

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

(Data summarized on December 10)

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)		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.)
	Time of Sampling Dec 9, 2014 7:20 AM		Time of Sampling Dec 9, 2014 5:50 AM		
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(0.64)	-	40
Cs-134 (Approx. 2 years)	ND(0.83)	-	ND(0.53)	-	60
Cs-137 (Approx. 30 years)	ND(0.59)	-	ND(0.78)	-	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 10)

Place of Sampling (Place No.)	North Discharge Channel at 2F (T-3) (Around discharge channel at Unit 3,4 ) (About 10km from 1F)		South side of Ukedo port(T-6) (About 5.5 km from north side of discharge channel at Unit 5,6)		/		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.)
	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)	
Date of Sampling	28 Oct,2014		28 Oct,2014		/		
Detected Nuclides (Half- life)							
Cs-134 (Approx. 2 years)	0.031	0.00	0.020	0.00	/	/	60
Cs-137 (Approx. 30 years)	0.10	0.00	0.054	0.00	/	/	90
H-3 (approx. 12yrs)	0.36	0.00	0.45	0.00	/	/	60,000
All β	ND	—	ND	—	/	/	—

\* 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, the detection limit value is all β is approx 17Bq/L

though there is a case that the data witch below the detection limit can be detected since the detection limit can be differ depends on the detector or condition of the sampling

(Evaluation)

H-3 was detected and it considered as the result of the accident, although the density is lower than that of Density Limit by the reactor regulation.

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

(Data summarized on December 10)

Place of Sampling (Place No.)	North Discharge Channel at 2F (T-3) (Around discharge channel at Unit 3,4 ) (About 10km from 1F)		South side of Ukedo port(T-6) (About 5.5 km from north side of discharge channel at Unit 5,6)				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	4 nov,2014		4 nov,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	0.021	0.00	/	/	60
Cs-137 (Approx. 30 years)	0.073	0.00	0.071	0.00	/	/	90
H-3 (approx. 12yrs)	ND	—	0.33	0.00	/	/	60,000
All β	ND	—	ND	—	/	/	—

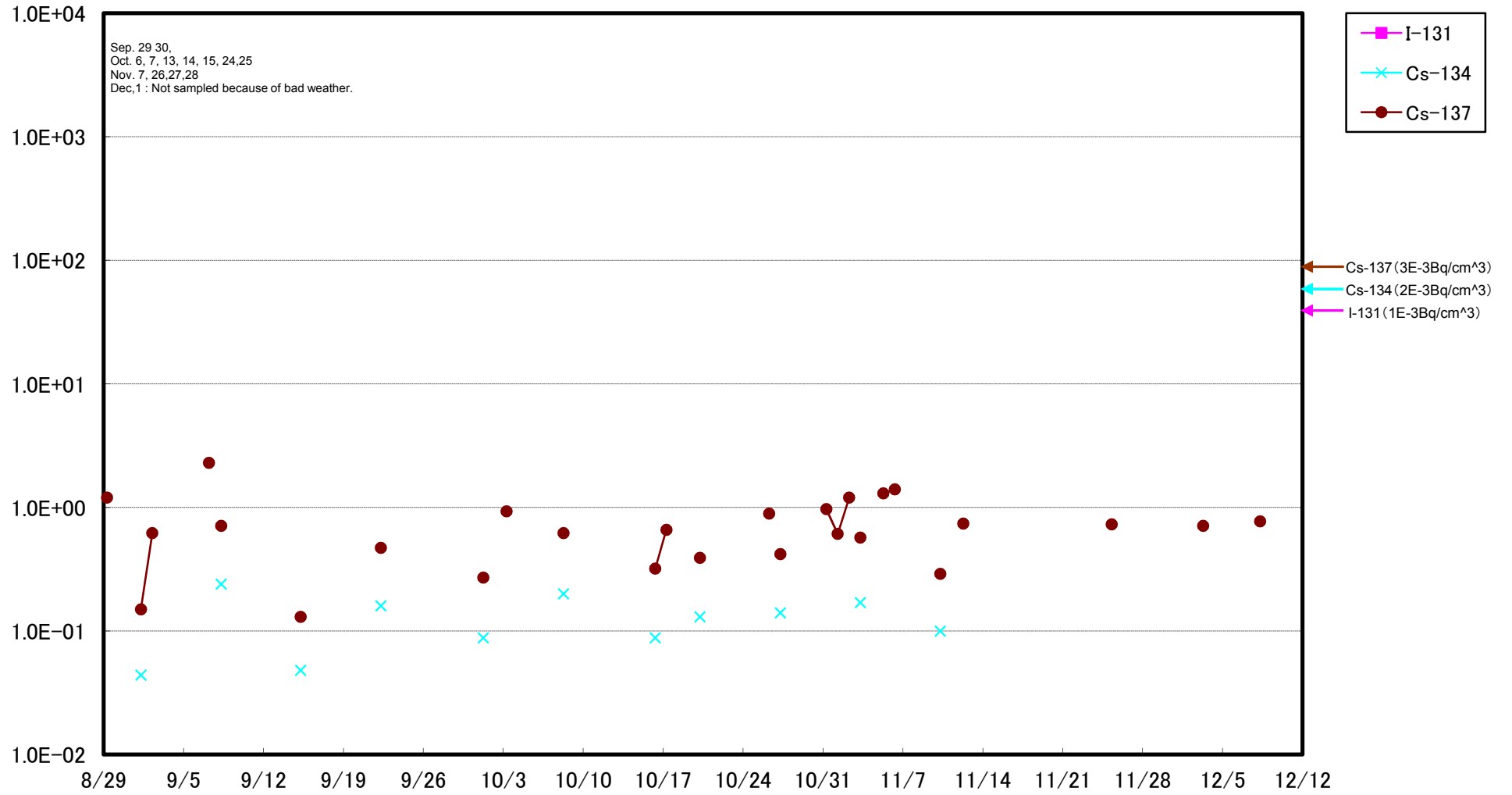
\* The density specified by the reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L\* Radioactivity Density"- " means "not applicable"

\* In the case there are two or more type of Nuclide, the summation of the magnification is compared with "1". For the value of Cs-134 and Cs-137 were announced on 26 Nov, 2014

\* 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. 18Bq/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 were detected, and it considered as the result of the accident, but the value was under the Density Limit.

### 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)

