< Reference >
March 27, 2012
Tokyo Electric Power Company

Nuclides analysis result of aerial radioactive substances at openings of the building, 1F <1/7>

Reference

(Data summarized on March 27)

Place of Sampling	Opening of Process Main Building (east side)		Openings of Incineration Work Building (Southeast side)		Openings of Site Bunker Building (large equipments gate)		②Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	18-Mar-12 10:32 am～11:32 am		18-Mar-12 10:32 am～11:32 am		18-Mar-12 10:25 am～11:25 am		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	9.9E-06	0.00	1.8E-05	0.01	1.5E-05	0.01	3E-03

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density

0.0E－0 means 0.0 x 10-0

Data of other nuclides are under examination.

* 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.
The followings show the detection limits. Volatile: I-131: approx. 5E-6Bq/cm3, Cs-134: approx. 1E-5Bq/cm3, Cs-137: approx. 2E-5Bq/cm3 Particulate: I-131: approx. 3E-6Bq/cm3, Cs-134: approx. 8E-6Bq/cm3, Cs-137: approx. 9E-6Bq/cm3
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Nuclides analysis result of aerial radioactive substances at openings of the building, 1F <2/7>

Reference

(Data summarized on March 27)

Place of Sampling	Opening of Misc Solid Waste Volume Reduction Building (Northeast side)		Opening of Process Main Building (decontamination apparatus room)		Opening of Process Main Building (decontamination apparatus room)		②Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	18-Mar-12 10:25 am～11:25 am		18-Mar-12 10:40 am～11:40 am		19-Mar-12 1:36 pm～2:36 pm		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	1.4E-05	0.01	5.9E-04	0.30	4.6E-04	0.23	2E-03
Cs-137 (about 30 years)	3.2E-05	0.01	8.1E-04	0.27	6.6E-04	0.22	3E-03

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density

  0.0E−0 means 0.0 x 10-0

  Data of other nuclides are under examination.

* 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.
  The followings show the detection limits. Volatile: I-131: approx. 5E-6Bq/cm3, Cs-134: approx. 1E-5Bq/cm3
Particulate: I-131: approx. 7E-6Bq/cm3, Cs-134: approx. 8E-6Bq/cm3
  Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Nuclides analysis result of aerial radioactive substances at openings of the building, 1F <3/7>

Reference

(Data summarized on March 27)

Place of Sampling	Opening of Process Main Building (decontamination apparatus room)		Exhaust Facility for Granulated Solidification Storage (exhaust side)		Exhaust Facility for Granulated Solidification Storage (exhaust side)		②Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	23-Mar-12 10:10 am～11:10 am		18-Mar-12 10:45 am～10:55 am		19-Mar-12 1:40 pm～1:50 pm		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	4.1E-04	0.21	1.2E-05	0.01	1.0E-05	0.01	2E-03
Cs-137 (about 30 years)	6.0E-04	0.20	1.6E-05	0.01	2.6E-05	0.01	3E-03

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density

  0.0E−0 means 0.0 x 10-0

  Data of other nuclides are under examination.

* 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.
  The followings show the detection limits. Volatile: I-131: approx. 5E-6Bq/cm3, Cs-134: approx. 1E-5Bq/cm3, Cs-137: approx. 1E-5Bq/cm3 Particulate: I-131: approx. 6E-6Bq/cm3
  Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Nuclides analysis result of aerial radioactive substances at openings of the building, 1F <4/7>

Reference

(Data summarized on March 27)

Place of Sampling	Exhaust Facility for Granulated Solidification Storage (exhaust side)		Exhaust Facility for Granulated Solidification Storage (exhaust side)		Waste Treatment Building, Unit 1 (west side)		②Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	20-Mar-12 11:50 am～12:00 pm		23-Mar-12 10:20 am～10:30 am		18-Mar-12 8:55 am～9:55 am		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	3E-03

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density

0.0E−0 means 0.0 x 10-0

Data of other nuclides are under examination.

* 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.
The followings show the detection limits. Volatile: I-131: approx. 5E-6Bq/cm3, Cs-134: approx. 1E-5Bq/cm3, Cs-137: approx. 2E-5Bq/cm3 Particulate: I-131: approx. 3E-6Bq/cm3, Cs-134: approx. 8E-6Bq/cm3, Cs-137: approx. 9E-6Bq/cm3
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Nuclides analysis result of aerial radioactive substances at openings of the building, 1F <5/7>

Reference

(Data summarized on March 27)

Place of Sampling	Waste Treatment Building, Unit 2 (west side)		Waste Treatment Building, Unit 4 (northwest side)		Opening of R/B, Unit 4 (large equipment gate)		②Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	18-Mar-12 8:55 am～9:55 am		18-Mar-12 8:45 am～9:45 am		18-Mar-12 8:45 am～9:45 am		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	2.0E-05	0.01	ND	-	3E-03

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density

0.0E－0 means 0.0 x 10-0

Data of other nuclides are under examination.

* 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.
The followings show the detection limits. Volatile: I-131: approx. 5E-6Bq/cm3, Cs-134: approx. 1E-5Bq/cm3, Cs-137: approx. 2E-5Bq/cm3 Particulate: I-131: approx. 3E-6Bq/cm3, Cs-134: approx. 8E-6Bq/cm3, Cs-137: approx. 9E-6Bq/cm3
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Nuclides analysis result of aerial radioactive substances at openings of the building, 1F <6/7>

Reference

(Data summarized on March 27)

Place of Sampling	Opening of T/B, Unit 1 (large equipment gate)		Opening of T/B, Unit 2 (large equipment gate)		Opening of T/B, Unit 3 (large equipment gate)		②Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	18-Mar-12 12:08 pm～1:08 pm		18-Mar-12 12:08 pm～1:08 pm		18-Mar-12 12:03 pm～1:03 pm		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	1.0E-05	0.00	1.5E-05	0.01	3E-03

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density

0.0E−0 means 0.0 x 10-0

Data of other nuclides are under examination.

* 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.
The followings show the detection limits. Volatile: I-131: approx. 6E-6Bq/cm3, Cs-134: approx. 1E-5Bq/cm3, Cs-137: approx. 2E-5Bq/cm3 Particulate: I-131: approx. 4E-6Bq/cm3, Cs-134: approx. 8E-6Bq/cm3, Cs-137: approx. 9E-6Bq/cm3
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Nuclides analysis result of aerial radioactive substances at openings of the building, 1F <7/7>

Reference

(Data summarized on March 27)

Place of Sampling	Opening of T/B, Unit 4 (large equipment gate)						②Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	18-Mar-12 12:03 pm～1:03 pm						
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-					1E-03
Cs-134 (about 2 years)	ND	-					2E-03
Cs-137 (about 30 years)	ND	-					3E-03

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density

  0.0E－0 means 0.0 x 10-0

  Data of other nuclides are under examination.

* 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.
  The followings show the detection limits. Volatile: I-131: approx. 5E-6Bq/cm3, Cs-134: approx. 1E-5Bq/cm3, Cs-137: approx. 2E-5Bq/cm3 Particulate: I-131: approx. 4E-6Bq/cm3, Cs-134: approx. 8E-6Bq/cm3, Cs-137: approx. 9E-6Bq/cm3
  Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.