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Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS < 1/6 >
 (Data summarized on July 25)

| Place of Sampling | Process Main Building Opening (East Side) | | Incineration Workshop Building Opening (Southeast Side) | | On-site Bunker Building Opening (Large Equipment Hatch) | | 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 | Density of Sample (Bq/cm ³) | Scaling Factor (/) | Density of Sample (Bq/cm ³) | Scaling Factor (/) | Density of Sample (Bq/cm ³) | |
| | Jul 22, 2012 10:50 AM - 11:50 AM | | | Jul 22, 2012 10:50 AM - 11:50 AM | | Jul 22, 2012 10:40 AM - 11:40 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 |

* 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-6Bq/cm³, Cs-134: Approx. 1E-5Bq/cm³, Cs-137: Approx. 1E-5Bq/cm³

Particulate: I-131: Approx. 3E-6Bq/cm³, Cs-134: Approx. 7E-6Bq/cm³, Cs-137: Approx. 8E-6Bq/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 Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS < 2/6 >
(Data summarized on July 25)

| Place of Sampling | Miscellaneous Solid Waste Volume Reduction Treatment Building Opening (Northeast Side) | | Unit 1 Waste Treatment Building (West Side Opening) | | Unit 2 Waste Treatment Building (West Side Opening) | | 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 | Jul 22, 2012 10:40 AM - 11:40 AM | | Jul 22, 2012 9:00 AM - 10:00 AM | | Jul 22, 2012 9:00 AM - 10:00 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 |

* 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-6Bq/cm³, Cs-134: Approx. 1E-5Bq/cm³, Cs-137: Approx. 1E-5Bq/cm³

Particulate: I-131: Approx. 3E-6Bq/cm³, Cs-134: Approx. 7E-6Bq/cm³, Cs-137: Approx. 8E-6Bq/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 Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS < 3/6 >
(Data summarized on July 25)

| Place of Sampling | Unit 4 Waste Treatment Building (Northwest Side Opening) | | Unit 4 Reactor Building Opening (Large Equipment Hatch) | | Unit 1 Reactor Building Opening (Large Equipment Hatch) | | 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 | Jul 22, 2012 9:10 AM - 10:10 AM | Jul 22, 2012 9:10 AM - 10:10 AM | Jul 22, 2012 12:35 PM - 1:35 PM | | | |
| 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 |

* 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-6Bq/cm³, Cs-134: Approx. 1E-5Bq/cm³, Cs-137: Approx. 1E-5Bq/cm³

Particulate: I-131: Approx. 3E-6Bq/cm³, Cs-134: Approx. 7E-6Bq/cm³, Cs-137: Approx. 8E-6Bq/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 Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS < 4/6 >
(Data summarized on July 25)

| Place of Sampling | Unit 2 Reactor Building Opening (Large Equipment Hatch) | | Unit 3 Reactor Building Opening (Large Equipment Hatch) | | Unit 4 Reactor Building Opening (Large Equipment Hatch) | | 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 | Density of Sample (Bq/cm ³) | Scaling Factor (/) | Density of Sample (Bq/cm ³) | Scaling Factor (/) | Density of Sample (Bq/cm ³) | |
| 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 |

* 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. $5E-6Bq/cm^3$, Cs-134: Approx. $1E-5Bq/cm^3$, Cs-137: Approx. $1E-5Bq/cm^3$

Particulate: I-131: Approx. $3E-6Bq/cm^3$, Cs-134: Approx. $7E-6Bq/cm^3$, Cs-137: Approx. $8E-6Bq/cm^3$

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 Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS < 5/6 >
(Data summarized on July 25)

| Place of Sampling | Process Main Building Opening (Decontamination Equipment Room) | | Exhaust Facility of Granular Solid Strage (Outlet) | | | | 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 | | Time of Sampling | | | | |
| 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 | - | | |
| Cs-134 (Approx. 2 years) | 4.5E-05 | 0.02 | ND | - | | | 2E-03 |
| Cs-137 (Approx. 30 years) | 6.0E-05 | 0.02 | ND | - | | | 3E-03 |

* 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 10⁻⁰

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-6Bq/cm³, Cs-134: Approx. 1E-5Bq/cm³, Cs-137: Approx. 1E-5Bq/cm³

Particulate: I-131: Approx. 3E-6Bq/cm³, Cs-134: Approx. 4E-6Bq/cm³, Cs-137: Approx. 5E-6Bq/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.

Correct

Reference

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

(Data summarized on July 25)

| Place of Sampling | 3 rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch) | | 3 rd Floor of Auxiliary Operation Shared Facility (In Fornt of South Stairs) | | 3 rd Floor of Auxiliary Operation Shared Facility (In Fornt 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 | Jul 19, 2012 1:03 PM | Jul 20, 2012 1:19 PM | Time of Sampling | Jul 19, 2012 1:13 PM | Jul 20, 2012 1:28 PM | | Time of Sampling |
| 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 | - | 5.6E-07 | 0.00 | 2E-03 | |
| Cs-137 (Approx. 30 years) | ND | - | ND | - | 8.1E-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. 1E-7Bq/cm³, Cs-137: Approx. 1E-7Bq/cm³

Particulate: I-131: Approx. 4E-8Bq/cm³, Cs-134: Approx. 7E-8Bq/cm³, Cs-137: Approx. 8E-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.

* The analysis result which was conducted when the fuel was not handled before or after this analysis are as follows.

- Around the machine hatch:

From 1:07 PM on July 17, 2012 to 1:28 PM on July 18: I-131:ND, Cs-134: 1.5E-7Bq/cm³, Cs-137: 2.3E-7Bq/cm³.

From 1:33 PM on July 18, 2012 to 12:59 PM on July 19: I-131:ND, Cs-134: 6.6E-8Bq/cm³, Cs-137: 1.4E-7Bq/cm³.

From 1:27 PM on July 20, 2012 to 1:41 PM on July 21: I-131:ND, Cs-134: 2.2E-7Bq/cm³, Cs-137: 4.3E-7Bq/cm³.

- In fornt of south stairs:

From 1:12 PM on July 17, 2012 to 1:35 PM on July 18: I-131:ND, Cs-134: 1.5E-7Bq/cm³, Cs-137: 2.3E-7Bq/cm³.

From 1:40 PM on July 18, 2012 to 1:08 PM on July 19: I-131:ND, Cs-134: 6.7E-8Bq/cm³, Cs-137: 7.3E-8Bq/cm³.

From 1:33 PM on July 20, 2012 to 1:37 PM on July 21: I-131:ND, Cs-134: 1.3E-7Bq/cm³, Cs-137: 1.9E-7Bq/cm³.

- In front of north stairs:

From 1:01 PM on July 17, 2012 to 1:20 PM on July 18: I-131:ND, Cs-134: 4.7E-7Bq/cm³, Cs-137: 7.5E-7Bq/cm³.

From 1:26 PM on July 18, 2012 to 12:52 PM on July 19: I-131:ND, Cs-134: 1.3E-7Bq/cm³, Cs-137: 2.1E-7Bq/cm³.

From 1:15 PM on July 20, 2012 to 1:32 PM on July 21: I-131:ND, Cs-134: 3.8E-7Bq/cm³, Cs-137: 6.0E-7Bq/cm³.

The detection limits of I-131 are as follows.

Volatile: Approx. 5E-8Bq/cm³ Particulate: Approx. 4E-8Bq/cm³

* We announced Time of Sampling in 3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch,

In Fornt of South Stairs) released on July 25 by mistake. We correct it, and please accept our apologies for this mistake.

<Original (Place of Sampling / Time of Sampling) >

- 3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)

/ From 1:03 PM on July 19 to 1:28 PM on July 20

- 3rd Floor of Auxiliary Operation Shared Facility (In Fornt of South Stairs)

/ From 1:13 PM on July 19 to 1:19 PM on July 20

<Correction (Place of Sampling / Time of Sampling) >

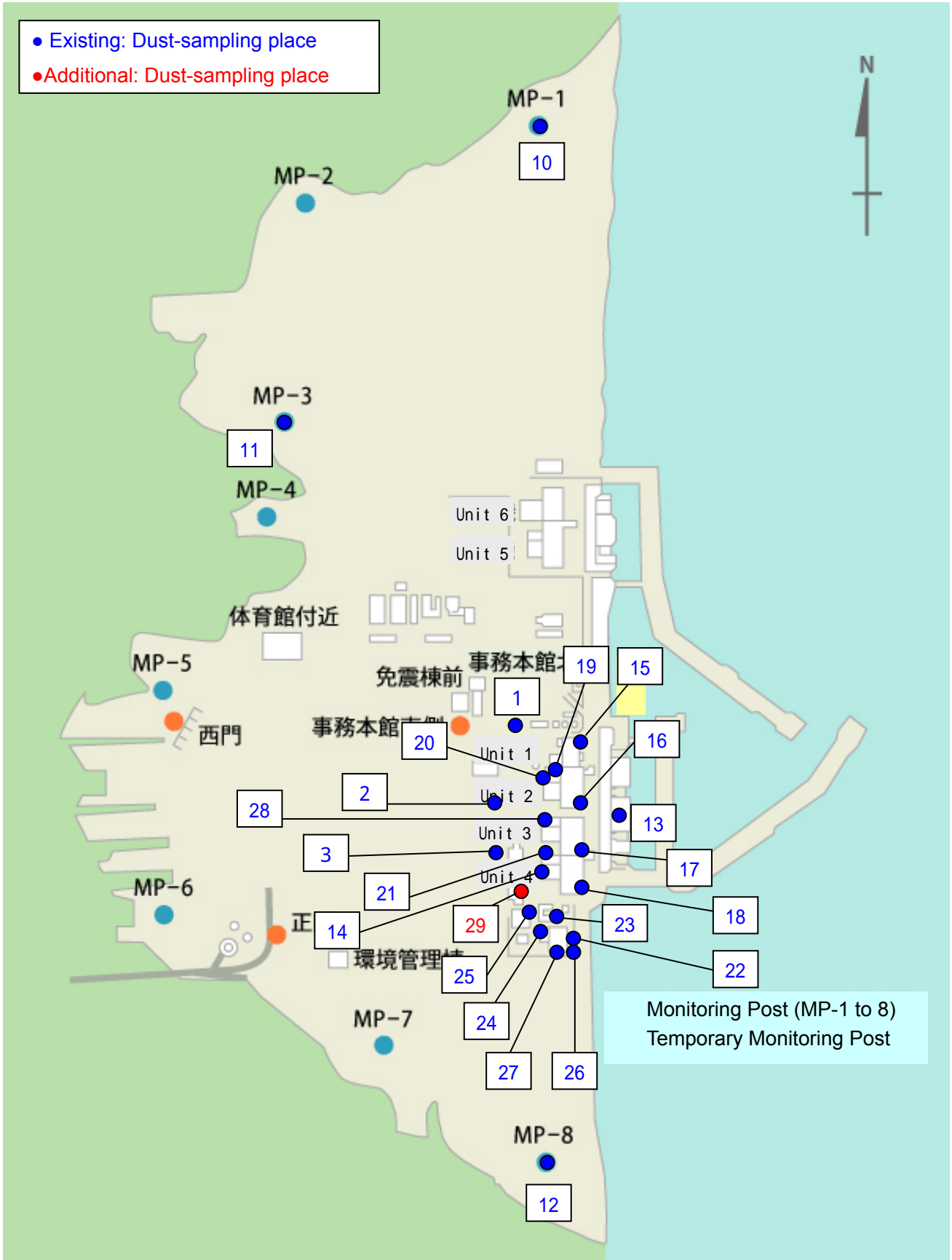
- 3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch)

/ From 1:03 PM on July 19 to 1:19 PM on July 20

- 3rd Floor of Auxiliary Operation Shared Facility (In Fornt of South Stairs)

/ From 1:13 PM on July 19 to 1:28 PM on July 20

Location of Dust-sampling



List of Dust-sampling Places

| No. | Sampling Place | No. | Sampling Place |
|-----|---|-----|--|
| 1 | North Side Slope of Unit 1 | 19 | Unit 1 Waste Treatment Facility Building (West side Opening) |
| 2 | West Side Slope of Unit 1 & Unit 2 | 20 | Unit 2 Waste Treatment Facility Building (West side Opening) |
| 3 | West Side Slope of Unit 3 & Unit 4 | 21 | Unit 4 Waste Treatment Facility Building (Northwest side Opening) |
| 10 | MP - 1 | 22 | Process Main Building Opening (East Side Opening) |
| 11 | MP - 3 | 23 | Incineration Workshop Building Opening (Southwest side Opening) |
| 12 | MP - 8 | 24 | On-site Bunker Building (Large Equipment Hatch of On-site Bunker Building) |
| 13 | Sea Side of Unit 1-4 | 25 | Opening of Miscellaneous Solid Waste Volume Reduction Treatment Building (Northeast side opening) |
| 14 | Unit 4 Reactor Building Opening (Large Equipment Hatch of Reactor Building) | 26 | Process Main Building (Inside of Decontamination Facility) |
| 15 | Unit 1 Turbine Building Opening (Large Equipment Hatch of Turbine Building) | 27 | Exhaust Facility of Granular Solid Storage Tank (Exhaust Opening side) |
| 16 | Unit 2 Turbine Building Opening (Large Equipment Hatch of Turbine Building) | 28 | Unit 3 Waste Treatment Facility Building (West side Opening) |
| 17 | Unit 3 Turbine Building Opening (Large Equipment Hatch of Turbine Building) | 29 | Auxiliary Operation Shared Facility (Machine Hatch, South Stairs, and North Stairs on 3 rd Floor) |
| 18 | Unit 4 Turbine Building Opening (Large Equipment Hatch of Turbine Building) | | |

* Indicated in blue: Existing / Indicated in red; Additional

* In regard to the west gate, sampling is conducted daily.

* Points 4 – 9 (mountainside of Unit 1, 2 and 3, in front of the Environment Monitoring Building, in front of the Water Treatment Building and in front of the Switching Yard of Unit 5 and 6) are unused numbers, as sampling was suspended in January, 2012 (published on January 11).