

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

(Data summarized on December 26)

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	Dec 25, 2014 7:35 AM	Dec 25, 2014 6:10 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(0.69)	-	ND(0.64)	-	40
Cs-134 (Approx. 2 years)	ND(0.58)	-	ND(0.52)	-	60
Cs-137 (Approx. 30 years)	ND(0.59)	-	ND(0.53)	-	90

\* The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

\* Data of other nuclides is under evaluation.

\* In the case of more than 2 nuclides, 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 December 26)

Place of Sampling (Place No.)	15km Offshore of Fukushima Daiichi NPS(T-5) Upper Layer		3km Offshore of Ukedo River (T-D1) Upper Layer		3km Off shore of Fukushima Daiichi NPS(T-D5) Upper Layer		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	Nov 4 ,2014		Nov 11 ,2014		Nov 11 ,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)	ND	—	0.0091	0.00	0.0083	0.00	60
Cs-137 (Approx. 30 years)	0.0074	0.00	0.031	0.00	0.027	0.00	90
H-3 (approx. 12yrs)	ND	—	0.40	0.00	0.43	0.00	60,000
All α	ND	—	ND	—	ND	—	—
All β	ND	—	ND	—	ND	—	—
Sr-90 (Approx. 29 years)	ND	—	ND	—	ND	—	30

\*The density specified by the reactor regulation is converted from Bq/cm<sup>3</sup> to Bq/L

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

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

\* Analysis result of Cs-134 and Cs-137 was released on December 9 and 18, 2014.

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

Cs-134: Approx. 0.0013Bq/L, H3: Approx. 0.34Bq/L, All α: Approx. 2.0Bq/L ,All β: Approx. 17Bq/L, Sr-90: Approx. 0.009Bq/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)

H-3 was detected, and it is considered as the result of the accident, although the value is below the density limit specified above

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

(Data summarized on December 26)

Place of Sampling (Place No.)	3km Offshore of Fukushima Daini (T-D9) Upper Layer						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)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.0032	0.00					60
Cs-137 (Approx. 30 years)	0.011	0.00					90
H-3 (approx. 12yrs)	ND	—					60,000
All α	ND	—					—
All β	ND	—					—
Sr-90 (Approx. 29 years)	ND	—					30

\*The density specified by the reactor regulation is converted from Bq/cm<sup>3</sup> to Bq/L

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

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

\* Analysis result of Cs-134 and Cs-137 was released on December 9 and 18, 2014.

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Cs-134: Approx. 0.0013Bq/L, H3: Approx. 0.34Bq/L, All α: Approx. 2.0Bq/L ,All β: Approx. 17Bq/L, Sr-90: Approx. 0.009Bq/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.

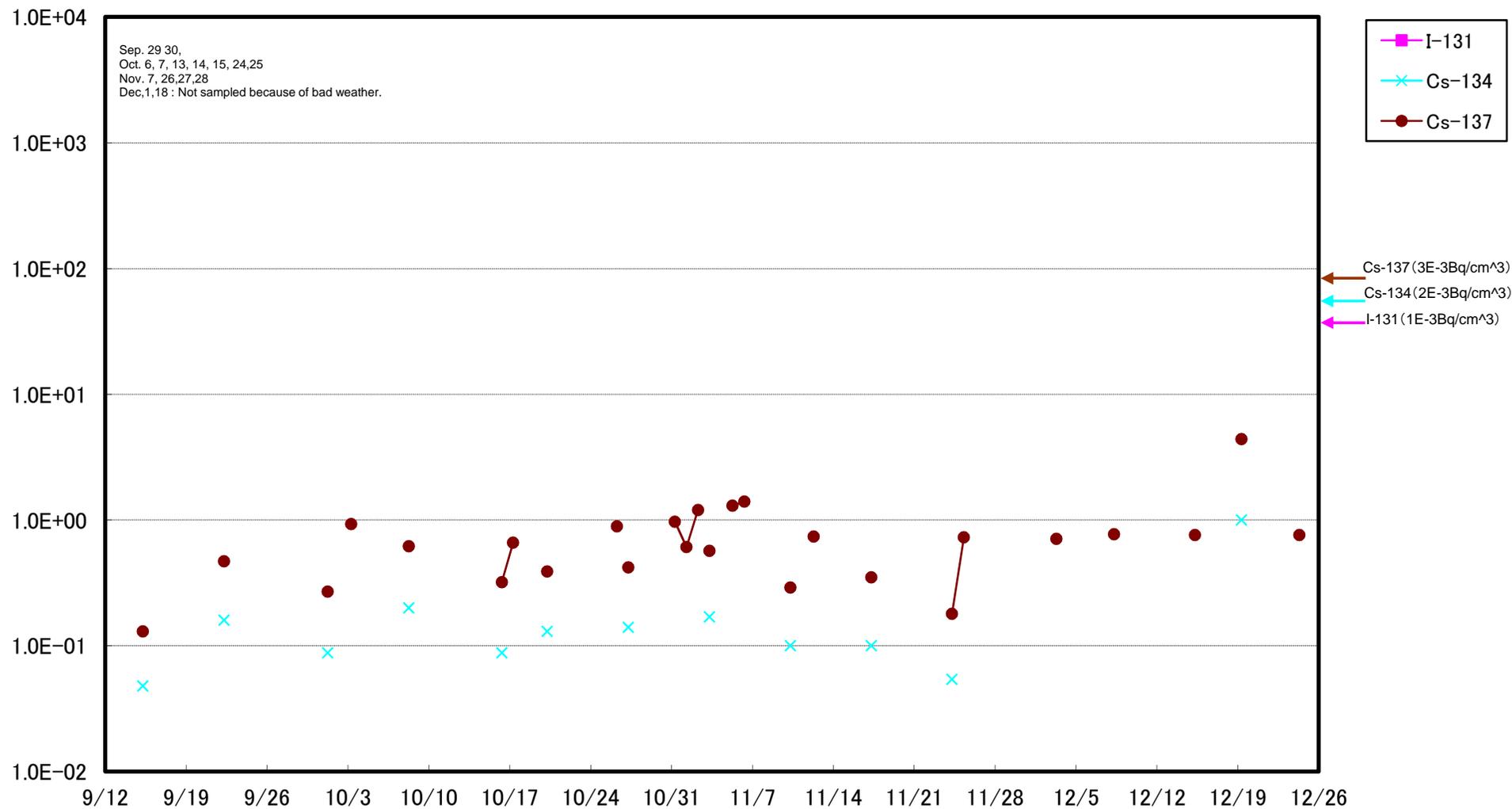
(Evaluation)

H-3 was detected, and it is considered as the result of the accident, although the value is below the density limit specified above

(Evaluation)

H-3, All α radiations, Sr-90 were not detected by the result of the measurement this time

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



Radioactivity Density of the Seawater at 1F South Discharge Channel (Bq/L)

