

Result of Nuclide Analysis regarding the Water Leakage observed around the flowmeter of Emergency Reactor Injection Pump (C) on the Hill at Fukushima Daiichi Nuclear Power Station

(Data summarized on February 1)

Place of Sampling	Running water on the reactor injection facility		Mixing point of leaking water in the drainage (Accumulated water at the upper stream of sandbag bank)		Lower drainage (Accumulated water approx. 50m apart from sandbag bank)		North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				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 of Sampling	11:35 Jan 28 2012	07:40 Jan 31 2012		13:15 Jan 29 2012		08:40 Jan 29 2012		14:50 Jan 29 2012		
Detected Nuclides (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)	ND	/	ND	/	ND	/	ND	-	ND	-	40
Cs-134 (about 2 years)	43	/	3,900	/	ND	/	1.9	0.03	2.4	0.04	60
Cs-137 (about 30 years)	54	/	5,600	/	ND	/	3.0	0.03	3.1	0.03	90
全β	100,000	/	21,000	/	53	/	-	-	27	-	-

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

In the case the measurement is under the detection threshold, "ND" is marked.

Detection limit of the leakage is as follows. I-131: approx. 13Bq/L

Detection limits at the mixing point of leaking water in the drainage are as follows. I-131: approx. 58Bq/L, Cs-134: 64Bq/L, Cs-137: approx. 65Bq/L

Detection limits at the lower drainage are as follows. I-131: approx. 8.9Bq/L, Cs-134: 24Bq/L, Cs-137: approx. 29Bq/L

Detection limit at North of Discharge Channel of 5-6u of 1F is as follows. I-131: approx. 0.80Bq/L

* The analysis at North of Discharge Channel of 5-6u of 1F at 8:40 am on January 29 was implemented as r-ray nuclide analysis. (No result of all-β radioactivity analysis)

* "-" in the Radioactivity density section shows N/A.