm1.1)\times10^{-2}$
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 July 15 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