

Reference

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

(Data summarized on August 22)

| 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 <sup>3</sup> ) (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 <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                                      | -                    | /                                       | /                    | 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 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 at the west gate of Fukushima Daiichi NPS are as follows: Volatile: I-131: Approx. 1E-7Bq/cm<sup>3</sup>, Cs-134: Approx.2E-7Bq/cm<sup>3</sup>, Cs-137: Approx.3E-7Bq/cm<sup>3</sup> Particulate: I-131: Approx. 6E-8Bq/cm<sup>3</sup>, Cs-134: Approx.1E-7Bq/cm<sup>3</sup>, Cs-137: Approx.2E-7Bq/cm<sup>3</sup> The detection limits at MP-1 of Fukushima Daini MPS are as follows: Volatile: I-131: Approx. 2E-6Bq/cm<sup>3</sup>, Cs-134: Approx.2E-6Bq/cm<sup>3</sup>, Cs-137: Approx.1E-6Bq/cm<sup>3</sup> Particulate: I-131: Approx. 8E-7Bq/cm<sup>3</sup>, Cs-134: Approx.1E-6Bq/cm<sup>3</sup>, Cs-137: Approx.9E-7Bq/cm<sup>3</sup>

Nuclide Analysis Results of the Radioactive Materials in the Air at Fukushima Nuclear Power Stations < 2/2 >  
(Data summarized on August 22)

| Place of Sampling             | MP-1 at Fukushima Daiichi NPS           |                      | MP-3 at Fukushima Daiichi NPS           |                      | MP-8 at Fukushima Daiichi NPS           |                      | 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              | August 21, 2012<br>9:03 AM - 2:03 PM    |                      | August 21, 2012<br>8:36 AM - 1:36 PM    |                      | August 21, 2012<br>8:46 AM - 1:46 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<br>(Approx. 8 days)     | ND                                      | -                    | ND                                      | -                    | ND                                      | -                    | 1E-03   |
| Cs-134<br>(Approx. 2 years)   | ND                                      | -                    | ND                                      | -                    | ND                                      | -                    | 2E-03   |
| Cs-137<br>(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<sup>-0</sup>

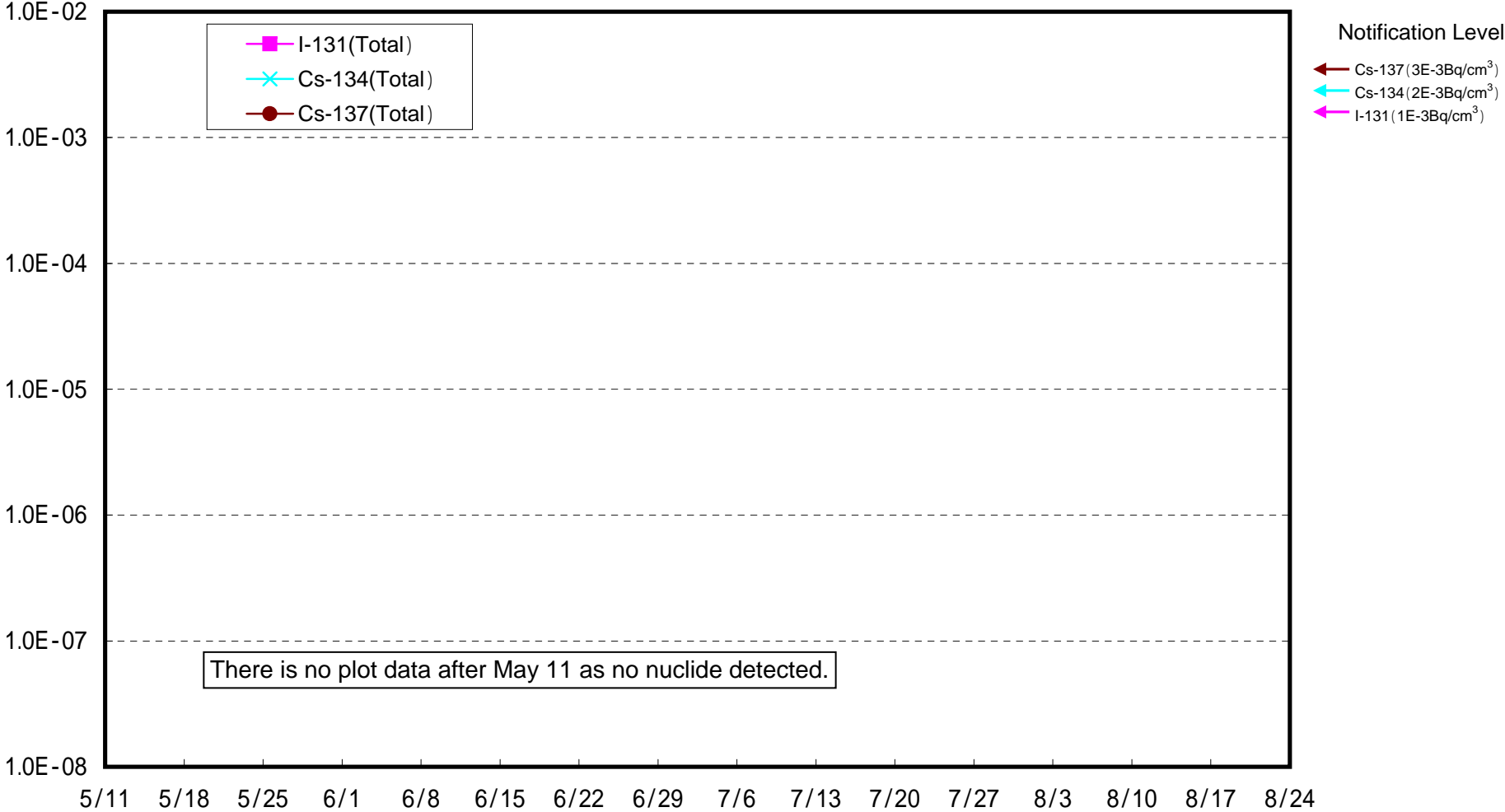
Data of other nuclides is under examination.

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

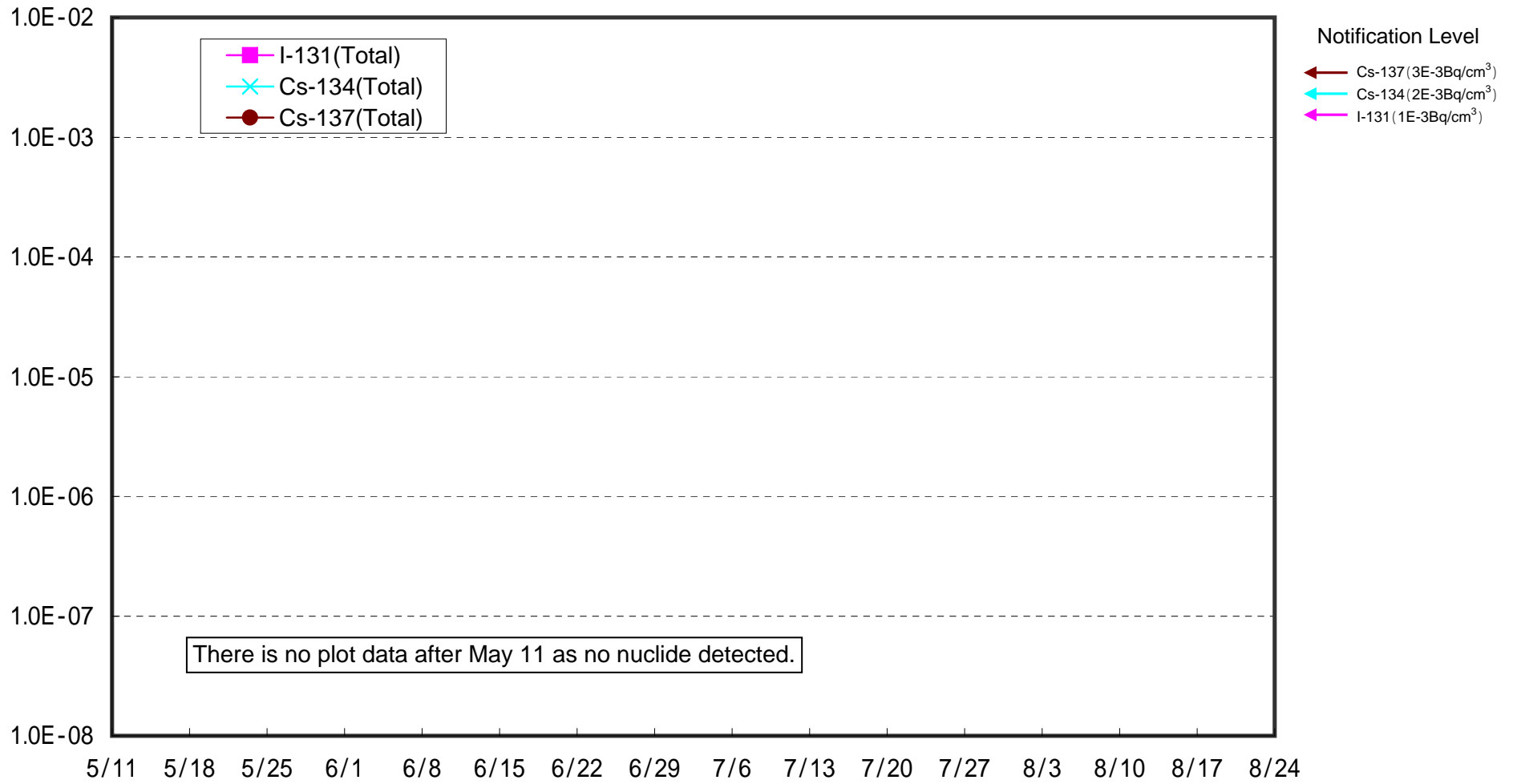
\* "ND" indicates that the measurement result is below the detection limit.

The detection limits are as follows. Volatile: I-131: Approx. 1E-7Bq/cm<sup>3</sup>, Cs-134: Approx.2E-7Bq/cm<sup>3</sup>, Cs-137: Approx.3E-7Bq/cm<sup>3</sup>  
 Particulate: I-131: Approx. 5E-8Bq/cm<sup>3</sup>, Cs-134: Approx.1E-7Bq/cm<sup>3</sup>, Cs-137: Approx.1E-7Bq/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.

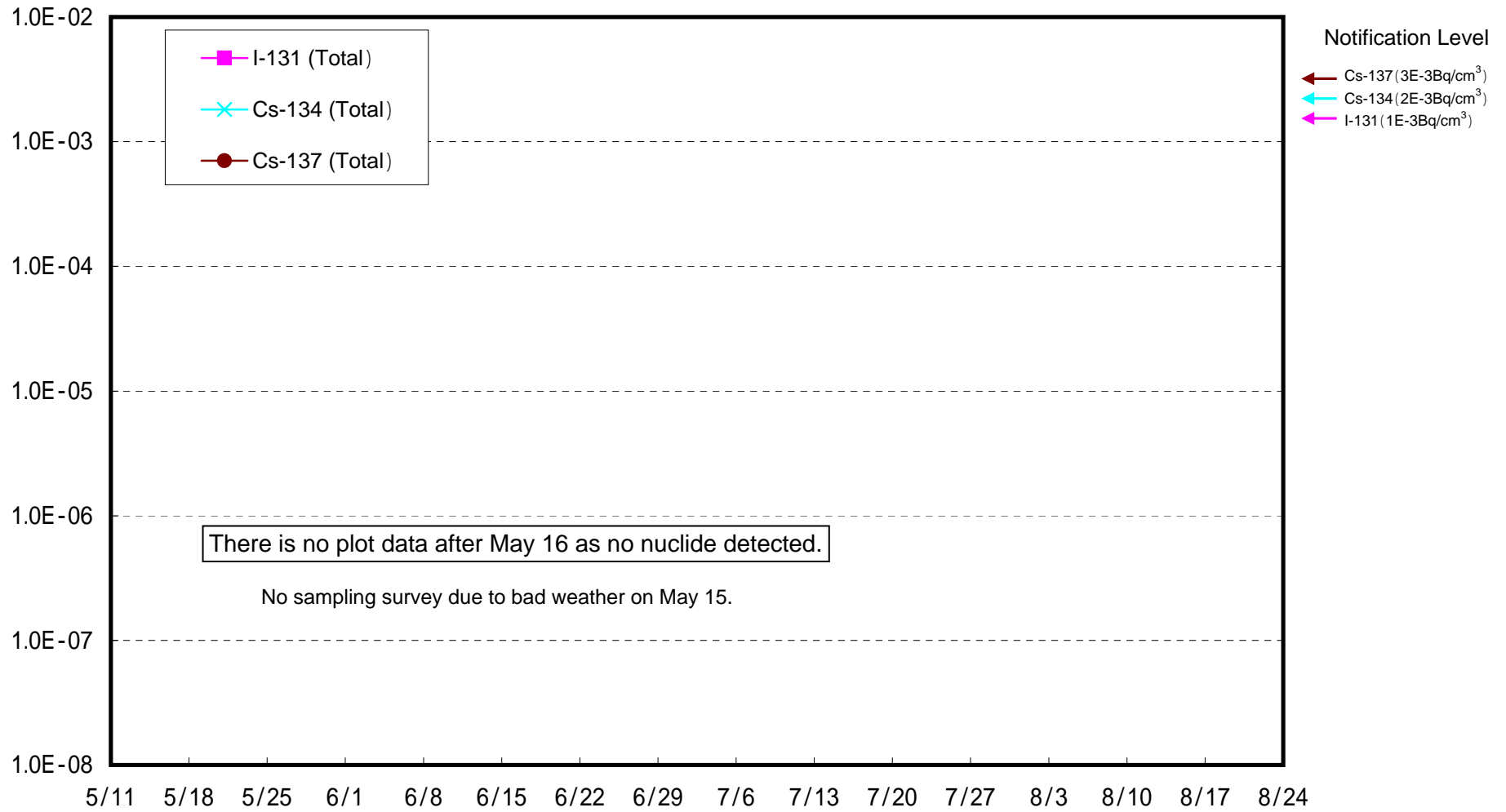
Dust Nuclides Analysis Result: The West Gate of Fukushima Daiichi Nuclear Power Station (Bq/cm<sup>3</sup>)



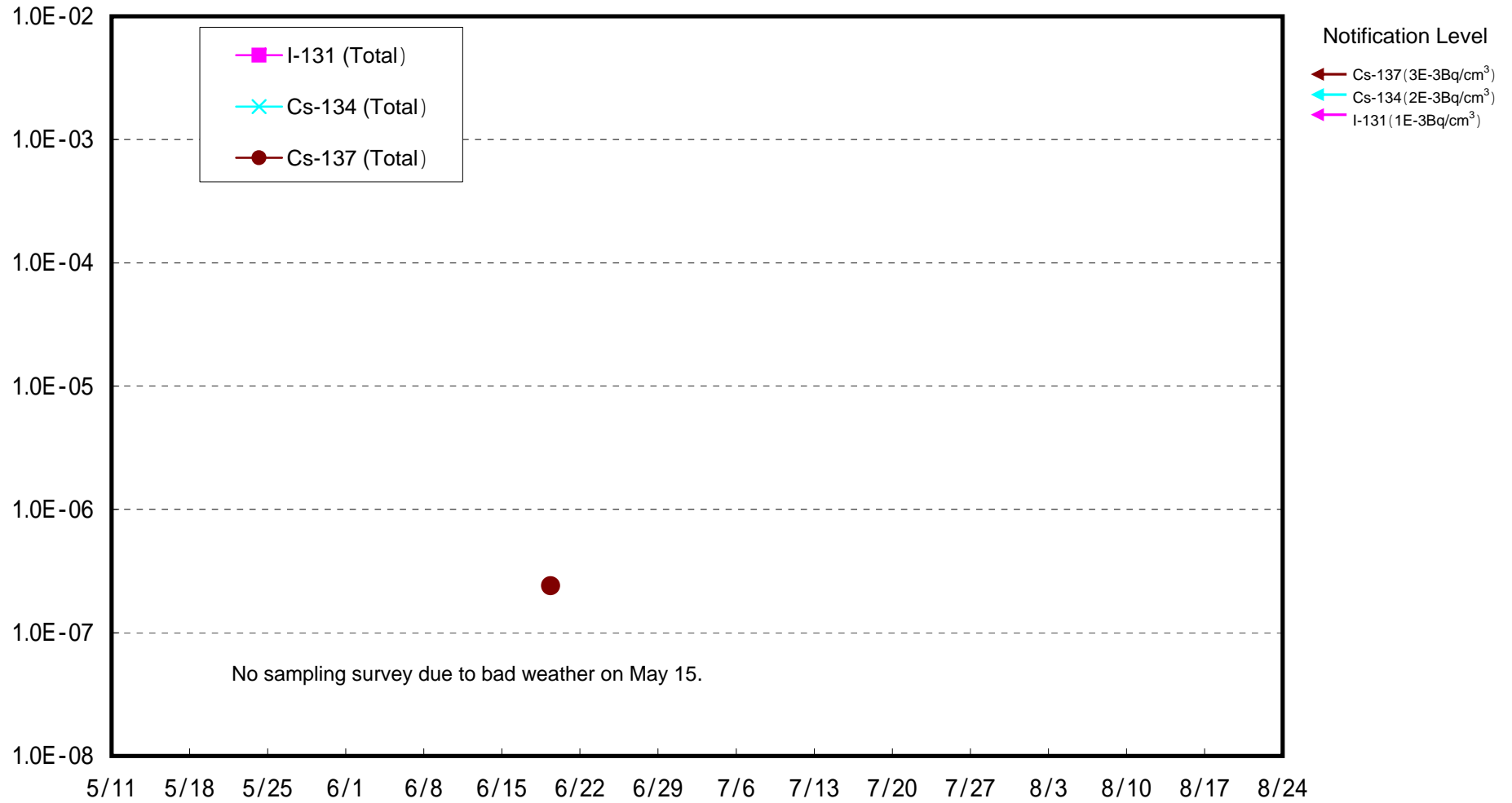
(Reference) Dust Nuclides Analysis Results of MP-1 at Fukushima Daini NPS (Bq/cm<sup>3</sup>)



### Dust Nuclides Analysis Result: MP-1 at Fukushima Daiichi NPS (Bq/cm<sup>3</sup>)



### Dust Nuclides Analysis Result: MP-3 at Fukushima Daiichi NPS (Bq/cm<sup>3</sup>)



Dust Nuclides Analysis Result: MP-8 at Fukushima Daiichi NPS (Bq/cm<sup>3</sup>)

