September 27, 2012
Tokyo Electric Power Company

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS＜1/6＞

(Data summarized on September 27)

Place of Sampling	Process Main Building Opening (East Side)		Incineration Workshop Building Opening (Southeast Side)		On-site Bunker Building Opening (Large Equipment Hatch)		② Density Limit Specified by the Reactor Regulation (Bq/cm^3) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	September 23, 2012 10:43 AM - 11:43 AM		September 23, 2012 10:43 AM - 11:43 AM		September 23, 2012 10:33 AM - 11:33 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (Approx. 30 years)	ND	-	ND	-	ND	-	3E-03

* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

O.OE－O is the same as O.O x 10^{-O}

Data of other nuclides is under examination.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Volatile I-131: Approx. 5E-6Bq/cm^3, Cs-134: Approx. 1E-5Bq/cm^3, Cs-137: Approx. 1E-5Bq/cm^3

Particulate I-131: Approx. 3E-6Bq/cm^3, Cs-134: Approx. 7E-6Bq/cm^3, Cs-137: Approx. 8E-6Bq/cm^3

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS＜2/6＞

(Data summarized on September 27)

Place of Sampling	Miscellaneous Solid Waste Volume Reduction Treatment Building Opening (Northeast Side)		Unit 1 Waste Treatment Building (West Side Opening)		Unit 2 Waste Treatment Building (West Side Opening)		② Density Limit Specified by the Reactor Regulation (Bq/cm^3) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	September 23, 2012 10:33 AM - 11:33 AM		September 23, 2012 8:50 AM - 9:50 AM		September 23, 2012 8:50 AM - 9:50 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (Approx. 30 years)	ND	-	ND	-	ND	-	3E-03

* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

O.OE－O is the same as O.O x 10^{-O}

Data of other nuclides is under examination.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Volatile I-131: Approx. 5E-6Bq/cm^3, Cs-134: Approx. 1E-5Bq/cm^3, Cs-137: Approx. 1E-5Bq/cm^3

Particulate I-131: Approx. 3E-6Bq/cm^3, Cs-134: Approx. 7E-6Bq/cm^3, Cs-137: Approx. 8E-6Bq/cm^3

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS＜3/6＞

(Data summarized on September 27)

Place of Sampling	Unit 4 Waste Treatment Building (Northwest Side Opening)		Unit 4 Reactor Building Opening (Large Equipment Hatch)		Unit 1 Turbine Building Opening (Large Equipment Hatch)		② Density Limit Specified by the Reactor Regulation (Bq/cm^3) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	September 23, 2012 9:00 AM - 10:00 AM		September 23, 2012 9:00 AM - 10:00 AM		September 23, 2012 12:41 PM - 1:41 PM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (Approx. 30 years)	ND	-	ND	-	ND	-	3E-03

* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

O.OE－O is the same as O.O x 10^{-O}

Data of other nuclides is under examination.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Volatile I-131: Approx. 5E-6Bq/cm^3, Cs-134: Approx. 1E-5Bq/cm^3, Cs-137: Approx. 1E-5Bq/cm^3

Particulate I-131: Approx. 3E-6Bq/cm^3, Cs-134: Approx. 7E-6Bq/cm^3, Cs-137: Approx. 8E-6Bq/cm^3

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS＜4/6＞

(Data summarized on September 27)

Place of Sampling	Unit 2 Turbine Building Opening (Large Equipment Hatch)		Unit 3 Turbine Building Opening (Large Equipment Hatch)		Unit 4 Turbine Building Opening (Large Equipment Hatch)		② Density Limit Specified by the Reactor Regulation (Bq/cm^3) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	September 23, 2012 12:41 PM - 1: 41 PM		September 23, 2012 12:31 PM - 1:31 PM		September 23, 2012 12:31 PM - 1:31 PM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (Approx. 30 years)	ND	-	ND	-	ND	-	3E-03

* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

O.OE－O is the same as O.O x 10^{-O}

Data of other nuclides is under examination.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Volatile I-131: Approx. 5E-6Bq/cm^3, Cs-134: Approx. 1E-5Bq/cm^3, Cs-137: Approx. 1E-5Bq/cm^3

Particulate I-131: Approx. 3E-6Bq/cm^3, Cs-134: Approx. 7E-6Bq/cm^3, Cs-137: Approx. 8E-6Bq/cm^3

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS＜5/6＞

(Data summarized on September 27)

Place of Sampling	Process Main Building Opening (Decontamination Equipment Room)		Exhaust Facility of Granular Solid Strage (Outlet)		Exhaust Facility of Granular Solid Strage (Outlet)		② Density Limit Specified by the Reactor Regulation (Bq/cm^3) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	September 23, 2012 10:38 AM - 11:38 AM		September 24, 2012 9:45 AM - 9:55 AM		September 25, 2012 9:40 AM - 9:50 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	1.1E-05	0.01	4.1E-04	0.21	4.0E-04	0.20	2E-03
Cs-137 (Approx. 30 years)	2.0E-05	0.01	6.4E-04	0.21	6.5E-04	0.22	3E-03

* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

O.OE－O is the same as O.O x 10^{-O}

Data of other nuclides is under examination.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Volatile I-131: Approx. 5E-6Bq/cm^3, Cs-134: Approx. 1E-5Bq/cm^3, Cs-137: Approx. 1E-5Bq/cm^3

Particulate I-131: Approx. 5E-6Bq/cm^3

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS＜6/6＞

(Data summarized on September 27)

Place of Sampling	Exhaust Facility of Granular Solid Strage (Outlet)						② Density Limit Specified by the Reactor Regulation (Bq/cm^3) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	September 25, 2012 2:35 PM - 2:45 PM						
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-					1E-03
Cs-134 (Approx. 2 years)	ND	-					2E-03
Cs-137 (Approx. 30 years)	ND	-					3E-03

* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

O.OE－O is the same as O.O x 10^{-O}

Data of other nuclides is under examination.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Volatile I-131: Approx. 3E-6Bq/cm^3, Cs-134: Approx. 6E-6Bq/cm^3, Cs-137: Approx. 8E-6Bq/cm^3

Particulate I-131: Approx. 2E-6Bq/cm^3, Cs-134: Approx. 4E-6Bq/cm^3, Cs-137: Approx. 4E-6Bq/cm^3

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.