

Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daiichi Nuclear Power Station >

(Data summarized on September 25)

Place of Sampling	North of Unit 5-6 Discharge Channel at Fukushima Daiichi NPS (Approx. 30m North of Unit 5-6 Discharge Channel)	Around South Discharge Channel of Fukushima Daiichi NPS (Approx. 1.3km South of Unit 1-4 Discharge Channel)			
Time of Sampling	Sep 24, 2014 6:57 AM	Sep 24, 2014 5:40 AM		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)		Scaling Factor (①/②)
I-131 (Approx. 8 days)	ND(0.75)	-	ND(0.66)	-	40
Cs-134 (Approx. 2 years)	ND(0.59)	-	ND(0.62)	-	60
Cs-137 (Approx. 30 years)	ND(0.78)	-	ND(0.63)	-	90

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* Data of other nuclides is under evaluation.

* In the case of 2 nuclides or more, the sum of scaling factors to density limits is compared to 1.

* "ND" indicates that the measurement result is below the detection limit, which is provided in parentheses.

Nuclides Analysis Result of Radioactive Materials in the Seawater<1/2>

(Data summarized on September 25)

Place of Sampling (Place No.)	North Discharge Channel at 2F (Approx. Unit 3-4 Discharge Channel) (Approx. 10km from Fukushima Daiich NPS) (T-3)		South side of the Ukedo Port (Approx. 5.5km north of Unit 5-6 Discharge Channel) (T-6)		/		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Date of Sampling	Aug 5, 2014		Aug 12, 2014		/	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.025	0.00	0.020	0.00	/	/	
Cs-137 (Approx. 30 years)	0.066	0.00	0.071	0.00	/	/	90
H-3 (approx. 12yrs)	ND	—	ND	—	/	/	60,000
All β	ND	—	ND	—	/	/	—

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

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

* In the case of 2 nuclides or more, the sum of scaling factors to density limits is compared to 1.

* As of Cs-134 and Cs-137, they are announced on September 5 and 19.

* Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

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

H-3: Approx. 0.32Bq/L, All β: Approx. 17Bq/L

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

(Evaluation)

All β radiation were not detected in the sample.

Nuclides Analysis Result of Radioactive Materials in the Seawater<2/2>

(Data summarized on September 25)

Place of Sampling (Place No.)	North Discharge Channel at 2F (Approx. Unit 3-4 Discharge Channel) (Approx. 10km from Fukushima Daiich NPS) (T-3)		South side of the Ukedo Port (Approx. 5.5km north of Unit 5-6 Discharge Channel) (T-6)		/		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Aug 19, 2014		Aug 19, 2014		/		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.025	0.00	0.0095	0.00	/	/	
Cs-137 (Approx. 30 years)	0.081	0.00	0.033	0.00	/	/	90
H-3 (approx. 12yrs)	0.40	0.00	ND	—	/	/	60,000
All β	ND	—	ND	—	/	/	—

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

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

* In the case of 2 nuclides or more, the sum of scaling factors to density limits is compared to 1.

* As of Cs-134 and Cs-137, they are announced on September 19.

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

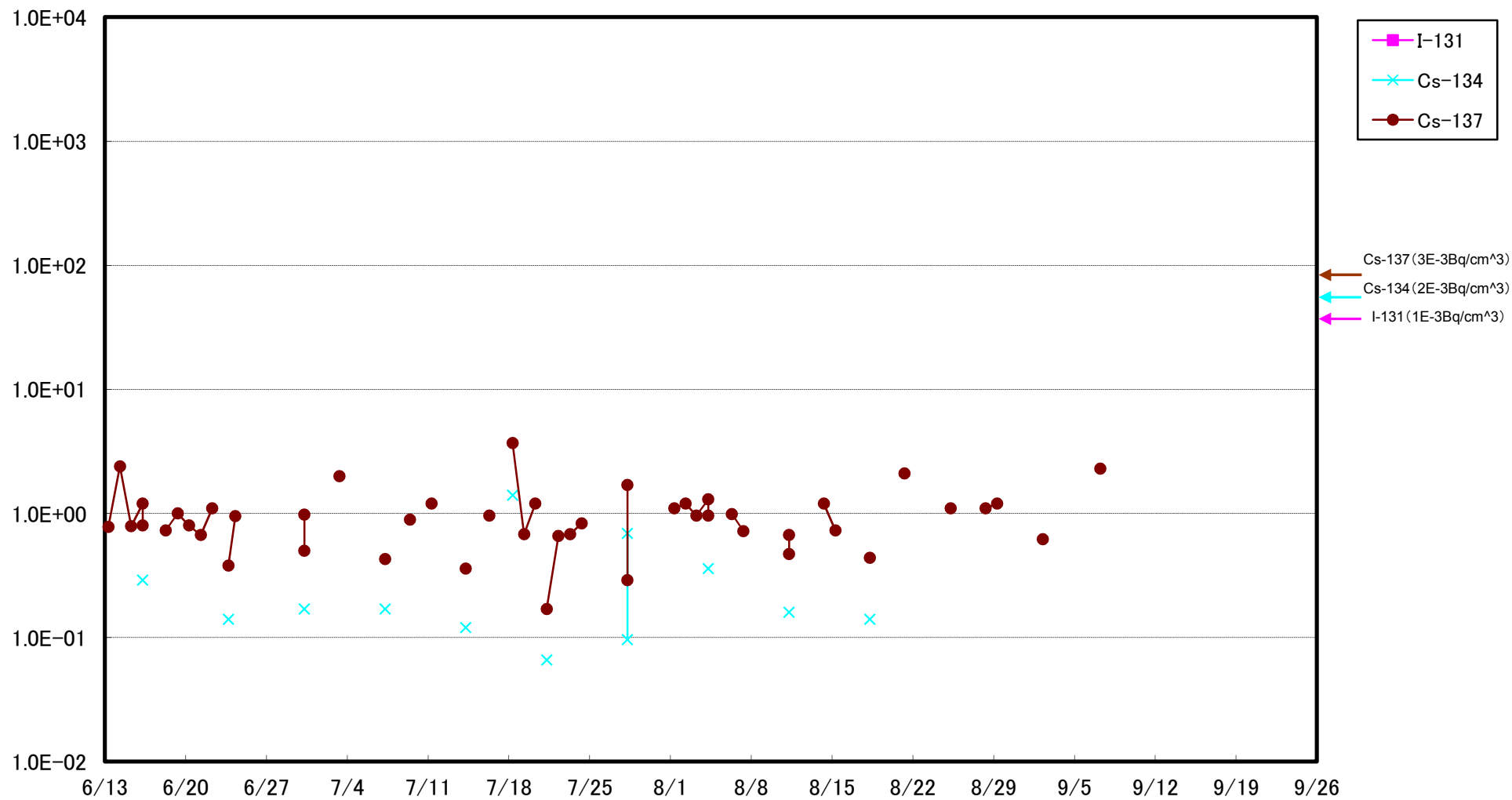
H-3: Approx. 0.32Bq/L, All β: Approx. 17Bq/L

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

(Evaluation)

Although H-3 was detected supposedly as a result of this accident, they are less than the density limit in the water which is specified by the announcement.

Radioactivity Density of the Seawater at 1F Units 5-6 North Discharge Channel (Bq/L)



Radioactivity Density of the Seawater at 1F Units 5-6 North Discharge Channel (Bq/L)

