

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at Fukushima Nuclear Power Stations

(Data summarized on December 14)

| Place of Sampling | The West Gate of Fukushima Daiichi NPS | | MP-1 of Fukushima Daini NPS (Reference) | | | | 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 | December 13, 2012 7:00 AM - 12:00 PM | | December 13, 2012 9:15 AM - 9:25 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 | - | / | / | 1E-03 |
| Cs-134 (Approx. 2 years) | ND | - | ND | - | / | / | 2E-03 |
| Cs-137 (Approx. 30 years) | 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 at the west gate of Fukushima Daiichi NPS are as follows: Volatile: I-131: Approx. 9E-8Bq/cm³, Cs-134: Approx.2E-7Bq/cm³, Cs-137: Approx.3E-7Bq/cm³ Particulate: I-131: Approx. 5E-8Bq/cm³, Cs-134: Approx.1E-7Bq/cm³, Cs-137: Approx.2E-7Bq/cm³ The detection limits at MP-1 of Fukushima Daini MPS are as follows: Volatile: I-131: Approx. 1E-6Bq/cm³, Cs-134: Approx.2E-6Bq/cm³, Cs-137: Approx.2E-6Bq/cm³ Particulate: I-131: Approx. 6E-7Bq/cm³, Cs-134: Approx.1E-6Bq/cm³, Cs-137: Approx.8E-7Bq/cm³

Nuclides Analysis Result of the Radioactive Materials in the Air at the Sea Side of Fukushima Nuclear Power Stations

(Data summarized on December 14)

| Place of Sampling | Fukushima Daiichi NPS Sea Side Area near Unit 1-4 | | | | | | 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) |
|-------------------------------|---|----------------------|---|----------------------|---|----------------------|--|
| | December 13, 2012 7:49 AM - 12:49 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 | - | | | | | 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.

O.OE - O is the same as $O.O \times 10^{-O}$

Data of other nuclides is under examination.

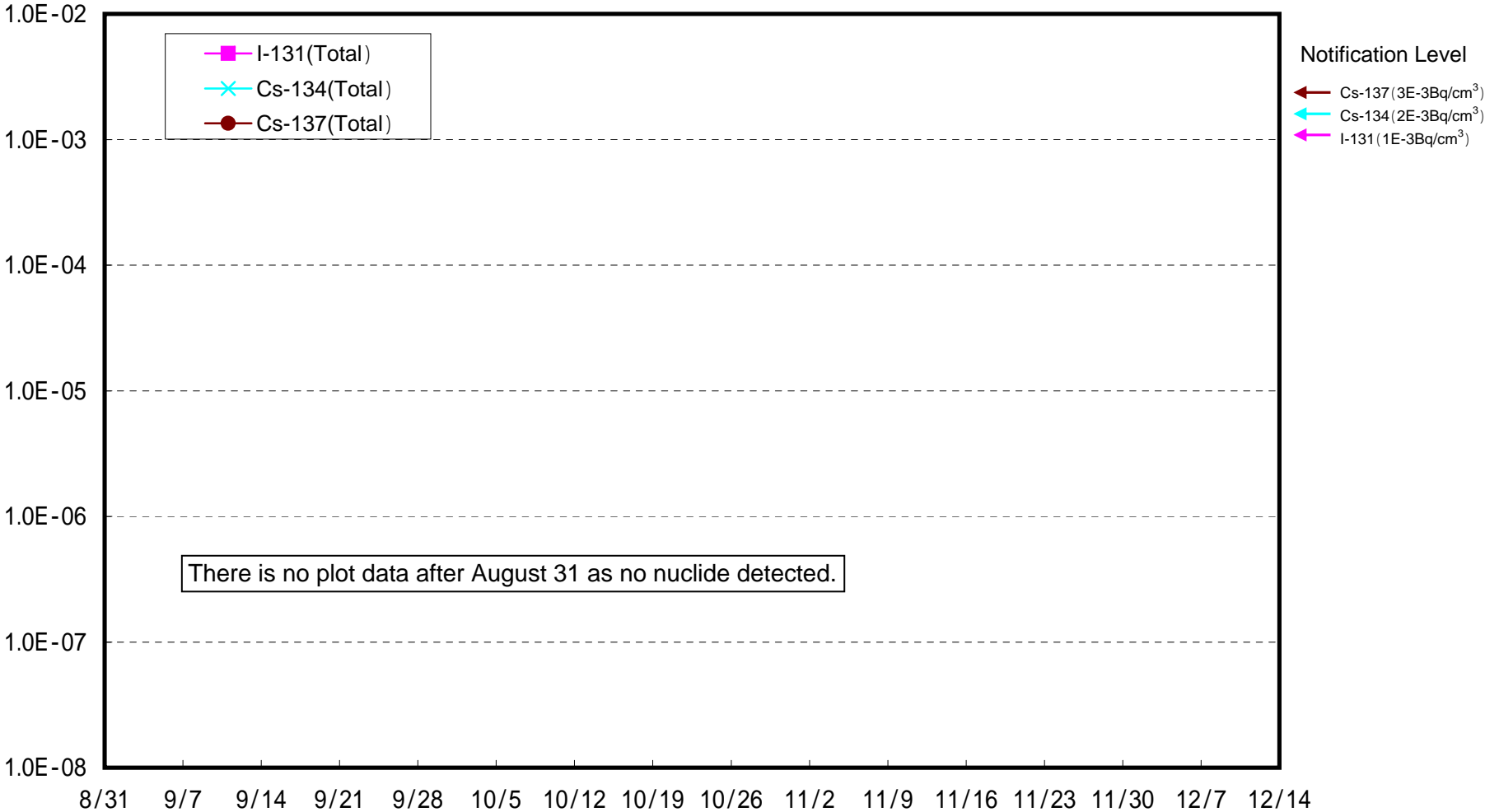
* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

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

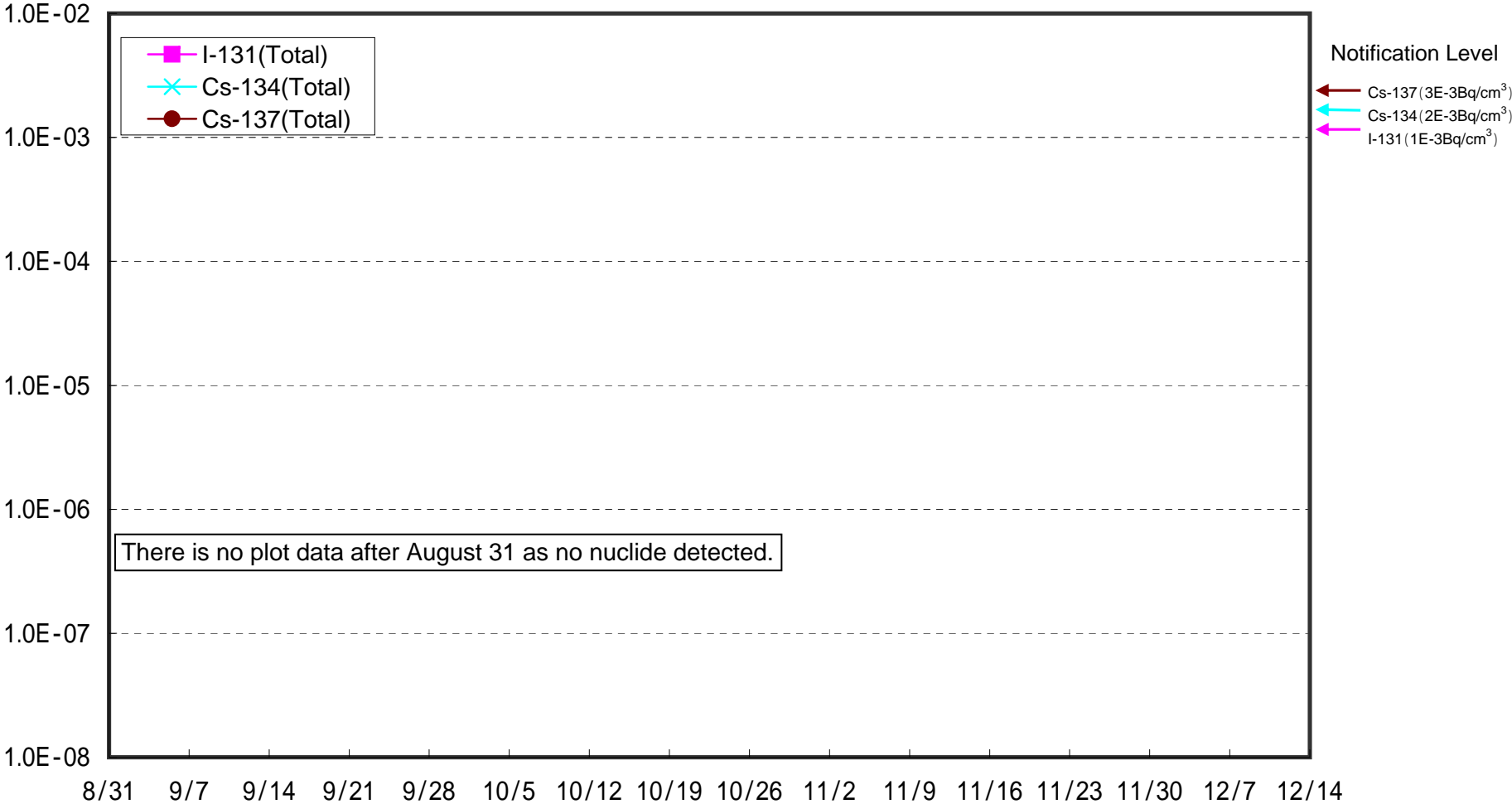
The detection limits are as follows. Volatile: I-131: Approx. 1E-7Bq/cm³, Cs-134: Approx.3E-7Bq/cm³, Cs-137: Approx.4E-7Bq/cm³

Particulate: I-131: Approx. 7E-8Bq/cm³, Cs-134: Approx.2E-7Bq/cm³, Cs-137: Approx.2E-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.

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



(Reference) Dust Nuclides Analysis Results of MP-1 at Fukushima Daini NPS (Bq/cm³)



Fukushima Daiichi NPS Unit 1-4 Sea Side
Results of Dust Nuclides Analysis (Bq/cm³)

