

Fukushima Daiichi Unit 1 Results of nuclide analysis of accumulated water in the basement floor of turbine building

(Re-evaluation) (Provided for reference on March 25th) (Reason for change) *

Place of sampling	Fukushima Daiichi Unit 1 accumulated water in the basement floor of turbine building (1st sampling)	Fukushima Daiichi Unit 1 accumulated water in the basement floor of turbine building (1st sampling)	-
Date of sampling	2011/3/24	2011/3/24	-
Detected nuclide (half-life)	Density of sample (Bq/cm ³)	Density of sample (Bq/cm ³)	-
Cl-38 (approx. 37 minutes)	Below minimum detectable density	1.6×10^6	
As-74 (approx. 18 days)	Below minimum detectable density	3.9×10^2	
Y-91 (approx. 59 days)	5.2×10^4	5.2×10^4	-
I-131 (approx. 8 days)	2.1×10^5	2.1×10^5	-
Cs-134 (approx. 2 years)	1.6×10^5	1.6×10^5	-
Cs-136 (approx. 13 days)	1.7×10^4	1.7×10^4	-
Cs-137 (approx. 30 years)	1.8×10^5	1.8×10^6	
La-140 (approx. 2 days)	3.0×10^2	3.4×10^2	

*In accordance with the preventive measures, Identification and determination of radioactivity density were conducted based on main peaks, Evaluation of radioactivity density were re-evaluated based on radiative balance. Furthermore, Transcription error has been amended.

Fukushima Daiichi Unit 1 Results of nuclide analysis of accumulated water in the basement floor of turbine building

(Re-evaluation) (Provided for reference on March 27th) (Reason for change) *

Place of sampling	Fukushima Daiichi Unit 1 accumulated water in the basement floor of turbine building (2nd sampling)	Fukushima Daiichi Unit 1 accumulated water in the basement floor of turbine building (2nd sampling)	-
Date of sampling	2011/3/26	2011/3/26	-
Detected nuclide (half-life)	Density of sample (Bq/cm ³)	Density of sample (Bq/cm ³)	-
I-131 (approx. 8 days)	1.5 × 10 ⁵	1.5 × 10 ⁵	-
Cs-134 (approx. 2 years)	1.2 × 10 ⁵	1.2 × 10 ⁵	-
Cs-136 (approx. 13 days)	1.1 × 10 ⁴	1.1 × 10 ⁴	-
Cs-137 (approx. 30 years)	1.3 × 10 ⁵	1.3 × 10 ⁵	-

*In accordance with the preventive measures, Identification and determination of radioactivity density were conducted based on main peaks, Evaluation of radioactivity density were re-evaluated based on radiative balance. Furthermore, Transcription error has been amended.

Fukushima Daiichi Unit 2 Results of nuclide analysis of accumulated water in the basement floor of turbine building

(Re-evaluation)

(Announced on March
27th)

(Reason for change) *

Place of sampling	Fukushima Daiichi Unit 2 accumulated water in the basement floor of turbine building (re-evaluation)	Fukushima Daiichi Unit 2 accumulated water in the basement floor of turbine building (re-evaluation)	-
Date of sampling	2011/3/26	2011/3/26	-
Detected nuclide (half-life)	Density of sample (Bq/cm ³)	Density of sample (Bq/cm ³)	-
Tc-99m (approx. 6 hours)	3.0×10^4	8.7×10^4	-
I-131 (approx. 8 days)	1.3×10^7	1.3×10^7	-
Cs-134 (approx. 2 years)	2.3×10^6	2.3×10^6	-
Cs-136 (approx. 13 days)	2.5×10^5	2.5×10^5	-
Cs-137 (approx. 30 years)	2.3×10^6	2.3×10^6	-
Ba-140 (approx. 13 days)	4.9×10^5	4.9×10^5	-
La-140 (approx. 2 days)	1.9×10^5	1.9×10^5	-

*In accordance with the preventive measures, Identification and determination of radioactivity density were conducted based on main peaks, Evaluation of radioactivity density were re-evaluated based on radiative balance. Furthermore, Transcription error has been amended.

Fukushima Daiichi Unit 2 Results of nuclide analysis of accumulated water in the basement floor of turbine building

(Re-evaluation) (Announced on March 27th) (Reason for change) *

Place of sampling	Fukushima Daiichi Unit 2 accumulated water in the basement floor of turbine building (re-measured)	Fukushima Daiichi Unit 2 accumulated water in the basement floor of turbine building (re-measured)	-
Date of sampling	2011/3/26	2011/3/26	-
Detected nuclide (half-life)	Density of sample (Bq/cm ³)	Density of sample (Bq/cm ³)	-
Tc-99m (approx. 6 hours)	2.5×10^4	4.8×10^5	
I-131 (approx. 8 days)	1.3×10^7	1.3×10^7	-
Cs-134 (approx. 2 years)	2.2×10^6	2.2×10^6	-
Cs-136 (approx. 13 days)	2.5×10^5	2.5×10^5	-
Cs-137 (approx. 30 years)	2.2×10^6	2.2×10^6	-
Ba-140 (approx. 13 days)	4.9×10^5	4.9×10^5	-
La-140 (approx. 2 days)	1.8×10^5	1.8×10^5	-

*In accordance with the preventive measures, Identification and determination of radioactivity density were conducted based on main peaks, Evaluation of radioactivity density were re-evaluated based on radiative balance. Furthermore, Transcription error has been amended.

Fukushima Daiichi Unit 2 Results of nuclide analysis of accumulated water in the basement floor of turbine building

(Re-evaluation)

(Announced on March 27th)

(Reason for change) *

Place of sampling	Fukushima Daiichi Unit 2 accumulated water in the basement floor of turbine building (re-measured)	Fukushima Daiichi Unit 2 accumulated water in the basement floor of turbine building (re-measured)	-
Date of sampling	2011/3/27	2011/3/27	-
Detected nuclide (half-life)	Density of sample (Bq/cm ³)	Density of sample (Bq/cm ³)	-
I-131 (approx. 8 days)	1.3×10^7	1.3×10^7	-
Cs-134 (approx. 2 years)	3.1×10^6	3.1×10^6	-
Cs-136 (approx. 13 days)	3.2×10^5	3.2×10^5	-
Cs-137 (approx. 30 years)	3.0×10^6	3.0×10^6	-
Ba-140 (approx. 13 days)	6.8×10^5	6.8×10^5	-
La-140 (approx. 2 days)	3.4×10^5	3.4×10^5	-

*In accordance with the preventive measures, Identification and determination of radioactivity density were conducted based on main peaks, Evaluation of radioactivity density were re-evaluated based on radiative balance. Furthermore, Transcription error has been amended.

Fukushima Daiichi Unit 3 Results of nuclide analysis of accumulated water in the basement floor of turbine building

(Re-evaluation) (Announced on March 25th) (Reason for change) *

Place of sampling	Fukushima Daiichi Unit 3 accumulated water in the basement floor of turbine building	Fukushima Daiichi Unit 3 accumulated water in the basement floor of turbine building	-
Date of sampling	2011/3/24	2011/3/24	-
Detected nuclide (half-life)	Density of sample (Bq/cm ³)	Density of sample (Bq/cm ³)	-
Co-60 (approx. 5 years)	Below minimum detectable density	approx. 7.0×10^2	
Tc-99m (approx. 6 hours)	2.0×10^3	approx. 2.5×10^3	
I-131 (approx. 8 days)	1.2×10^6	approx. 1.2×10^6	-
Cs-134 (approx. 2 years)	1.8×10^5	approx. 1.8×10^5	-
Cs-136 (approx. 13 days)	2.3×10^4	approx. 2.3×10^4	-
Cs-137 (approx. 30 years)	1.8×10^5	approx. 1.8×10^5	-
Ba-140 (approx. 13 days)	5.2×10^4	approx. 5.2×10^4	-
La-140 (approx. 2 days)	9.1×10^3	approx. 9.4×10^3	
Ce-144 (approx. 284 days)	Below minimum detectable density	approx. 2.2×10^6	

*In accordance with the preventive measures, Identification and determination of radioactivity density were conducted based on main peaks, Evaluation of radioactivity density were re-evaluated based on radiative balance. Furthermore, Transcription error has been amended.

* " approx. " in the density of sample have been deleted from consistency perspective.

Fukushima Daiichi Unit 3 Results of nuclide analysis of accumulated water in the basement floor of turbine building

(Re-evaluation) (Provided for reference on March 27th) (Reason for change) *

	(Re-evaluation)	(Provided for reference on March 27th)	(Reason for change) *
Place of sampling	Fukushima Daiichi Unit 3 accumulated water in the basement floor of turbine building (2nd sampling)	Fukushima Daiichi Unit 3 accumulated water in the basement floor of turbine building (2nd sampling)	-
Date of sampling	2011/3/26	2011/3/26	-
Detected nuclide (half-life)	Density of sample (Bq/cm ³)	Density of sample (Bq/cm ³)	-
Co-60 (approx. 5 years)	Below minimum detectable density	2.7×10^2	
Tc-99m (approx. 6 hours)	6.8×10^2	2.2×10^3	
I-131 (approx. 8 days)	3.2×10^5	3.2×10^5	-
Cs-134 (approx. 2 years)	5.5×10^4	5.5×10^4	-
Cs-136 (approx. 13 days)	6.5×10^3	6.5×10^3	-
Cs-137 (approx. 30 years)	5.6×10^4	5.6×10^4	-
Ba-140 (approx. 13 days)	1.9×10^4	1.9×10^4	-
La-140 (approx. 2 days)	3.1×10^3	3.1×10^3	-

*In accordance with the preventive measures, Identification and determination of radioactivity density were conducted based on main peaks, Evaluation of radioactivity density were re-evaluated based on radiative balance. Furthermore, Transcription error has been amended.

Fukushima Daiichi Unit 4 Results of nuclide analysis of accumulated water in the basement floor of turbine building

(Re-evaluation) (Provided for reference on March 27th) (Reason for change) *

Place of sampling	Fukushima Daiichi Unit 4 accumulated water in the basement floor of turbine building	Fukushima Daiichi Unit 4 accumulated water in the basement floor of turbine building	-
Date of sampling	2011/3/24	2011/3/24	-
Detected nuclide (half-life)	Density of sample (Bq/cm ³)	Density of sample (Bq/cm ³)	-
Co-58 (approx. 71 days)	Below minimum detectable density	2.7×10^{-1}	
Mo-99 (approx. 66 hours)	1.0×10^0	1.0×10^0	-
Tc-99m (approx. 6 hours)	6.5×10^{-1}	6.5×10^{-1}	-
Ru-106 (approx. 370 days)	Below minimum detectable density	3.3×10^0	
Te-129 (approx. 70 minutes)	Below minimum detectable density	2.6×10^1	
Te-129m (approx. 34 days)	1.3×10^1	1.3×10^1	-
I-131 (approx. 8 days)	3.6×10^2	3.6×10^2	-
I-132 (approx. 2 hours)	1.3×10^1	1.3×10^1	-
Te-132 (approx. 3 days)	1.4×10^1	1.4×10^1	-
Cs-134 (approx. 2 years)	3.1×10^1	3.1×10^1	-
Cs-136 (approx. 13 days)	3.7×10^0	3.7×10^0	-
Cs-137 (approx. 30 years)	3.2×10^1	3.2×10^1	-
La-140 (approx. 2 days)	4.1×10^{-1}	7.4×10^{-1}	,

*In accordance with the preventive measures, Identification and determination of radioactivity density were conducted based on main peaks, Evaluation of radioactivity density were re-evaluated based on radiative balance. Furthermore, Transcription error has been amended.