<Reference>
June 20, 2014
Tokyo Electric Power Company

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<1/9>

Reference

(Data summarized on June 20)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of North Stairs)		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	May 02, 2014 8:02 AM - May 03, 2014 9:10 AM		May 02, 2014 8:04 AM - May 03, 2014 9:11 AM		May 02, 2014 8:00 AM - May 03, 2014 9:08 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

* This analysis is the result of nuclide analysis of radioactive materials in the air at the time of handling fuels.
* 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. 3E-8Bq/cm^3, Cs-134: Approx.6E-8Bq/cm^3, Cs-137: Approx.1E-7Bq/cm^3 Particulate: I-131: Approx. 2E-8Bq/cm^3, Cs-134: Approx.4E-8Bq/cm^3, Cs-137: Approx.5E-8Bq/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.

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<2/9>

Reference

(Data summarized on June 20)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of North Stairs)		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	May 05, 2014 8:02 AM - May 06, 2014 9:21 AM		May 05, 2014 8:05 AM - May 06, 2014 9:22 AM		May 05, 2014 8:00 AM - May 06, 2014 9:19 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)	3.5E-08	0.00	5.9E-08	0.00	2.7E-08	0.00	3E-03

* This analysis is the result of nuclide analysis of radioactive materials in the air at the time of handling fuels.
* 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. 2E-8Bq/cm^3, Cs-134: Approx.3E-8Bq/cm^3, Cs-137: Approx.3E-8Bq/cm^3 Particulate: I-131: Approx. 2E-8Bq/cm^3, Cs-134: Approx.4E-8Bq/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.

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<3/9>

Reference

(Data summarized on June 20)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of North Stairs)		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	May 12, 2014 8:12 AM - May 13, 2014 9:04 AM		May 12, 2014 8:15 AM - May 13, 2014 9:07 AM		May 12, 2014 8:10 AM - May 13, 2014 9:02 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

* This analysis is the result of nuclide analysis of radioactive materials in the air at the time of handling fuels.
* 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-8Bq/cm^3, Cs-134: Approx.7E-8Bq/cm^3, Cs-137: Approx.1E-7Bq/cm^3 Particulate: I-131: Approx. 3E-8Bq/cm^3, Cs-134: Approx.4E-8Bq/cm^3, Cs-137: Approx.5E-8Bq/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.

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<4/9>

Reference

(Data summarized on June 20)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of North Stairs)		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	May 15, 2014 8:18 AM - May 16, 2014 9:05 AM		May 15, 2014 8:20 AM - May 16, 2014 9:03 AM		May 15, 2014 8:15 AM - May 16, 2014 9:01 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)	2.7E-08	0.00	ND	-	2.0E-08	0.00	3E-03

* This analysis is the result of nuclide analysis of radioactive materials in the air at the time of handling fuels.
* 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. 2E-8Bq/cm^3, Cs-134: Approx.3E-8Bq/cm^3, Cs-137: Approx.3E-8Bq/cm^3 Particulate: I-131: Approx. 2E-8Bq/cm^3, Cs-134: Approx.3E-8Bq/cm^3, Cs-137: Approx.5E-8Bq/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.

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<5/9>

Reference

(Data summarized on June 20)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of North Stairs)		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	May 18, 2014 8:07 AM - May 19, 2014 9:19 AM		May 18, 2014 8:04 AM - May 19, 2014 9:16 AM		May 18, 2014 8:01 AM - May 19, 2014 9:15 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	-	1.8E-08	0.00	ND	-	3E-03

* This analysis is the result of nuclide analysis of radioactive materials in the air at the time of handling fuels.
* 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. 2E-8Bq/cm^3, Cs-134: Approx.2E-8Bq/cm^3, Cs-137: Approx.3E-8Bq/cm^3 Particulate: I-131: Approx. 9E-9Bq/cm^3, Cs-134: Approx.2E-8Bq/cm^3, Cs-137: Approx.2E-8Bq/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.

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<6/9>

Reference

(Data summarized on June 20)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of North Stairs)		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	May 21, 2014 8:23 AM - May 22, 2014 9:02 AM		May 21, 2014 8:19 AM - May 22, 2014 9:03 AM		May 21, 2014 8:17 AM - May 22, 2014 9:01 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

* This analysis is the result of nuclide analysis of radioactive materials in the air at the time of handling fuels.
* 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-8Bq/cm^3, Cs-134: Approx.7E-8Bq/cm^3, Cs-137: Approx.9E-8Bq/cm^3 Particulate: I-131: Approx. 2E-8Bq/cm^3, Cs-134: Approx.4E-8Bq/cm^3, Cs-137: Approx.6E-8Bq/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.

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<7/9>

Reference

(Data summarized on June 20)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of North Stairs)		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	May 24, 2014 8:25 AM - May 25, 2014 9:06 AM		May 24, 2014 8:28 AM - May 25, 2014 9:08 AM		May 24, 2014 8:23 AM - May 25, 2014 9:04 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)	1.7E-08	0.00	ND	-	1.8E-08	0.00	3E-03

* This analysis is the result of nuclide analysis of radioactive materials in the air at the time of handling fuels.
* 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. 2E-8Bq/cm^3, Cs-134: Approx.4E-8Bq/cm^3, Cs-137: Approx.3E-8Bq/cm^3 Particulate: I-131: Approx. 1E-8Bq/cm^3, Cs-134: Approx.2E-8Bq/cm^3, Cs-137: Approx.2E-8Bq/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.

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<8/9>

Reference

(Data summarized on June 20)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of North Stairs)		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	May 27, 2014 8:02 AM - May 28, 2014 9:13 AM		May 27, 2014 8:03 AM - May 28, 2014 9:16 AM		May 27, 2014 8:01 AM - May 28, 2014 9:11 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)	1.9E-08	0.00	ND	-	ND	-	3E-03

* This analysis is the result of nuclide analysis of radioactive materials in the air at the time of handling fuels.
* 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. 2E-8Bq/cm^3, Cs-134: Approx.3E-8Bq/cm^3, Cs-137: Approx.3E-8Bq/cm^3 Particulate: I-131: Approx. 1E-8Bq/cm^3, Cs-134: Approx.2E-8Bq/cm^3, Cs-137: Approx.2E-8Bq/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.

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<9/9>

Reference

(Data summarized on June 20)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Fornt of North Stairs)		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	May 30, 2014 8:30 AM - May 31, 2014 9:11 AM		May 30, 2014 8:31 AM - May 31, 2014 9:08 AM		May 30, 2014 8:28 AM - May 31, 2014 9:06 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

* This analysis is the result of nuclide analysis of radioactive materials in the air at the time of handling fuels.
* 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-8Bq/cm^3, Cs-134: Approx.7E-8Bq/cm^3, Cs-137: Approx.1E-7Bq/cm^3 Particulate: I-131: Approx. 2E-8Bq/cm^3, Cs-134: Approx.4E-8Bq/cm^3, Cs-137: Approx.6E-8Bq/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.