Result of gamma ray nuclide analysis of soil - Fukushima Daiichi Nuclear Power Station

1.Result of measurement: The results of gamma ray nuclide analysis from the samples taken in the power station are as follows.
   Analysis was conducted on all samples on which we conducted plutonium analysis.
2. Evaluation: The result of gamma ray nuclide analysis of soil conducted by Fukushima Prefecture in FY 2009 is shown below.
   Compared to this, higher radioactivity density has been detected.
   <Results of the soil analysis conducted by Fukushima Prefecture in FY 2009>
   Cs-137: ND   21Bq/kg dry soil, Others: ND

(Unit Bq/kg wet soil)

Sampling spot		Fixed point *1 Playground west-northwest approx. 500m *2	Fixed point *1 Forest of wild birds west approx. 500m *2	Fixed point *1 Adjacent to industrial waste disposal facility south-southwest approx. 500m *2
Date of sampling		25 Jul 2011	25 Jul 2011	25 Jul 2011
Analyses Organization		Japan Chemical Analysis Center*3	Japan Chemical Analysis Center*3	Japan Chemical Analysis Center*3
Date of analysis		27 Jul 2011	27 Jul 2011	27 Jul 2011
Nuclide (Half-life)	I-131(approx. 8 days)	ND	ND	ND
	I-132(approx. 2 hours)	ND	ND	ND
	Cs-134(approx. 2 years)	7.3E+05	4.2E+03	8.6E+05
	Cs-136(approx. 13 days)	ND	ND	ND
	Cs-137(approx. 30 years)	7.8E+05	4.6E+03	9.0E+05
	Sb-125(approx. 3 years)	ND	ND	ND
	Te-129m(approx. 34 days)	1.1E+05	ND	1.9E+05
	Te-132(approx. 3 days)	ND	ND	ND
	Ba-140(approx. 13 days)	ND	ND	ND
	Nb-95(approx. 35 days)	ND	ND	ND
	Ru-106(approx. 370 days)	ND	ND	ND
	Mo-99(approx. 66 hours)	ND	ND	ND
	Tc-99m(approx. 6 hours)	ND	ND	ND
	La-140(approx. 2 days)	ND	ND	ND
	Be-7(aapprox. 53 days)	ND	ND	ND
	Ag-110m(approx. 250 days)	2.2E+03	ND	ND

*1 Avoiding duplicates, we collected samples from adjacent area for   Playground and   Adjacent to industrial waste disposal facility.
We collected samples depth direction at same point for   Forest of wild birds.

*2 Distance from the stack of Unit 1, 2

*3 No half life period adjustment before samplyig at Japan Chemical Analysis Center