

Nuclides analysis result in relation to the leakage from evaporative condensation apparatus, 1F occurred on December 4, 2011

(Data summarized on February 2)

Place of Sampling	3km offshore of Ukedo river, Upper layer		3km offshore of Fukushima Daiichi, Upper layer		3km offshore of Fukushima Daini, Upper layer		8km offshore of Fukushima Daiichi, Upper layer		② 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	09:40 Dec 19 2011	10:25 Dec 19 2011	10:45 Dec 19 2011	10:05 Dec 19 2011				
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)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	90
Sr-89 (about 51 days)	ND	-	ND	-	0.15	0.00	ND	-	300
Sr-90 (about 29 years)	0.048	0.00	0.13	0.00	0.50	0.02	0.083	0.00	30
All β	ND	-	33	-	33	-	45	-	-

* 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.

* We announced for I-131, Cs-134, Cs-137, all β on January 25.

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

I-131: approx. 4.4Bq/L, Cs-134: approx. 0.96Bq/L, Cs-137: approx. 1.0Bq/L, Sr-89: approx. 0.05Bq/L, Allβ: approx. 19Bq/L

In addition, the detection threshold is different according to the detectors and the sample forms. So, it is possible to detect the nuclide under detection threshold.

* Analysis on Sr-89 and Sr-90 was done by Japan Chemical Analysis Center.