

Fukushima Daiichi Nuclear Power Plant Nuclide analysis results of gamma rays in the soil

1 . Result of measure Nuclide analysis results of gamma rays in the soil in the power plant are as follows. We analyzed all of the samples in which Pu was analyzed:

2 . Evaluation Nuclide analysis results of gamma rays in the soil measured in 2009 in Fukushima Prefecture are as follows.

Compared with this result, highly concentrated radioactive materials were detected.

< Result of the analysis of the soil by Fukushima Prefecture in 2009 >

Cs-137 : ND ~ 21Bq/kg·Dry soil , Others : ND

(Unit : Bq/kg·Dry soil)

Place of sampling		[Fixed point]*1 Ground (West-northwest approx. 500m)	[Fixed point]*1 Wild birds' forest (West approx. 500m)	[Fixed point]*1 Near the industrial waste disposal facility (South-southwest approx. 500m)
Date of sampling		28-Nov	28-Nov	28-Nov
Analyst		Japan Chemical Analysis Center*3	Japan Chemical Analysis Center*3	Japan Chemical Analysis Center*3
Date of measure		30-Nov	30-Nov	30-Nov
N u c l i d e s	I-131(about 8 days)	ND	ND	ND
	I-132(about 2 hours)	ND	ND	ND
	Cs-134(about 2 years)	5.4E+05	1.3E+03	1.0E+06
	Cs-136(about 13 days)	ND	ND	ND
	Cs-137(about 30 years)	6.3E+05	1.6E+03	1.2E+06
	Sb-125(about 3 years)	ND	ND	ND
	Te-129m(about 34 days)	ND	ND	ND
	Te-132(about 78 hours)	ND	ND	ND
	Ba-140(about 13 days)	ND	ND	ND
	Nb-95(about 35 days)	ND	ND	ND
	Ru-106(about 370 days)	ND	ND	ND
	Mo-99(about 66 hours)	ND	ND	ND
	Tc-99m(about 6 hours)	ND	ND	ND
	La-140(about 40 hours)	ND	ND	ND
	Be-7(about 53 days)	ND	ND	ND
Ag-110m(about 250 days)	ND	ND	ND	

*1 “ Ground”, “Near the industrial waste disposal facility”: Collected at adjoining sites in order to avoid overlap with the past samplings.

“ Wild birds' forest”: Collected vertically at each site (collection continued at one site unless no more sample was able to be collected)

*2 Distance from the stacks of the Unit 1 and 2

*3 Half-life correction for the period until the collection of the samples was not made in the analysis result by Japan Chemical Analysis Center.