

# Results of Nuclide Analyses of Radioactive Materials in the Seawater <Coast>

prompt report

(Data summarized on May 20)

Place of Collection	North of discharge canal of 1F's Unit 5,6 (Approx. 30m north from discharge canal of Unit 5,6)				South discharge canal of 1F (Approx.330m south from discharge canal of Unit 1-4)				North discharge canal of 2F (discharge canal of Unit3,4) (Approx.10km from 1F)		Iwanosawa coast, 2F (Approx.7km south from discharge canal of Unit 1,2) (Approx.16km from 1F)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/19 9:15				2011/5/19 8:40				2011/5/19 8:55		2011/5/19 8:05	
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	14	0.35			ND	-			ND	-	ND	-	40
Cs-134 (about 2 years)	120	2.0			52	0.87			25	0.42	17	0.28	60
Cs-137 (about 30 years)	130	1.4			67	0.74			24	0.27	17	0.19	90

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

Data of other nuclides are under evaluation.

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

prompt report

The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

(Data summarized on May 20)

Place of Collection	Shallow Draft Quay of 1F		Inside of north water intake canal of 1F's Unit 1-4		Inside of south water intake canal of 1F's Unit 1-4		Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and date of sample collection	2011/5/20 6:28		2011/5/20 7:33		2011/5/20 6:40		2011/5/20 7:12		2011/5/20 7:17		
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	120	3.0	1,600	40	260	6.5	1,800	45	3,700	93	40
Cs-134 (about 2 years)	760	13	6,300	110	1,200	20	6,800	110	70,000	1,200	60
Cs-137 (about 30 years)	810	9.0	6,500	72	1,300	14	7,100	79	74,000	820	90

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In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1