Reference

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

(Data summarized on November 21, 2014)

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 (Appox. 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	Nov 20, 2014 7:05 AM		Nov 20, 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(0.62)	-	ND(0.75)	-	40
Cs-134 (Approx. 2 years)	ND(0.68)	-	ND(0.77)	-	60
Cs-137 (Approx. 30 years)	ND(0.58)	-	ND(0.68)	-	90

* The density specified by the Reactor Regulation is converted from Bq/cm^3 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

(Data summarized on November 21)

Place of Sampling (Place No.)	North of Unit 5-6 Discharge Channel at Fukushima Daiichi NPS (Approx. 30m North of Unit 5-6 Discharge Channel)(T-1)		Around South Discharge Channel of Fukushima Daiichi NPS (Appox. 1.3km South of Unit 1-4 Discharge Channel)(T-2-1)				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	Oct 20, 2014		Oct 20, 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)	
I-131 (Approx. 8 days)	ND(0.72)	—	ND(0.71)	—			
Cs-134 (Approx. 2 years)	ND(0.66)	—	ND(0.76)	—			60
Cs-137 (Approx. 30 years)	ND(0.62)	—	ND(0.60)	—			90
H-3 (approx. 12yrs)	ND(1.5)	—	ND(1.5)	—			60,000
All α	ND(2.0)	—	ND(2.0)	—			—
All β	13	—	14	—			—
Sr-90 (Approx. 29 years)	0.030	0.00	ND(0.0089)	—			30

* The density specified by the Reactor Regulation is converted from Bq/cm^3 to Bq/L.

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

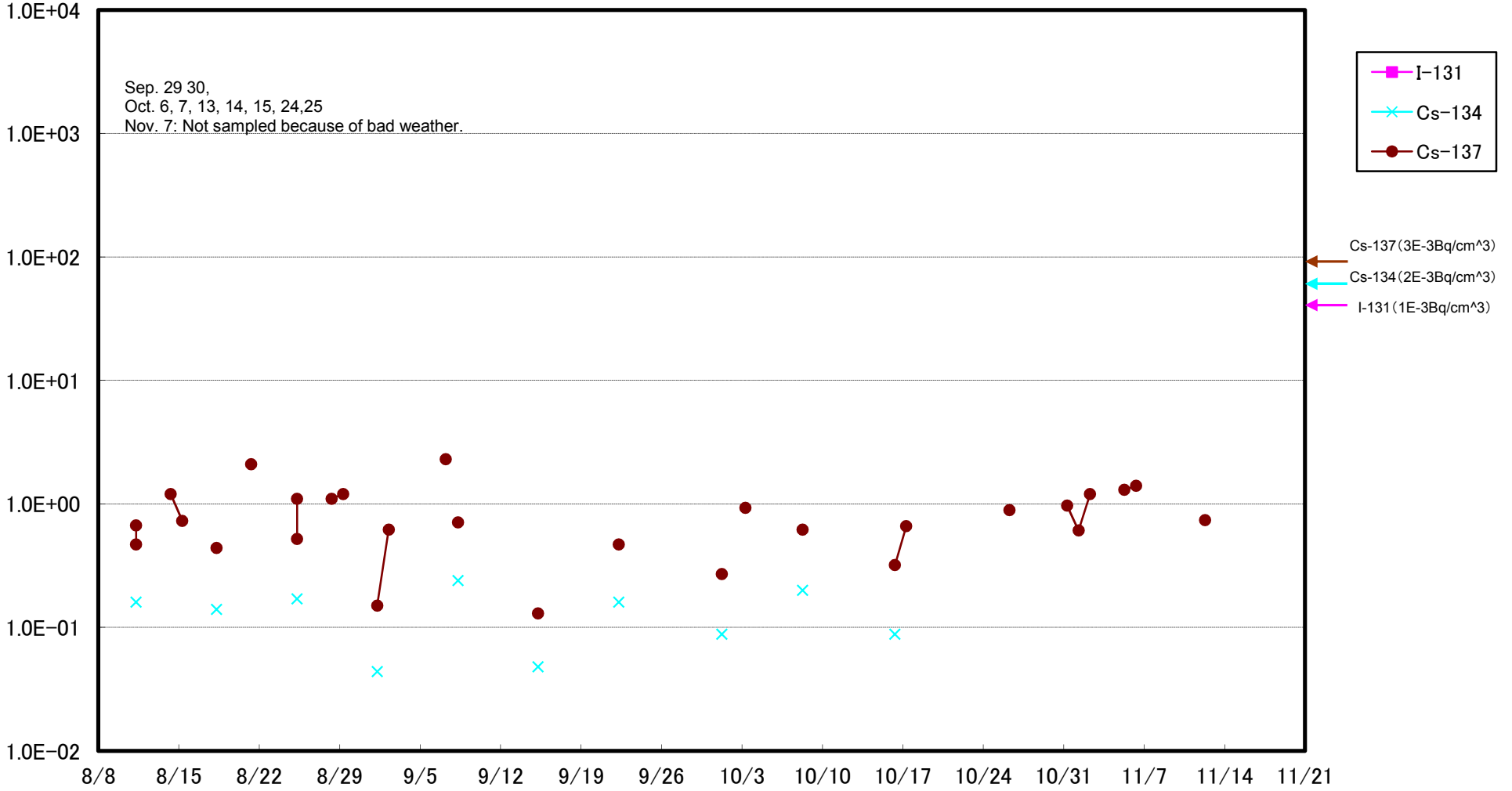
* "ND" indicates that the measurement result is below the detection limit, which is provided in parentheses.

* Sr-90 Analysis has been performed by Japan Analysis Center

(Evaluation)

Although the concentration value of Sr-90 is under the density limit in the water of the specification. All β radiations, Sr-90 has been detected, and those are considered as the fault of the Fukushima daiichi NPS accident,

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))