

Nuclide analysis results of ocean soil

Reference

(Data summarized on April 20)

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)	Around South Discharge Channel of 1F (1-4u Discharge Channel)			
Time of Sampling	Apr 18, 2012 08:55 am	Apr 18, 2012 08:30 am			
Detected Nuclides (Half-life)	Radioactivity density (Bq/kg· moist soil)				
I-131 (approx. 8 days)	ND	ND			
Cs-134 (approx. 2 years)	620	590			
Cs-137 (approx. 30 years)	910	810			

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.

I-131: approx. 11Bq/kg· moist soil)

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Pu Nuclide analysis results of ocean soil

1. Results

(Unit : Bq/kg· oven dry soil)

Place of Sampling	Date Organization	Pu-238	Pu-239+Pu-240
3km offshore of Iwasawa shore	March 4 JCAC	N.D. [$<1.5 \times 10^{-2}$]	$(3.0 \pm 0.22) \times 10^{-1}$
8km offshore of Iwasawa shore		N.D. [$<1.4 \times 10^{-2}$]	$(4.8 \pm 0.30) \times 10^{-1}$
3km offshore of Onahama Port	March 15 JCAC	N.D. [$<1.8 \times 10^{-2}$]	$(4.0 \pm 0.28) \times 10^{-1}$
3km offshore of Soma City	March 22 JCAC	N.D. [$<1.6 \times 10^{-2}$]	$(5.4 \pm 0.34) \times 10^{-1}$
3km of Haramachi ward	March 23 JCAC	N.D. [$<1.5 \times 10^{-2}$]	$(5.2 \pm 0.32) \times 10^{-1}$
3km offshore of Odaka ward		N.D. [$<1.7 \times 10^{-2}$]	$(5.1 \pm 0.33) \times 10^{-1}$
15km offshore of Fukushima Daiichi NPS site	March 26 JCAC	N.D. [$<1.5 \times 10^{-2}$]	$(2.0 \pm 0.17) \times 10^{-1}$
Past measurement area in the sea around Fukushima Daiichi and Fukushima Daini (FY1999 ~ FY2008) ¹		-	$1.7 \times 10^{-1} \sim 5.6 \times 10^{-1}$
Past measurement area in the country (FY2006 ~ 2010) ²		N.D. $\sim 6 \times 10^{-2}$	-

Number inside [] means detection limit

1 : Source “ FY2009 Report of Environment Radioactivity Measurement around Nuclear Power Station ” (Fukushima Prefecture Nuclear Power Station Liaison Conference of Security Technology)

2 : Source Ministry of Education, Culture, Sports, Science and Technology ” Environmental Radiation

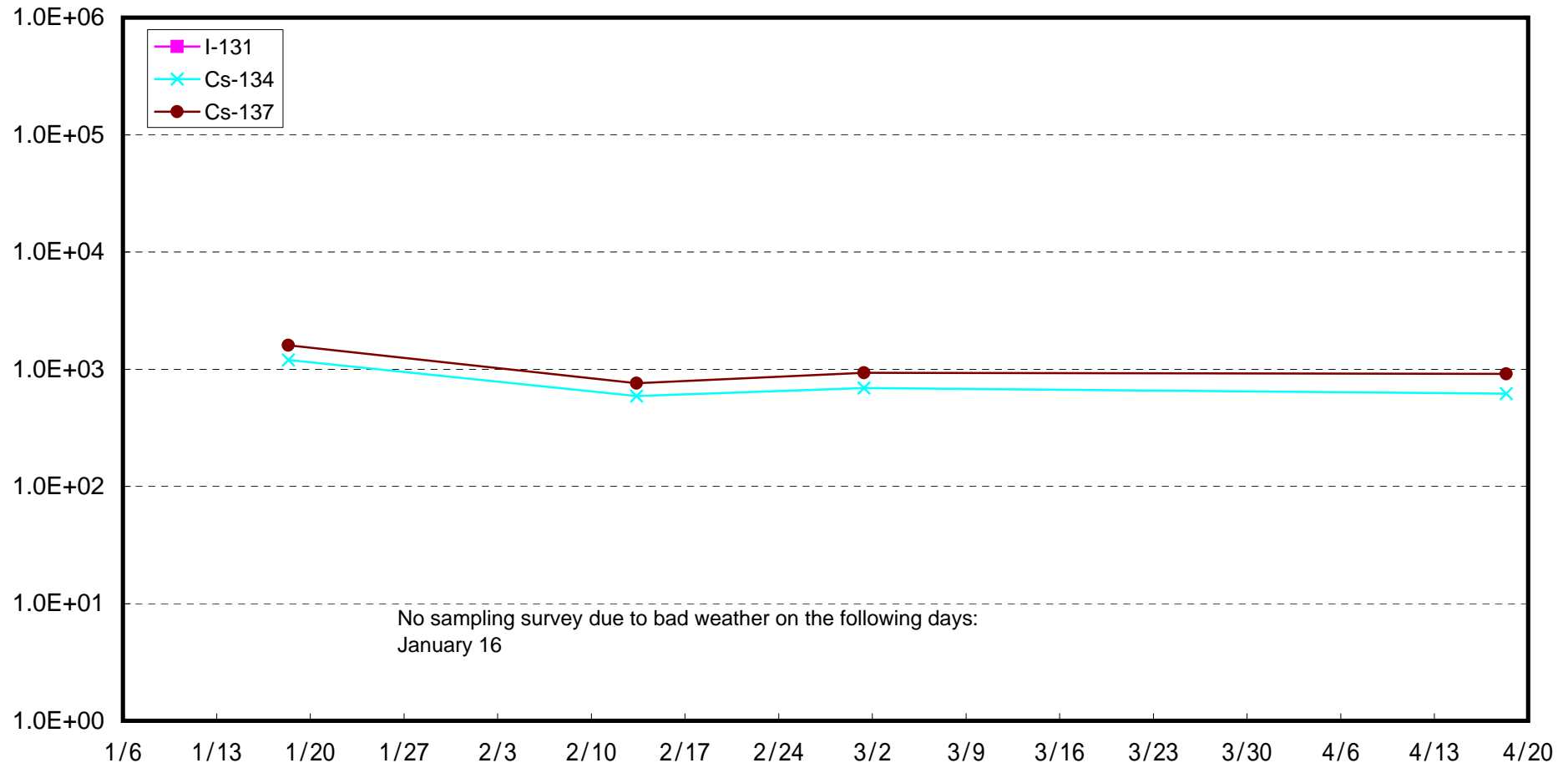
Database ” <http://search.kankyo-hoshano.go.jp/servlet/search.top> , (Reference 2012-Jan-18).

2. Evaluation

Since the density of Pu-239+Pu240 detected during March 4 to March 26 were same level of those result measured in the past, thus we can't judge it originated from the accident.

END

Radioactivity Density of Ocean Soil on North of Discharge Channel of 5-6u of 1F (Bq/kg (moist soil))



Radioactivity Density of Ocean Soil at South Discharge Channel of 1F (Bq/kg (moist soil))

