

Nuclides Analysis Result of Marine Soil

Place of Sampling	North of Unit 5-6 Discharge Channel	Around the South Discharge Channel at Fukushima Daiichi NPS
Date of Sampling	Mar 1, 2012	Mar 1, 2012
Detected Nuclides (Half-life)	Radioactivity Density (I-131,Cs-134,Cs-137 : Bq/kg· Moist Soil , Sr-89,Sr-90 : Bq/kg· Dry Soil)	
I-131 (Approx. 8 days)	ND	ND
Cs-134 (Approx. 2 years)	690	620
Cs-137 (Approx. 30 years)	930	830
Sr-89 (about 51 days)	ND	ND
Sr-90 (About 29 years)	ND	3.4

Past Sr-90 analysis range in the sea around 1F and 2F (FY1999 ~ FY 2008) : ND-0.17Bq/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)

* Nuclide analysis results of I-131, Cs-134 and Cs-137 were announced on March 3.

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

I-131: Approx. 8Bq/kg· Moist Soil , Sr-89: Approx. 2Bq/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)

Sr-90 density detected this time was over the maximum value detected in the ocean near Fukushima Daiichi and Daini Nuclear Power Plants in the past. Therefore, it is considered from the accident.