

Nuclide Analysis Results of the Radioactive Materials in the Air at Fukushima Nuclear Power Stations < 1/2 >

(Data summarized on March 19)

| Place of Sampling | The West Gate of Fukushima Daiichi NPS | | | | | | 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) |
|-------------------------------|--|----------------------|--|----------------------|--|----------------------|--|
| | 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) | |
| Time of Sampling | March 18, 2014 7:00 AM - 12:00 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 | - | | | | | 1E-03 |
| Cs-134 (Approx. 2 years) | ND | - | | | | | 2E-03 |
| Cs-137 (Approx. 30 years) | ND | - | | | | | 3E-03 |

* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

0.0E-0 is the same as 0.0×10^{-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 at the west gate of Fukushima Daiichi NPS are as follows: Volatile: I-131: Approx. 8E-8Bq/cm³, Cs-134: Approx.2E-7Bq/cm³, Cs-137: Approx.2E-7Bq/cm³ Particulate: I-131: Approx. 5E-8Bq/cm³, Cs-134: Approx.9E-8Bq/cm³, Cs-137: Approx.1E-7Bq/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.

Nuclide Analysis Results of the Radioactive Materials in the Air at Fukushima Nuclear Power Stations < 2/2 >

(Data summarized on March 19)

| Place of Sampling | MP-1 at Fukushima Daiichi NPS | | MP-3 at Fukushima Daiichi NPS | | MP-8 at Fukushima Daiichi NPS | | 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 | | Time of Sampling | | Time of Sampling | | |
| 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) | 4.0E-08 | 0.00 | 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.

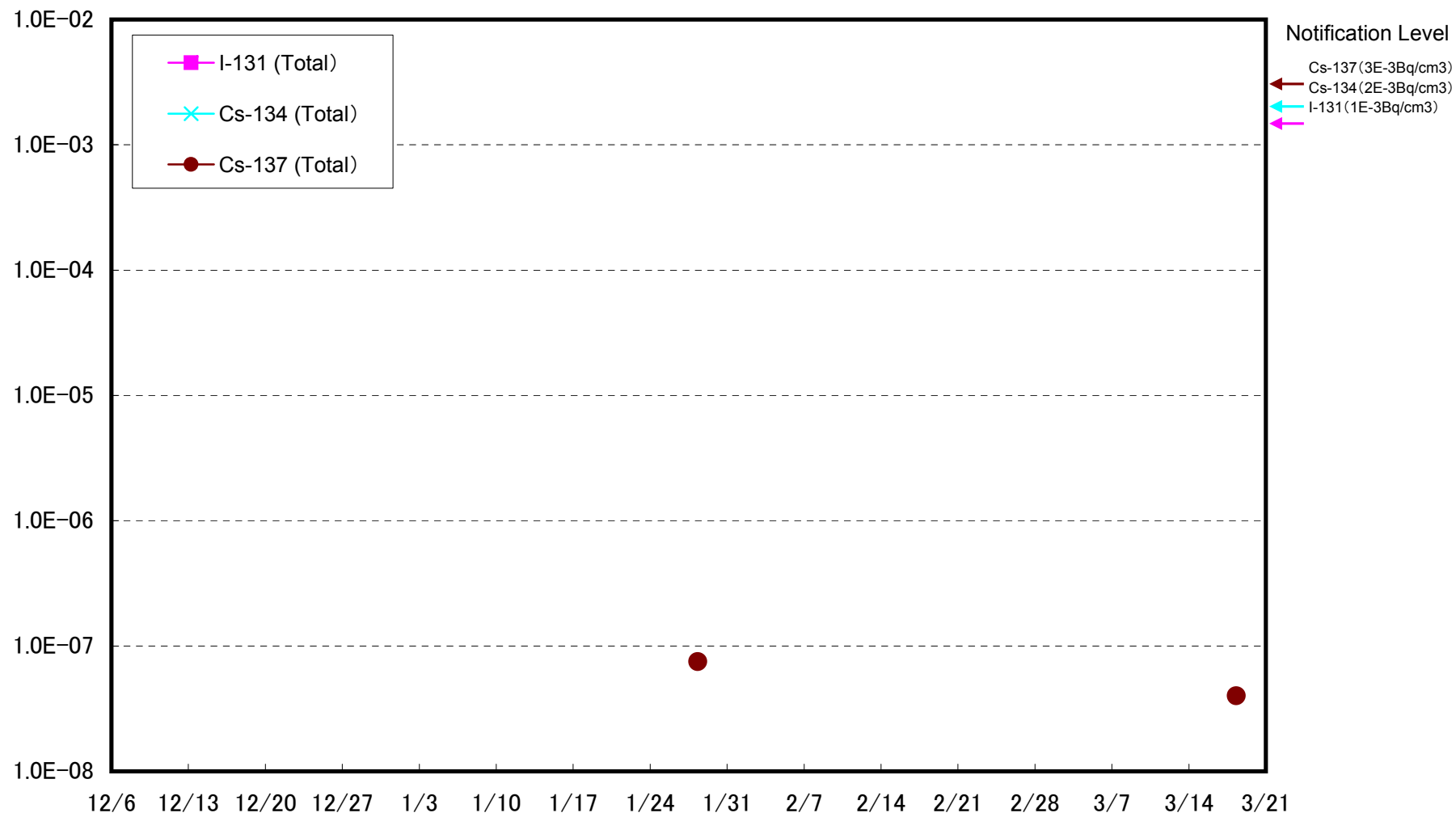
* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* "ND" indicates that the measurement result is below the detection limit.

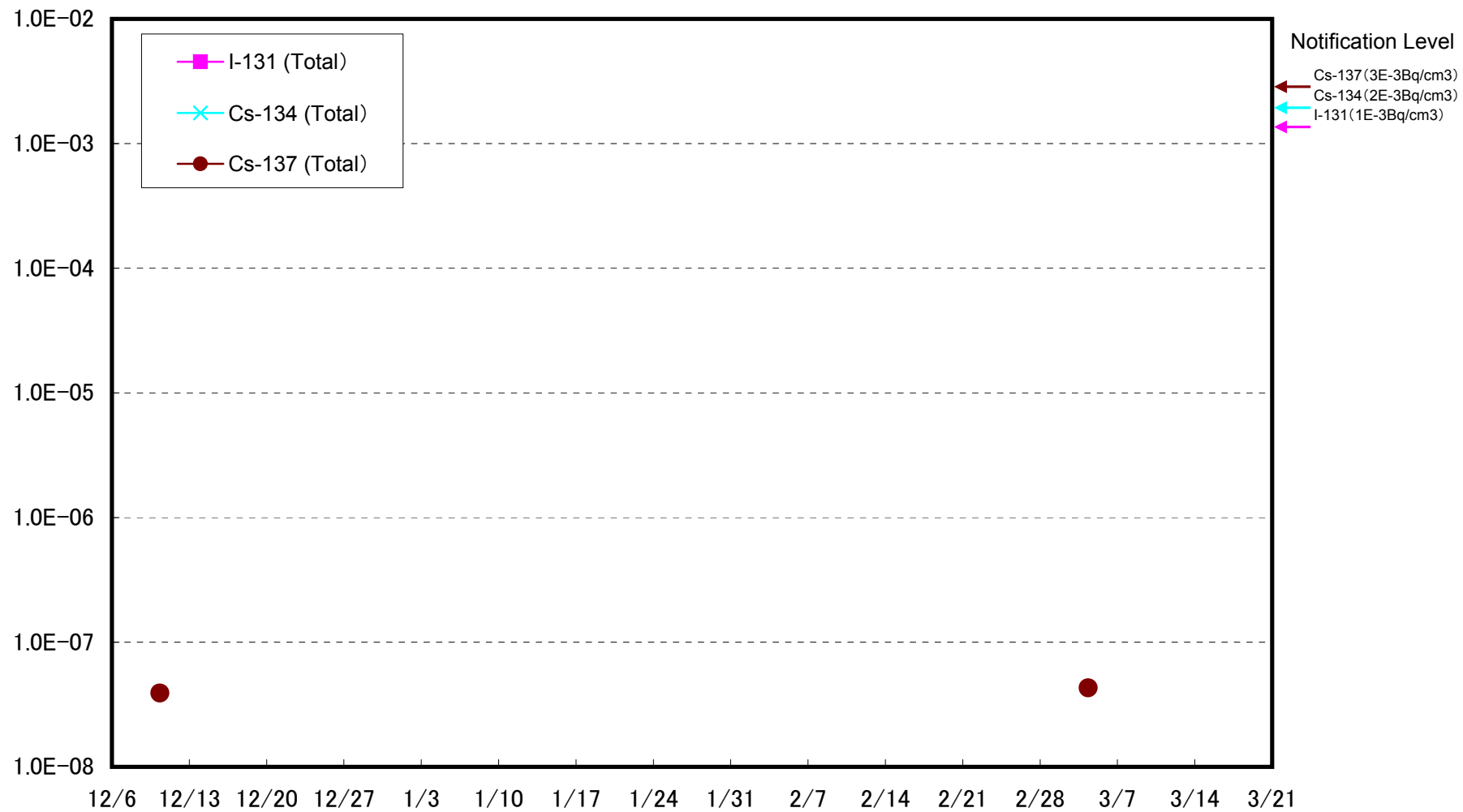
The detection limits are as follows. Volatile: I-131: Approx. 5E-8Bq/cm³, Cs-134: Approx.8E-8Bq/cm³, Cs-137: Approx.7E-8Bq/cm³

Particulate: I-131: Approx. 3E-8Bq/cm³, Cs-134: Approx.4E-8Bq/cm³, Cs-137: 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.

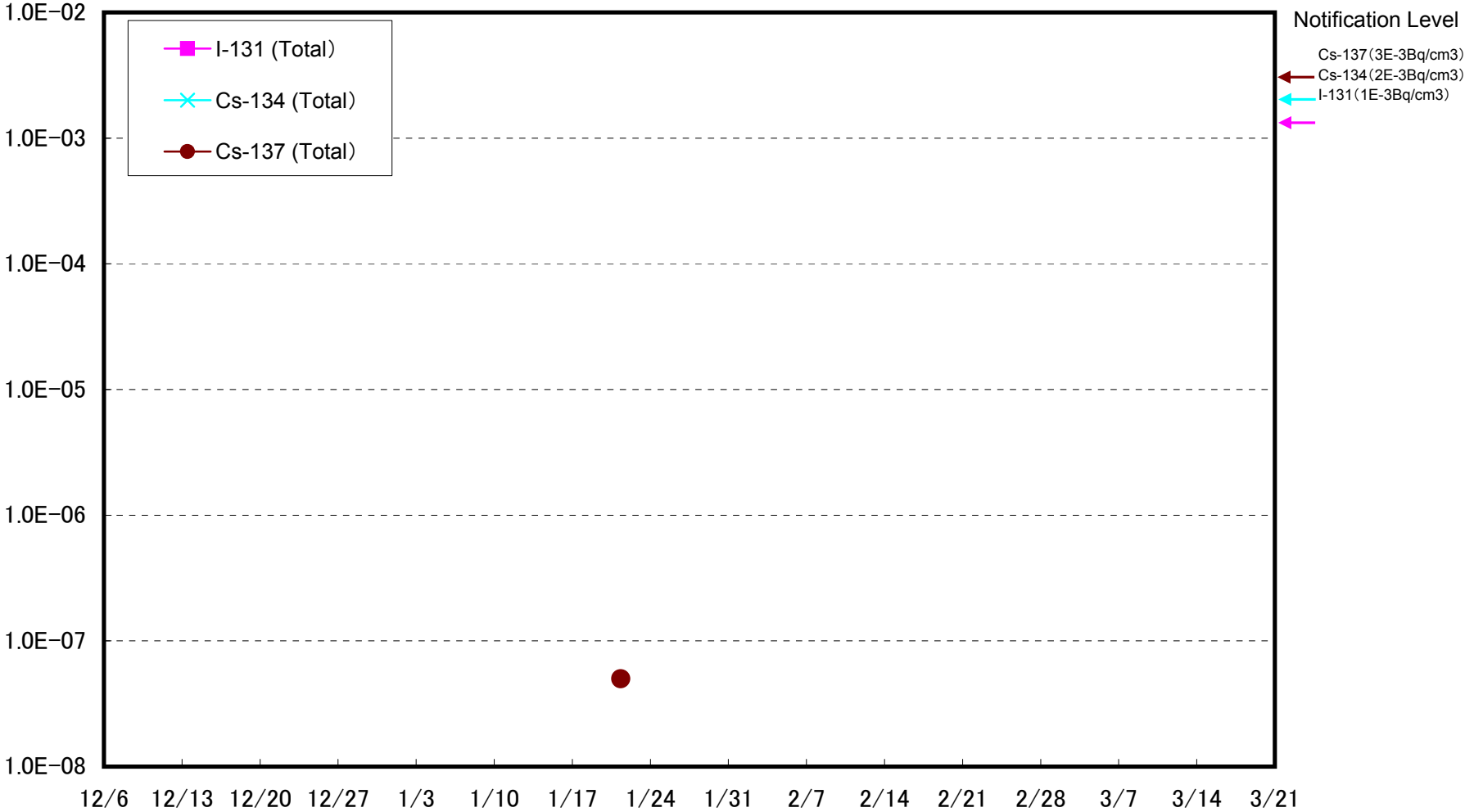
Dust Nuclides Analysis Result: MP-1 at Fukushima Daiichi NPS (Bq/cm³)



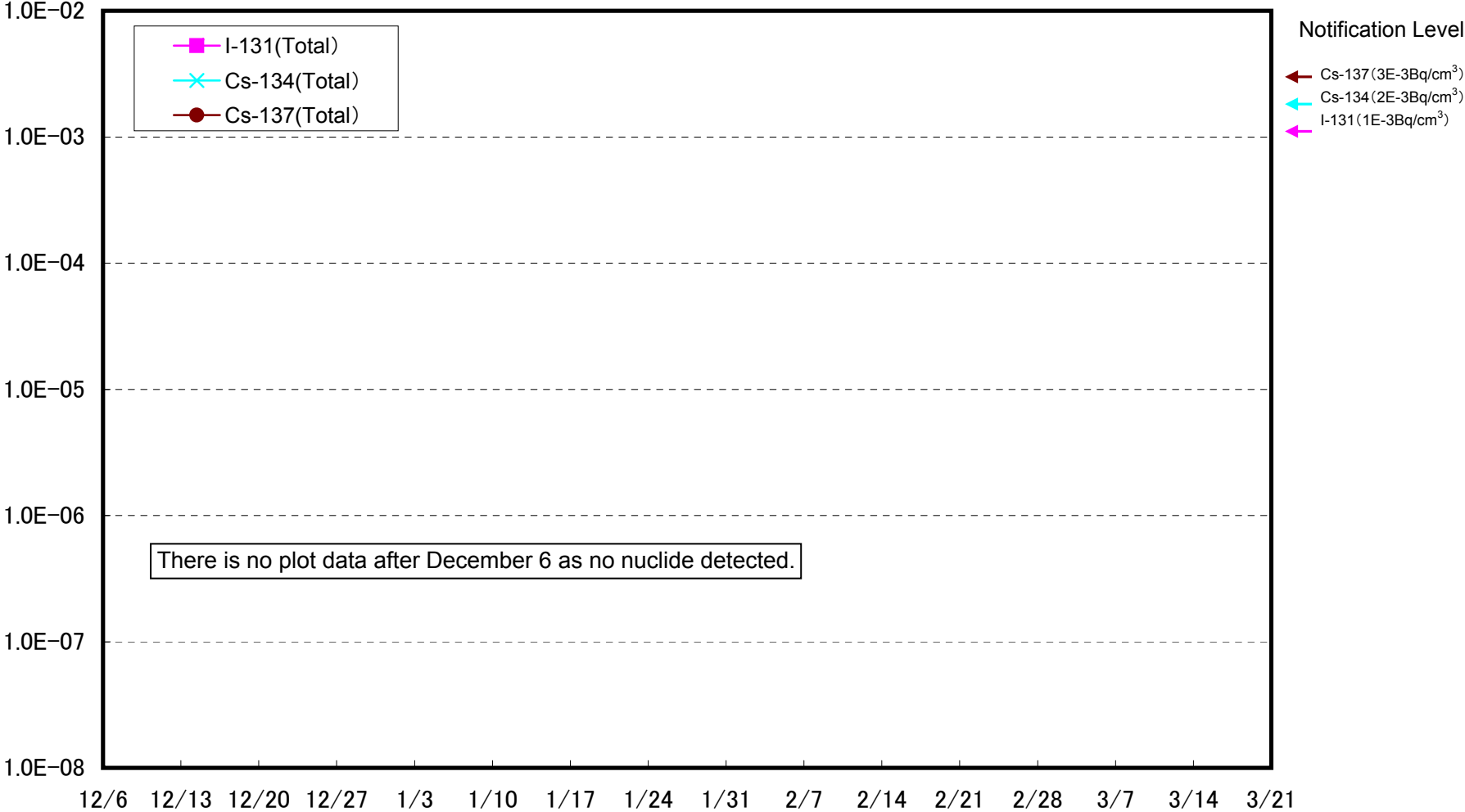
Dust Nuclides Analysis Result: MP-3 at Fukushima Daiichi NPS (Bq/cm³)



Dust Nuclides Analysis Result: MP-8 at Fukushima Daiichi NPS (Bq/cm³)



Dust Nuclides Analysis Result: The West Gate of Fukushima Daiichi Nuclear Power Station (Bq/cm³)



Analysis Result of Pu in the Air at Fukushima Daiichi Nuclear Power Station <1/4>

1. Measurement Result:

(Data summarized on March 19)

(Unit: Bq/cm³)

| Place of Sampling | Type | Date of Sampling | Pu-238 | Pu-239+Pu-240 |
|-------------------|-------------|------------------|---------------------------------|---------------------------------|
| 1F, West Gate | Volatile | Apr 16, 2013 | N.D. [$<4.5 \times 10^{-10}$] | N.D. [$<4.5 \times 10^{-10}$] |
| | Particulate | | N.D. [$<4.0 \times 10^{-10}$] | N.D. [$<4.4 \times 10^{-10}$] |

[] shows below the detection limit.

2. Analytical Institution

KAKEN Inc.

3. Evaluation:

Pu-238 and Pu-239+Pu-240 were not detected in the sample collected this time.

End

Analysis Result of Pu in the Air at Fukushima Daiichi Nuclear Power Station <2/4>

1. Measurement Result:

(Data summarized on March 19)

(Unit: Bq/cm³)

| Place of Sampling | Type | Date of Sampling | Pu-238 | Pu-239+Pu-240 |
|-------------------|-------------|------------------|---------------------------------|---------------------------------|
| 1F, West Gate | Volatile | May 13, 2013 | N.D. [$<4.4 \times 10^{-10}$] | N.D. [$<4.4 \times 10^{-10}$] |
| | Particulate | | N.D. [$<5.5 \times 10^{-10}$] | N.D. [$<5.5 \times 10^{-10}$] |

[] shows below the detection limit.

2. Analytical Institution

KAKEN Inc.

3. Evaluation:

Pu-238 and Pu-239+Pu-240 were not detected in the sample collected this time.

End

Analysis Result of Pu in the Air at Fukushima Daiichi Nuclear Power Station <3/4>

1. Measurement Result:

(Data summarized on March 19)

(Unit: Bq/cm³)

| Place of Sampling | Type | Date of Sampling | Pu-238 | Pu-239+Pu-240 |
|-------------------|-------------|------------------|---------------------------------|---------------------------------|
| 1F, West Gate | Volatile | Jun 10, 2013 | N.D. [$<3.1 \times 10^{-10}$] | N.D. [$<3.4 \times 10^{-10}$] |
| | Particulate | | N.D. [$<4.4 \times 10^{-10}$] | N.D. [$<4.4 \times 10^{-10}$] |

[] shows below the detection limit.

2. Analytical Institution

KAKEN Inc.

3. Evaluation:

Pu-238 and Pu-239+Pu-240 were not detected in the sample collected this time.

End

Analysis Result of Pu in the Air at Fukushima Daiichi Nuclear Power Station <4/4>

1. Measurement Result:

(Data summarized on March 19)

(Unit: Bq/cm³)

| Place of Sampling | Type | Date of Sampling | Pu-238 | Pu-239+Pu-240 |
|-------------------|-------------|------------------|---------------------------------|---------------------------------|
| 1F, West Gate | Volatile | Jul 15, 2013 | N.D. [$<4.3 \times 10^{-10}$] | N.D. [$<4.3 \times 10^{-10}$] |
| | Particulate | | N.D. [$<4.0 \times 10^{-10}$] | N.D. [$<4.4 \times 10^{-10}$] |

[] shows below the detection limit.

2. Analytical Institution

KAKEN Inc.

3. Evaluation:

Pu-238 and Pu-239+Pu-240 were not detected in the sample collected this time.

End