<Reference>
February 19, 2014
Tokyo Electric Power Company

Reference

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

(Data summarized on February 19)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Front of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Front 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	Jan 11, 2014 8:18 AM – Jan 12, 2014 8:09 AM		Jan 11, 2014 8:20 AM – Jan 12, 2014 8:11 AM		Jan 11, 2014 8:15 AM – Jan 12, 2014 8:05 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

* This is the nuclides analysis result of the radioactive materials in the air during handling of fuel.
* 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. 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 limt are detected.

Reference

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

(Data summarized on February 19)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Front of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Front 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	Jan 15, 2014 8:37 AM – Jan 16, 2014 9:15 AM		Jan 15, 2014 8:40 AM – Jan 16, 2014 9:13 AM		Jan 15, 2014 8:35 AM – Jan 16, 2014 9:10 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)	4.2E-08	0.00	6.4E-08	0.00	5.4E-08	0.00	2E-03
Cs-137 (Approx. 30 years)	1.0E-07	0.00	2.0E-07	0.00	1.5E-07	0.00	3E-03

* This is the nuclides analysis result of the radioactive materials in the air during handling of fuel.
* 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
  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 Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS <3/6>

(Data summarized on February 19)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Front of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Front 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	Jan 19, 2014 8:12 AM – Jan 20, 2014 9:08 AM		Jan 19, 2014 8:08 AM – Jan 20, 2014 9:04 AM		Jan 19, 2014 8:04 AM – Jan 20, 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)	7.5E-08	0.00	ND	-	8.6E-08	0.00	3E-03

* This is the nuclides analysis result of the radioactive materials in the air during handling of fuel.
* 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. 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 limt are detected.

Reference

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

(Data summarized on February 19)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Front of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Front 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	Jan 23, 2014 8:18 AM – Jan 24, 2014 9:03 AM		Jan 23, 2014 8:20 AM – Jan 24, 2014 9:02 AM		Jan 23, 2014 8:16 AM – Jan 24, 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)	6.5E-08	0.00	ND	-	ND	-	3E-03

* This is the nuclides analysis result of the radioactive materials in the air during handling of fuel.
* 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. 6E-8Bq/cm^3, Cs-137: Approx. 9E-8Bq/cm^3
  Particulate; I-131: Approx. 3E-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 limt are detected.

Reference

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

(Data summarized on February 19)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Front of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Front 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	Jan 27, 2014 8:47 AM – Jan 28, 2014 9:08 AM		Jan 27, 2014 8:45 AM – Jan 28, 2014 9:05 AM		Jan 27, 2014 8:44 AM – Jan 28, 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 is the nuclides analysis result of the radioactive materials in the air during handling of fuel.
* 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. 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 limt are detected.

Reference

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

(Data summarized on February 19)

Place of Sampling	3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)		3rd Floor of Auxiliary Operation Shared Facility (In Front of South Stairs)		3rd Floor of Auxiliary Operation Shared Facility (In Front 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	Jan 31, 2014 8:10 AM – Feb 1, 2014 9:16 AM		Jan 31, 2014 8:12 AM – Feb 1, 2014 9:14 AM		Jan 31, 2014 8:08 AM – Feb 1, 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)	ND	-	5.4E-08	0.00	ND	-	3E-03

* This is the nuclides analysis result of the radioactive materials in the air during handling of fuel.
* 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. 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 limt are detected.