

Reference

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

(Data summarized on March 25)

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 <sup>3</sup> ) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	Mar 11, 2013 9:00 AM	~ Mar 12, 2013 8:38 AM	Mar 11, 2013 9:03 AM	~ Mar 12, 2013 8:30 AM	Mar 11, 2013 8:56 AM	~ Mar 12, 2013 8:25 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	1.8E-07	0.00	1.4E-07	0.00	1.4E-07	0.00	2E-03
Cs-137 (Approx. 30 years)	2.9E-07	0.00	3.3E-07	0.00	2.8E-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<sup>-0</sup>

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<sup>3</sup>, Cs-134: Approx. 9E-8Bq/cm<sup>3</sup>, Cs-137: Approx. 1E-7Bq/cm<sup>3</sup>

Particulate; I-131: Approx. 3E-8Bq/cm<sup>3</sup>

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 <2/5>

(Data summarized on March 25)

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 <sup>3</sup> ) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
	Time of Sampling	Mar 12, 2013 ~ Mar 13, 2013 8:42 AM ~ 8:26 AM	Time of Sampling	Mar 12, 2013 ~ Mar 13, 2013 8:34 AM ~ 8:23 AM	Time of Sampling	Mar 12, 2013 ~ Mar 13, 2013 8:28 AM ~ 8:19 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	1.4E-07	0.00	1.6E-07	0.00	1.4E-07	0.00	2E-03
Cs-137 (Approx. 30 years)	2.9E-07	0.00	3.3E-07	0.00	2.2E-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<sup>0</sup>

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<sup>3</sup>, Cs-134: Approx. 9E-8Bq/cm<sup>3</sup>, Cs-137: Approx. 1E-7Bq/cm<sup>3</sup>

Particulate; I-131: Approx. 3E-8Bq/cm<sup>3</sup>

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 &lt;3/5&gt;

(Data summarized on March 25)

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 <sup>3</sup> ) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	Mar 13, 2013 8:27 AM	~ Mar 14, 2013 8:57 AM	Mar 13, 2013 8:24 AM	~ Mar 14, 2013 9:01 AM	Mar 13, 2013 8:20 AM	~ Mar 14, 2013 8:52 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	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)	8.7E-08	0.00	1.4E-07	0.00	7.7E-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  $O.O \times 10^{-O}$

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.  $5E-8$ Bq/cm<sup>3</sup>, Cs-134: Approx.  $9E-8$ Bq/cm<sup>3</sup>, Cs-137: Approx.  $1E-7$ Bq/cm<sup>3</sup>

Particulate; I-131: Approx.  $3E-8$ Bq/cm<sup>3</sup>, Cs-134: Approx.  $5E-8$ Bq/cm<sup>3</sup>

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 &lt;4/5&gt;

(Data summarized on March 25)

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 <sup>3</sup> ) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	Mar 14, 2013 9:00 AM	~ Mar 15, 2013 8:27 AM	Mar 14, 2013 9:04 AM	~ Mar 15, 2013 8:22 AM	Mar 14, 2013 8:56 AM	~ Mar 15, 2013 8:14 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	2.7E-07	0.00	1.4E-06	0.00	1.3E-06	0.00	2E-03
Cs-137 (Approx. 30 years)	4.5E-07	0.00	2.4E-06	0.00	2.4E-06	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  $O.O \times 10^{-O}$

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.  $9E-8Bq/cm^3$ , Cs-137: Approx.  $1E-7Bq/cm^3$

Particulate; I-131: 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 &lt;5/5&gt;

(Data summarized on March 25)

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 <sup>3</sup> ) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	Mar 15, 2013 8:30 AM	~ Mar 16, 2013 6:05 PM	Mar 15, 2013 8:25 AM	~ Mar 16, 2013 6:12 PM	Mar 15, 2013 8:18 AM	~ Mar 16, 2013 6:00 PM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	2.0E-07	0.00	2.1E-07	0.00	2.2E-07	0.00	2E-03
Cs-137 (Approx. 30 years)	3.5E-07	0.00	4.0E-07	0.00	4.3E-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  $O.O \times 10^{-O}$

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.  $8E-8Bq/cm^3$

Particulate; I-131: 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.