Fukushima Daiichi	Result of Nuclide Analysis on Water Leakage from Evaporative Concentration Apparatus (December 4, 2012) <1/4>								
				(Data sumi	marized on January 16)				
Place of Sampling	Evaporative Concentration Apparatus Leakage Water								
Time of Sampling	10:23 Dec 05 2011								
Detected Nuclides (Half-life)	Radioactivity density (Bq/L)	Radioactivity density (Bq/L)	Radioactivity density (Bq/L)	Radioactivity density (Bq/L)					
l-131 (about 8 days)	ND								
Cs-134 (about 2 years)	12,000								
Cs-137 (about 30 years)	15,000								
Sr-89 (about 51 days)	49,000,000								
Sr-90 (about 29 years)	110,000,000								
all β	250,000,000								

"ND" means the sampled data is below measurable limit. The detection limit is as follow: I-131: approx. 94,000Bq/L

Please note that this nuclide is sometimes detected even when it is below the limit, contingent on the detector or sample.

* Analyses of Sr-89 and Sr-90 were conducted by Japan Chemical Analysis Center.

Fukushima Daiichi	Result of Nuclide Analysis on Water Leakage from Evaporative Concentration Apparatus (December 4, 2012) <2								4> Reference 2		
								(Data sum	marized on January 16)		
Place of Sampling	Around South Discharge Channel of 1F (appox. 330m south of 1-4u Discharge Channel)								Density limit by the announcement of Reactor Regulation (Bq/L)		
Time of Sampling	10:35 Dec 0	5 2011	08:20 Dec 1	0 2011	08:20 Dec 1	7 2011	08:10 Dec 2	24 2011	(the density limit in the water outside of		
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 (/)	surrounding monitored areas in the section 6 of the appendix 2)		
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40		
Cs-134 (about 2 years)	4.8	0.08	1.7	0.03	1.3	0.02	1.2	0.02	60		
Cs-137 (about 30 years)	6.2	0.07	2.3	0.03	1.8	0.02	2.5	0.03	90		
Sr-89 (about 51 days)	140	0.47	2.5	0.01	-	-	-	-	300		
Sr-90 (about 29 years)	400	13	9.6	0.32	-	-	-	-	30		
all β	780	-	32	-	28	-	35	-	-		

* 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.

* Results of I-131, Cs-134 and Cs-137 sampled on December 10, 17 and 24 were announced on December 11, 18 and 25. Result of all β sampled on December 10 was announced on December 17.

* "ND" means the sampled data is below measurable limit. The detection limit is as follow:

I-131: approx. 26Bq/L

Please note that this nuclide is sometimes detected even when it is below the limit, contingent on the detector or sample.

* Analyses of Sr-89 and Sr-90 were conducted by Japan Chemical Analysis Center.

* "-" means N/A.

Fukushima Daiichi	Result of Nuclic	le Analysis o	on Water Leakage	e from Evap	orative Concentra	ation Appara	atus (December 4	, 2012) <3/4	4> Reference 3
								(Data sum	marized on January 16)
Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)		15 km offshore of Fukushima Daiichi Upper Layer		15 km offshore of Fukushima Daini Upper Layer				Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	08:45 Dec 1	0 2011	09:00 Dec 1	0 2011	08:10 Dec 1	0 2011			(the density limit in the water outside of
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 (/)	areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	3.5	0.06	ND	-	ND	-			60
Cs-137 (about 30 years)	4.1	0.05	ND	-	ND	-			90
Sr-89 (about 51 days)	1.2	0.00	ND	-	ND	-			300
Sr-90 (about 29 years)	3.9	0.13	0.063	0.00	0.016	0.00			30
all β	25	-	ND	-	ND	-			-

* 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.

* Results of I-131, Cs-134 and Cs-137 were announced on December 11 and 12. Result of all β was announced on December 17.

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

I-131: approx. 0.83Bq/L Cs-134: approx. 0.97Bq/L Cs-137: approx. 1.0Bq/L Sr-89: approx. 0.03Bq/L all β: approx. 21Bq/L

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

* Analyses of Sr-89 and Sr-90 were conducted by Japan Chemical Analysis Center.

Fukushima Daiichi	Result of Nuclide Analysis on Water Leakage from Evaporative Concentration Apparatus (December 4, 2012) <4/2								4> Reference 4	
								(Data sum	marized on January 16)	
Place of Sampling	3km offshore o gawa Upper la	of Ukedo- 1 ayer	3km offshore of Daiich Upper la	Fukushima ni ayer	3km offshore of Dain Upper la	Fukushima i ayer	8km offshore of Daiich Upper la	Fukushima ni ayer	Density limit by the announcement of Reactor Regulation (Bq/L)	
Time of Sampling	10:40 Dec 1	0 2011	11:00 Dec 1	0 2011	11:45 Dec 1	10 2011	11:15 Dec 1	0 2011 (the density limit in water outside o		
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 (/)	areas in the section 6 of the appendix 2)	
l-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	-	0.050	0.00	ND	-	ND	-	300	
Sr-90 (about 29 years)	0.077	0.00	0.13	0.00	0.13	0.00	0.038	0.00	30	
all β	ND	-	ND	-	ND	-	ND	-	-	

* 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.

* Results of I-131, Cs-134 and Cs-137 sampled on December 10 were announced on December 12. Result of all β sampled on December 10 was announced on December 17.

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

I-131: approx. 0.59Bq/L Cs-134: approx. 0.85Bq/L Cs-137: approx. 1.0Bq/L Sr-89: approx. 0.04Bq/L all β: approx. 21Bq/L

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

* Analyses of Sr-89 and Sr-90 were conducted by Japan Chemical Analysis Center.