Reference

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

(Data summarized on December 16, 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	Dec 15, 2014 7:00AM		Dec 15, 2014 5:50AM		
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(0.59)	−	ND(0.58)	-	40
Cs-134 (Approx. 2 years)	ND(0.80)	−	ND(0.74)	-	60
Cs-137 (Approx. 30 years)	0.76	0.01	ND(0.60)	-	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

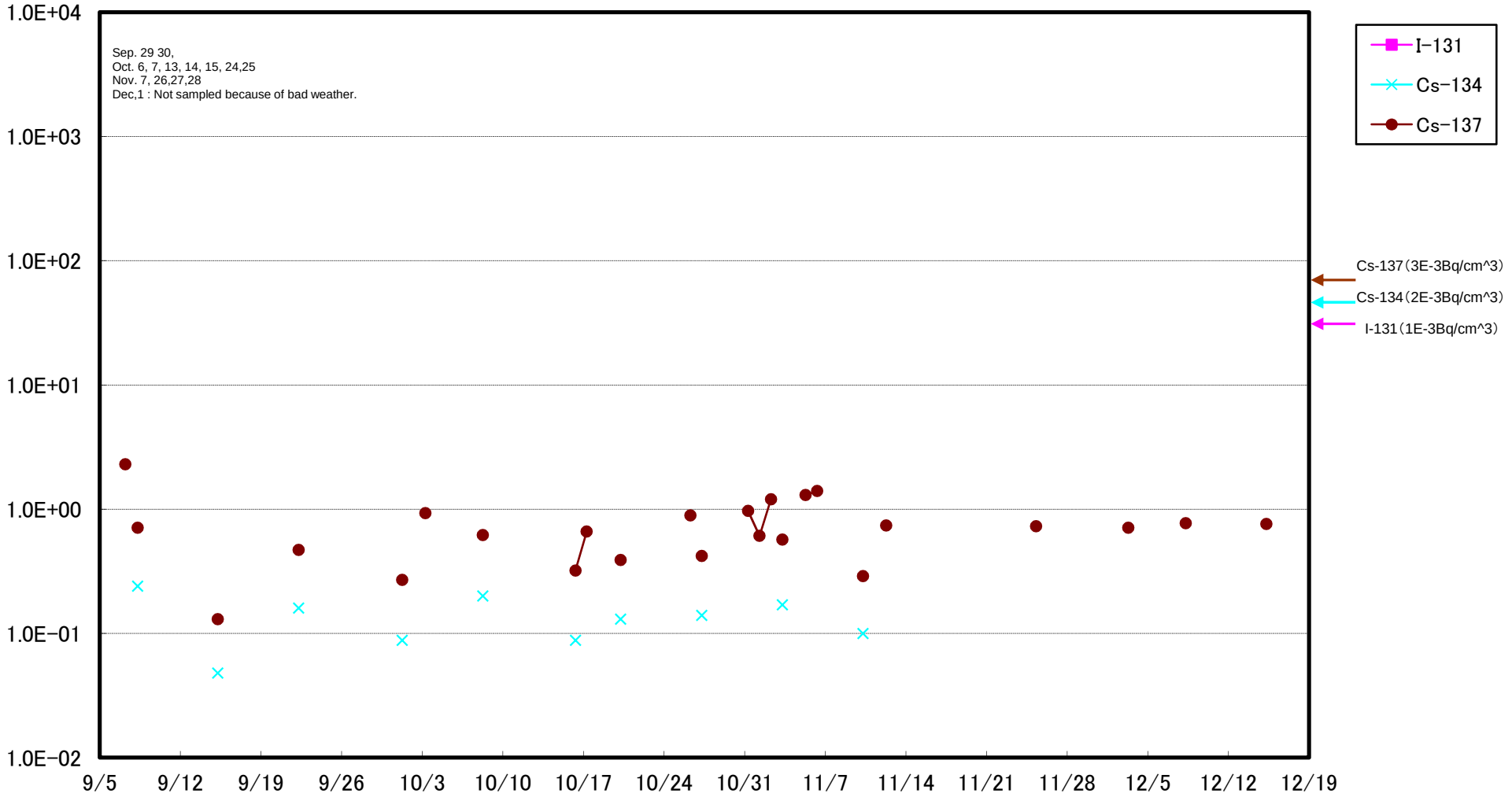
(Data summarized on December 16)

Place of Sampling (Place No.)	North Discharge Channel at Fuklushima Daiichi NPS, (30km from the North of Unit 5-6 Discharge Channel) (T-1)		Around the South Discharge Channel at Fukushima Daiichi NPS(1.3km from the South of Unit 1-4 Discharge Channel) (T-2-1)				② Density Limit Specified by the Reactor Regulation (Bq/cm^3) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Date of Sampling	3 Nov,2014		3 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)	
I-131 (Approx. 8 days)	ND(0.72)	—	ND(0.58)	—			40
Cs-134 (Approx. 2 years)	ND(0.53)	—	ND(0.68)	—			60
Cs-137 (Approx. 30 years)	ND(0.70)	—	1.3	0.01			90
H-3 (approx. 12yrs)	1.6	0.00	1.9	0.00			60,000
All α	ND(2.1)	—	ND(2.1)	—			—
All β	14	—	7.4	—			—
Sr-90 (Approx. 29 years)	0.16	0.01	ND(0.0071)	—			30

*The density specified by the reactor regulation is converted from Bq/cm^3to Bq/L
*In case there are two or more Nuclide, the summation of magnification for density limit of each is supposed to compare with "1",
*As for the data of 1-131,Cs-134,Cs-137,All β were announced on 4th November, H-3 was announced on 7th November.
ND indicate when the data is less than detection limit as it is shown in（ ）
*Sr-90 was analyzed by Japan Chemical Analysis Center.

H-3, All β radiations, Sr-90 were detected, and they are considered as a result of the accident, although the density of H-3 and Sr-90 is less than density limit in the water specified.

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)