

Nuclide analysis results of ocean soil<1/4>

(Data summarized on February 22)

Place of Sampling	3km offshore of Odaka-ku	Iwasawa offshore 3km	15 km offshore of Fukushima Daiichi
Date of sampling	2012/1/7	2012/1/5	2012/1/10
Detected Nuclides (Half-life)	Radioactivity density (I-131,Cs-134,Cs-137 : Bq/kg·moist soil, Sr-89,Sr-90 : Bq/kg·oven-dry soil)		
I-131 (about 8 days)	ND	ND	ND
Cs-134 (about 2 years)	41	1,800	23
Cs-137 (about 30 years)	54	2,300	28
Sr-89 (about 51 days)	—	ND	—
Sr-90 (about 29 years)	ND	ND	ND
The range measured in the ocean near Fukushima Daiichi and Daini Nuclear Power Plants in the past (1999-2008) : ND—0.17Bq/kg oven-dry soil Source: "Report on the environmental radioactivity measurement around the Nuclear Power Plant (2008)", Committee on the safty technology of Nuclear Power Plants in Fukushima.			

* Radio Active Density "—" means "not applicable".

* Nuclide analysis results of I-131, Cs-134, and Cs-137 were announced on January 7, 9 and 12.

* Analysis Institute:Japan Chemical Analysis Center (Sr-89, Sr-90), TEPCO (I-131, Cs-134, Cs-137)

* In the case the measurement is under the detection threshold, "ND" is marked.

I-131: approx. 15Bq/kg·moist soil,

Sr-89: approx. 3Bq/kg·oven-dry soil, Sr-90: approx. 2Bq/kg·oven-dry soil。

In addition, the detection threshold is defferent according to the detectors and the sample forms. So, it is possible to detect the nuclide under detection threshold.

(Evaluation)

Sr-89 and Sr-90 were not detected in the sample collected this time.

Nuclide analysis results of ocean soil<2/4>

(Data summarized on February 22)

Place of Sampling	North of Discharge Channel of 5-6u	Around South Discharge Channel	
Date of sampling	2012/1/18	2012/1/18	
Detected Nuclides (Half-life)	Radioactivity density (I-131,Cs-134,Cs-137 : Bq/kg·moist soil, Sr-89,Sr-90 : Bq/kg·oven-dry soil)		
I-131 (about 8 days)	ND	ND	
Cs-134 (about 2 years)	1,200	1,400	
Cs-137 (about 30 years)	1,600	1,800	
Sr-89 (about 51 days)	ND	6.9	
Sr-90 (about 29 years)	ND	30	
The range measured in the ocean near Fukushima Daiichi and Daini Nuclear Power Plants in the past (1999-2008) : ND —0.17Bq/kg oven-dry soil Source: "Report on the environmental radioactivity measurement around the Nuclear Power Plant (2008)", Committee on the safty technology of Nuclear Power Plants in Fukushima.			

* Radio Active Density "—" means "not applicable".

* Nuclide analysis results of I-131, Cs-134, and Cs-137 were announced on January 20.

* Analysis Institute:Japan Chemical Analysis Center (Sr-89, Sr-90), TEPCO (I-131, Cs-134, Cs-137)

* In the case the measurement is under the detection threshold, "ND" is marked.

I-131: approx. 12Bq/kg·moist soil,

Sr-89: approx. 2Bq/kg·oven-dry soil, Sr-90: approx. 1Bq/kg·oven-dry soil.

In addition, the detection threshold is defferent according to the detectors and the sample forms. So, it is possible to detect the nuclide under detection threshold.

(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.

Nuclide analysis results of ocean soil<3/4>

(Data summarized on February 22)

Place of Sampling	3km offshore of Haramachi-ku	8km offshore of Iwasawa shore	
Date of sampling	2012/1/7	2012/1/7	
Detected Nuclides (Half-life)	Radioactivity density (I-131,Cs-134,Cs-137 : Bq/kg·moist soil, Sr-89,Sr-90 : Bq/kg·oven-dry soil)		
I-131 (about 8 days)	ND	ND	
Cs-134 (about 2 years)	29	410	
Cs-137 (about 30 years)	32	550	
Sr-89 (about 51 days)	—	—	
Sr-90 (about 29 years)	ND	ND	
The range measured in the ocean near Fukushima Daiichi and Daini Nuclear Power Plants in the past (1999-2008) : ND—0.17Bq/kg oven-dry soil Source: "Report on the environmental radioactivity measurement around the Nuclear Power Plant (2008)", Committee on the safty technology of Nuclear Power Plants in Fukushima.			

* Radio Active Density "—" means "not applicable".

* Nuclide analysis results of I-131, Cs-134, and Cs-137 were announced on January 9.

* Analysis Institute:Japan Chemical Analysis Center (Sr-89, Sr-90), TEPCO (I-131, Cs-134, Cs-137)

* In the case the measurement is under the detection threshold, "ND" is marked.

I-131: approx. 8Bq/kg·moist soil,

Sr-90: approx. 2Bq/kg·oven-dry soil.

In addition, the detection threshold is defferent according to the detectors and the sample forms. So, it is possible to detect the nuclide under detection threshold.

(Evaluation)

Sr-90 was not detected in the sample collected this time.

Nuclide analysis results of ocean soil<4/4>

(Data summarized on February 22)

Place of Sampling	5km offshore of Kashima	5 km offshore of Numanouchi	
Date of sampling	2012/1/26	2012/1/13	
Detected Nuclides (Half-life)	Radioactivity density (I-131,Cs-134,Cs-137 : Bq/kg·moist soil, Sr-89,Sr-90 : Bq/kg·oven-dry soil)		
I-131 (about 8 days)	ND	ND	
Cs-134 (about 2 years)	37	520	
Cs-137 (about 30 years)	47	660	
Sr-89 (about 51 days)	—	ND	
Sr-90 (about 29 years)	ND	ND	
The range measured in the ocean near Fukushima Daiichi and Daini Nuclear Power Plants in the past (1999-2008) : ND —0.17Bq/kg oven-dry soil Source: "Report on the environmental radioactivity measurement around the Nuclear Power Plant (2008)", Committee on the safty technology of Nuclear Power Plants in Fukushima.			

* Radio Active Density "—" means "not applicable".

* Nuclide analysis results of I-131, Cs-134, and Cs-137 were announced on January 15 and 28.

* Analysis Institute:Japan Chemical Analysis Center (Sr-89, Sr-90), TEPCO (I-131, Cs-134, Cs-137)

* In the case the measurement is under the detection threshold, "ND" is marked.

I-131: approx. 9Bq/kg·moist soil,

Sr-89: approx. 3Bq/kg·oven-dry soil, Sr-90: approx. 2Bq/kg·oven-dry soil.

In addition, the detection threshold is defferent according to the detectors and the sample forms. So, it is possible to detect the nuclide under detection threshold.

(Evaluation)

Sr-89 and Sr-90 were not detected in the sample collected this time.