<Reference>
September 30, 2013
Tokyo Electric Power Company

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS <1/5>

(Data summarized on September 30)

Place of Sampling	Unit 4 Reactor Building Opening (Large Equipment Hatch)		Unit 1 Turbine Building Opening (Large Equipment Hatch)		Unit 2 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	Sep 18, 2013 2:55 PM - 3:55 PM		Sep 23, 2013 10:57 AM - 11:57 AM		Sep 23, 2013 10:57 AM - 11:57 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	-	9.3E-06	0.00	ND	-	2E-03
Cs-137 (Approx. 30 years)	ND	-	1.7E-05	0.01	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.

* "ND" indicates that the measurement result is below the detection limit.
The detection limits are as follows.
Volatile; I-131: Approx.4E-6Bq/cm^3, Cs-134: Approx. 9E-6Bq/cm^3, Cs-137: Approx: 1E-5Bq/cm^3
Particulate; I-131: Approx. 2E-6Bq/cm^3, Cs-134: Approx. 6E-6Bq/cm^3, Cs-137: Approx. 7E-6Bq/cm^3
As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limt are detected.

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS <2/5>

(Data summarized on September 30)

Place of Sampling	Unit 3 Turbine Building Opening (Large Equipment Hatch)		Unit 4 Turbine Building Opening (Large Equipment Hatch)		Unit 1 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	Sep 23, 2013 10:57 AM - 11:57 AM		Sep 23, 2013 10:57 AM - 11:57 AM		Sep 23, 2013 8:55 AM - 9:55 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.

* "ND" indicates that the measurement result is below the detection limit.

The detection limits are as follows.

Volatile; I-131: Approx.5E-6Bq/cm^3, Cs-134: Approx. 9E-6Bq/cm^3, Cs-137: Approx: 1E-5Bq/cm^3

Particulate; I-131: Approx. 2E-6Bq/cm^3, Cs-134: Approx. 5E-6Bq/cm^3, Cs-137: Approx. 7E-6Bq/cm^3

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

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS <3/5>

(Data summarized on September 30)

Place of Sampling	Unit 2 Waste Treatment Building (West Side Opening)		Unit 3 Waste Treatment Building (West Side Opening)		Unit 4 Waste Treatment Building (Northwest 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	Sep 23, 2013 8:55 AM - 9:55 AM		Sep 5, 2013 10:23 AM - 11:23 AM		Sep 18, 2013 2:55 PM - 3:55 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.

* "ND" indicates that the measurement result is below the detection limit.

The detection limits are as follows.

Volatile; I-131: Approx.5E-6Bq/cm^3, Cs-134: Approx. 9E-6Bq/cm^3, Cs-137: Approx: 1E-5Bq/cm^3

Particulate; I-131: Approx. 3E-6Bq/cm^3, Cs-134: Approx. 5E-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 limt are detected.

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS <4/5>

(Data summarized on September 30)

Place of Sampling	Process Main Building (East side opening)		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	Sep 23, 2013 10:57 AM - 11:57 AM		Sep 23, 2013 9:05 AM - 10:05 AM		Sep 23, 2013 9:05 AM - 10:05 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.

* "ND" indicates that the measurement result is below the detection limit.

The detection limits are as follows.

Volatile; I-131: Approx.5E-6Bq/cm^3, Cs-134: Approx. 9E-6Bq/cm^3, Cs-137: Approx: 1E-5Bq/cm^3

Particulate; I-131: Approx. 2E-6Bq/cm^3, Cs-134: Approx. 5E-6Bq/cm^3, Cs-137: Approx. 7E-6Bq/cm^3

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

Reference

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

(Data summarized on September 30)

Place of Sampling	Miscellaneous Solid Waste Volume Reduction Treatment Building Opening (Northeast Side)		Process Main Building Opening (Decontamination Equipment Room)		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	Sep 23, 2013 9:05 AM - 10:05 AM		Sep 9, 2013 11:23 AM - 12:23 PM		Sep 9, 2013 11:32 AM - 11:42 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)	1.0E-05	0.01	1.3E-04	0.07	ND	-	2E-03
Cs-137 (Approx. 30 years)	2.0E-05	0.01	2.9E-04	0.10	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.

* "ND" indicates that the measurement result is below the detection limit.

  The detection limits are as follows.

  Volatile; I-131: Approx.4E-6Bq/cm^3, Cs-134: Approx. 9E-6Bq/cm^3, Cs-137: Approx: 1E-5Bq/cm^3

  Particulate; I-131: Approx. 4E-6Bq/cm^3, Cs-134: Approx. 3E-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 limt are detected.