

Reference

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<1/8>

(Data summarized on October 11)

| 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 | Sep 2, 2013 8:30 AM | ~ Sep 3, 2013 4:30 PM | Sep 2, 2013 8:33 AM | ~ Sep 3, 2013 4:26 PM | Sep 2, 2013 8:26 AM | ~ Sep 3, 2013 4:23 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 |

* 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. 3E-8Bq/cm³, Cs-134: Approx. 6E-8Bq/cm³, Cs-137: Approx. 8E-8Bq/cm³

Particulate; I-131: Approx. 2E-8Bq/cm³, Cs-134: Approx. 3E-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<2/8>

(Data summarized on October 11)

| 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 | Sep 11, 2013 9:10 AM | ~ Sep 12, 2013 8:13 AM | Sep 11, 2013 9:13 AM | ~ Sep 12, 2013 8:25 AM | Sep 11, 2013 9:00 AM | ~ Sep 12, 2013 8:19 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) | 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. 5E-8Bq/cm³, Cs-134: Approx. 9E-8Bq/cm³, Cs-137: Approx. 1E-7Bq/cm³

Particulate; I-131: Approx. 3E-8Bq/cm³, Cs-134: Approx. 5E-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.

Reference

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<3/8>

(Data summarized on October 11)

| 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 | Sep 12, 2013 8:15 AM | ~ Sep 13, 2013 4:08 PM | Sep 12, 2013 8:28 AM | ~ Sep 13, 2013 4:15 PM | Sep 12, 2013 8:22 AM | ~ Sep 13, 2013 4:17 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 |

* 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 10⁰

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. 8E-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.

Reference

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<4/8>

(Data summarized on October 11)

| 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 | Sep 17, 2013 7:57 AM | ~ Sep 18, 2013 8:33 AM | Sep 17, 2013 8:01 AM | ~ Sep 18, 2013 8:43 AM | Sep 17, 2013 7:53 AM | ~ Sep 18, 2013 8:40 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) | 7.4E-08 | 0.00 | ND | - | 6.6E-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 10⁰

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/cm³, Cs-134: Approx. 8E-8Bq/cm³, Cs-137: Approx. 1E-7Bq/cm³

Particulate; I-131: Approx. 3E-8Bq/cm³, Cs-134: Approx. 5E-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.

Reference

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<5/8>

(Data summarized on October 11)

| 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 | Sep 18, 2013 8:36 AM | ~ Sep 19, 2013 8:03 AM | Sep 18, 2013 8:46 AM | ~ Sep 19, 2013 8:11 AM | Sep 18, 2013 8:43 AM | ~ Sep 19, 2013 8:12 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. 5E-8Bq/cm³, Cs-134: Approx. 8E-8Bq/cm³, Cs-137: Approx. 1E-7Bq/cm³

Particulate; I-131: Approx. 3E-8Bq/cm³, Cs-134: Approx. 5E-8Bq/cm³, Cs-137: Approx. 7E-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.

Reference

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<6/8>

(Data summarized on October 11)

| 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 | Sep 19, 2013 8:04 AM | ~ Sep 20, 2013 4:00 PM | Sep 19, 2013 8:13 AM | ~ Sep 20, 2013 4:02 PM | Sep 19, 2013 8:13 AM | ~ Sep 20, 2013 4:04 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) | 7.0E-08 | 0.00 | 5.8E-08 | 0.00 | 1.2E-07 | 0.00 | 2E-03 |
| Cs-137 (Approx. 30 years) | 2.1E-07 | 0.00 | 1.5E-07 | 0.00 | 2.6E-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 10⁰

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. 8E-8Bq/cm³

Particulate; I-131: Approx. 2E-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.

Reference

Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS<7/8>

(Data summarized on October 11)

| 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 | Sep 24, 2013 8:18 AM | ~ Sep 25, 2013 8:02 AM | Sep 24, 2013 8:26 AM | ~ Sep 25, 2013 8:08 AM | Sep 24, 2013 8:27 AM | ~ Sep 25, 2013 8:11 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) | 5.5E-08 | 0.00 | ND | - | ND | - | 2E-03 |
| Cs-137 (Approx. 30 years) | 6.7E-08 | 0.00 | 1.1E-07 | 0.00 | 1.9E-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 10⁰

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/cm³, Cs-134: Approx. 8E-8Bq/cm³, Cs-137: Approx. 1E-7Bq/cm³

Particulate; I-131: Approx. 3E-8Bq/cm³, Cs-134: 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.

Reference

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

(Data summarized on October 11)

| 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 | Sep 25, 2013 8:02 AM | ~ Sep 26, 2013 8:28 AM | Sep 25, 2013 8:10 AM | ~ Sep 26, 2013 8:36 AM | Sep 25, 2013 8:12 AM | ~ Sep 26, 2013 8:36 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 10⁰

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. 5E-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.