

Nuclides Analysis Result of Radioactive Materials in the Marine Soil

Place of Sampling	1F, North of Unit 5-6 Discharge Channel	1F, Around South Discharge Channel
Date of Sampling	Jan 8, 2013	Jan 8, 2013
Detected Nuclides (Half-life)	Density of Sample (Unit: Bq/kg, Dry Soil)	
I-131 (Approx. 8 days)	ND	ND
Cs-134 (Approx. 2 years)	310	160
Cs-137 (Approx. 30 years)	550	280
Sr-89 (Approx. 51 days)	ND	ND
Sr-90 (Approx. 29 years)	ND	1.9
Range of Past Measurement Values of Sr-90 in the Sea Area Near 1F and 2F (FY1999-FY2008): ND - 0.17 Bq/kg, Dry Soil Source: "2009 Report on the Result of Radioactivity Measurement around Nuclear Power Plant (Fukushima Nuclear Power Station Coordinating Committee for Safety Technology)		

* Radioactivity Density "—" means "not applicable".

* Nuclide analysis results of I-131, Cs-134, Cs-137 were announced on March 1.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

I-131: Approx. 35Bq/kg, Dry Soil, Sr-89: Approx. 30Bq/kg, Dry Soil, Sr-90: Approx. 1Bq/kg, Dry Soil

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

* Nuclides analysis of Sr-89 and Sr-90 were done by KAKEN Inc..

(Evaluation)

The densities of Sr-90 are higher than those of the range of past measurement values in the sea area near 1F and 2F. Therefore, there is a possibility that the higher densities originate from the accident this time.