

Nuclide Analysis Results regarding leakage from
evaporative condensation apparatus of Fukushima Daiichi (December 4,2011)

Reference

(Data summarized on January 25)

Place of Sampling	13km offshore of Ukedogawa 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		Time of Sampling		Time of Sampling		Time of Sampling		
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	
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	90
Sr-89 (About 51days)	*	-	*	-	*	-	*	-	300
Sr-90 (about 29 years)	*	-	*	-	*	-	*	-	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.

* "ND" means the sampled data is below measurable limit. Detection limits are as follows:

I-131: approx. 4.4Bq/L, Cs-134: approx. 0.96Bq/L, Cs-137: approx. 1.0Bq/L, all β: approx.19Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

* "*" means the sample data is under examination.