

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<1/11>

Reference

(Data summarized on March 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)		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	Feb 04, 2014 8:18 AM	~ Feb 05, 2014 9:37 AM	Feb 04, 2014 8:21 AM	~ Feb 05, 2014 9:38 AM	Feb 04, 2014 8:15 AM	~ Feb 05, 2014 9:34 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	
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)	7.1E-08	0.00	9.1E-08	0.00	8.9E-08	0.00	3E-03

*This is the measurement results of nuclides in the atmosphere when handling 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/cm³, Cs-134: Approx.7E-8Bq/cm³, Cs-137: Approx.1E-7Bq/cm³

Particulate: I-131: Approx. 2E-8Bq/cm³, Cs-134: Approx.4E-8Bq/cm³

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<2/11>

Reference

(Data summarized on March 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)		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	Feb 06, 2014 8:27 AM	Feb 07, 2014 8:16 AM	Feb 06, 2014 8:24 AM	Feb 07, 2014 8:18 AM	Feb 06, 2014 8:21 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	
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 measurement results of nuclides in the atmosphere when handling 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/cm³, Cs-134: Approx.7E-8Bq/cm³, Cs-137: Approx.1E-7Bq/cm³ Particulate: I-131: Approx. 2E-8Bq/cm³, Cs-134: Approx.4E-8Bq/cm³, Cs-137: Approx.6E-8Bq/cm³ 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<3/11>

Reference

(Data summarized on March 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)		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	Feb 07, 2014 ~ Feb 08, 2014	Feb 07, 2014 ~ Feb 08, 2014	Feb 07, 2014 ~ Feb 08, 2014	Feb 07, 2014 ~ Feb 08, 2014	Feb 07, 2014 ~ Feb 08, 2014	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	
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	-	5.9E-08	0.00	3E-03

*This is the measurement results of nuclides in the atmosphere when handling 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/cm³, Cs-134: Approx.7E-8Bq/cm³, Cs-137: Approx.1E-7Bq/cm³ Particulate: I-131: Approx. 3E-8Bq/cm³, Cs-134: Approx.4E-8Bq/cm³, Cs-137: Approx.6E-8Bq/cm³ 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<4/11>

Reference

(Data summarized on March 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)		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	Feb 08, 2014 8:15 AM	Feb 09, 2014 1:17 PM	Feb 08, 2014 8:20 AM	Feb 09, 2014 1:18 PM	Feb 08, 2014 8:11 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	
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)	8.8E-08	0.00	ND	-	ND	-	3E-03

*This is the measurement results of nuclides in the atmosphere when handling 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. 3E-8Bq/cm³, Cs-134: Approx.6E-8Bq/cm³, Cs-137: Approx.9E-8Bq/cm³ Particulate: I-131: Approx. 2E-8Bq/cm³, Cs-134: Approx.4E-8Bq/cm³, Cs-137: Approx.5E-8Bq/cm³ 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<5/11>

Reference

(Data summarized on March 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)		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	Feb 12, 2014 8:52 AM	Feb 13, 2014 9:17 AM	Feb 12, 2014 8:54 AM	Feb 13, 2014 9:19 AM	Feb 12, 2014 8:50 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	
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 measurement results of nuclides in the atmosphere when handling 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/cm³, Cs-134: Approx.7E-8Bq/cm³, Cs-137: Approx.1E-7Bq/cm³ Particulate: I-131: Approx. 2E-8Bq/cm³, Cs-134: Approx.4E-8Bq/cm³, Cs-137: Approx.5E-8Bq/cm³ 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<6/11>

Reference

(Data summarized on March 19)

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)		Density Limit Specified by the Reactor Regulation (Bq/cm3) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
	Time of Sampling	Feb 16, 2014 8:03 AM	Feb 17, 2014 8:50 AM	Feb 16, 2014 8:07 AM	Feb 17, 2014 8:52 AM	Feb 16, 2014 8:12 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	
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)	3.8E-08	0.00	ND	-	4.2E-08	0.00	3E-03

*This is the measurement results of nuclides in the atmosphere when handling 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/cm3, Cs-134: Approx.7E-8Bq/cm3, Cs-137: Approx.1E-7Bq/cm3 Particulate: I-131: Approx. 2E-8Bq/cm3, Cs-134: Approx.4E-8Bq/cm3, Cs-137: Approx.6E-8Bq/cm3 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<7/11>

Reference

(Data summarized on March 19)

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)		Density Limit Specified by the Reactor Regulation (Bq/cm3) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	Feb 20, 2014 8:34 AM	Feb 21, 2014 9:18 AM	Feb 20, 2014 8:31 AM	Feb 21, 2014 9:16 AM	Feb 20, 2014 8:28 AM	Feb 21, 2014 9:14 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	
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 measurement results of nuclides in the atmosphere when handling 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/cm3, Cs-134: Approx.7E-8Bq/cm3, Cs-137: Approx.1E-7Bq/cm3 Particulate: I-131: Approx. 2E-8Bq/cm3, Cs-134: Approx.4E-8Bq/cm3, Cs-137: Approx.5E-8Bq/cm3 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<8/11>

Reference

(Data summarized on March 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)		Density Limit Specified by the Reactor Regulation (Bq/cm3) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
	Time of Sampling	Feb 24, 2014 8:42 AM	Feb 25, 2014 9:04 AM	Feb 24, 2014 Jan 00, 1900	Feb 25, 2014 9:02 AM	Feb 24, 2014 8:40 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	1.6E-07	0.00	8.4E-08	0.00	7.5E-08	0.00	2E-03
Cs-137 (Approx. 30 years)	3.7E-07	0.00	2.1E-07	0.00	2.9E-07	0.00	3E-03

*This is the measurement results of nuclides in the atmosphere when handling 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/cm3, Cs-134: Approx.7E-8Bq/cm3, Cs-137: Approx.1E-7Bq/cm3 Particulate: I-131: Approx. 3E-8Bq/cm3 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<9/11>

Reference

(Data summarized on March 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)		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	Feb 26, 2014 8:24 AM	Feb 27, 2014 8:12 AM	Feb 26, 2014 8:20 AM	Feb 27, 2014 8:16 AM	Feb 26, 2014 8:17 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	4.5E-08	0.00	ND	-	ND	-	2E-03
Cs-137 (Approx. 30 years)	1.1E-07	0.00	9.6E-08	0.00	8.6E-08	0.00	3E-03

*This is the measurement results of nuclides in the atmosphere when handling 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/cm³, Cs-134: Approx.7E-8Bq/cm³, Cs-137: Approx.1E-7Bq/cm³

Particulate: I-131: Approx. 2E-8Bq/cm³, Cs-134: Approx.4E-8Bq/cm³

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<10/11>

Reference

(Data summarized on March 19)

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)		Density Limit Specified by the Reactor Regulation (Bq/cm3) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
	Time of Sampling	Feb 27, 2014 8:15 AM	Feb 28, 2014 8:37 AM	Feb 27, 2014 8:19 AM	Feb 28, 2014 8:32 AM	Feb 27, 2014 8:10 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	
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 measurement results of nuclides in the atmosphere when handling 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/cm3, Cs-134: Approx.7E-8Bq/cm3, Cs-137: Approx.1E-7Bq/cm3 Particulate: I-131: Approx. 2E-8Bq/cm3, Cs-134: Approx.4E-8Bq/cm3, Cs-137: Approx.6E-8Bq/cm3 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<11/11>

Reference

(Data summarized on March 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)		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	Feb 28, 2014 8:40 AM	Mar 01, 2014 9:02 AM	Feb 28, 2014 8:36 AM	Mar 01, 2014 9:04 AM	Feb 28, 2014 8:32 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	1.7E-08	0.00	1.9E-08	0.00	ND	-	2E-03
Cs-137 (Approx. 30 years)	4.8E-08	0.00	5.9E-08	0.00	ND	-	3E-03

*This is the measurement results of nuclides in the atmosphere when handling 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/cm³, Cs-134: Approx.7E-8Bq/cm³, Cs-137: Approx.1E-7Bq/cm³ Particulate: I-131: Approx. 2E-8Bq/cm³, Cs-134: Approx.4E-8Bq/cm³, Cs-137: Approx.6E-8Bq/cm³ As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.