

Nuclides Analysis Result of the Gamma Rays in the Soil of Fukushima Daiichi NPS

1. Measurement Result: The following is the analysis result of γ ray nuclides in the soil measured at Fukushima Daiichi NPS

(Unit: Bq/kg · Dry Soil)

Place of Sampling		[Fixed Point]*1 Ground (Approx. 500m West-Northwest)*2	[Fixed Point]*1 Wild Birds' Forest (Approx. 500m West)*2	[Fixed Point]*1 Near the Industrial Waste Disposal Facility (Approx. 500m South-Southwest)*2
Date of Sampling		Oct 15, 2012	Oct 15, 2012	Oct 15, 2012
Analyzed by		KAKEN Inc.	KAKEN Inc.	KAKEN Inc.
Nuclides	I-131 (Approx. 8 days)	ND	ND	ND
	I-132 (Approx. 2 hours)	ND	ND	ND
	Cs-134 (Approx. 2 years)	1.4E+05	4.4E+04	4.1E+05
	Cs-136 (Approx. 13 days)	ND	ND	ND
	Cs-137 (Approx. 30 years)	2.6E+05	8.6E+04	8.0E+05
	Sb-125 (Approx. 3 years)	ND	ND	ND
	Te-129m (Approx. 34 days)	ND	ND	ND
	Te-132 (Approx. 78 hours)	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. 40 hours)	ND	ND	ND
	Ag-110m (Approx. 250 days)	ND	ND	ND

*1 Sampling was conducted in the area adjacent to the past sampling location to avoid duplication.

*2 The Distance from Unit 1-2 Stacks

2. Evaluation: The following is the analysis result of γ ray nuclides in the soil measured in Fukushima Prefecture in 2009.

Radioactive materials of higher density are detected this time supposedly due to the accident.

< Soil Analysis Result Provided by Fukushima Prefecture in 2009 >

Cs-137: ND - 21Bq/kg, Dry Soil, Others: ND

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Date of Sampling		Nov 12, 2012	Nov 12, 2012	Nov 12, 2012
Analyzed by		KAKEN Inc.	KAKEN Inc.	KAKEN Inc.
Nuclides	I-131 (Approx. 8 days)	ND	ND	ND
	I-132 (Approx. 2 hours)	ND	ND	ND
	Cs-134 (Approx. 2 years)	2.2E+05	2.1E+04	2.1E+05
	Cs-136 (Approx. 13 days)	ND	ND	ND
	Cs-137 (Approx. 30 years)	4.4E+05	4.1E+04	4.2E+05
	Sb-125 (Approx. 3 years)	ND	ND	ND
	Te-129m (Approx. 34 days)	ND	ND	ND
	Te-132 (Approx. 78 hours)	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. 40 hours)	ND	ND	ND
	Ag-110m (Approx. 250 days)	ND	ND	ND

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