<Reference>
August 28, 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 <1/4>

(Data summarized on August 28)

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	Aug 18, 2013 9:20 AM - 10:20 AM		Aug 18, 2013 11:12 AM - 12:12 PM		Aug 18, 2013 11:12 AM - 12:12 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.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. 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 <2/4>

(Data summarized on August 28)

Place of Sampling	Unit 3 Turbine Building Opening (Large Equipment Hatch)		Unit 4 Turbine Building Opening (Large Equipment Hatch)		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	Aug 22, 2013 2:48 PM - 3:48 PM		Aug 22, 2013 2:48 PM - 3:48 PM		Aug 18, 2013 9:20 AM - 10:20 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)	1.1E-05	0.00	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. 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 <3/4>

(Data summarized on August 28)

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	Aug 18, 2013 9:15 AM - 10:15 AM		Aug 18, 2013 9:15 AM - 10:15 AM		Aug 18, 2013 11:07 AM - 12:07 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. 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 <4/4>

(Data summarized on August 28)

Place of Sampling	Miscellaneous Solid Waste Volume Reduction Treatment Building Opening (Northeast Side)						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	Aug 18, 2013 9:20 AM - 10:20 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	-					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.

* "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. 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.