Reference

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

(Data summarized on August 8)

Place of Sampling	The West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini NPS (Reference)				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	August 7, 2012 7:00 AM - 12:00 PM		August 7, 2012 9:25 AM - 9:35 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	-			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^{-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 at the west gate of Fukushima Daiichi NPS are as follows: Volatile: I-131: Approx. 1E-7Bq/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. 2E-6Bq/cm3, Cs-134: Approx.2E-6Bq/cm3, Cs-137: Approx.2E-6Bq/cm3 Particulate: I-131: Approx. 7E-7Bq/cm3, Cs-134: Approx.6E-7Bq/cm3, Cs-137: Approx.1E-6Bq/cm3

Reference

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

(Data summarized on August 8)

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	August 7, 2012 8:02 AM - 1:02 PM		August 7, 2012 7:31 AM - 12:31 PM		August 7, 2012 7:43 AM - 12:43 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

* 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. 9E-8Bq/cm3, Cs-134: Approx.2E-7Bq/cm3, Cs-137: Approx.3E-7Bq/cm3 Particulate: I-131: Approx. 6E-8Bq/cm3, Cs-134: Approx.1E-7Bq/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.

Analysis Result of Sr in the Air at Fukushima Daiichi Nuclear Power Station

1. Measurement Result

(Unit: Bq/cm^3)

Sampling location	Type	Date	Sr-89	Sr-90
West gate of Fukushima Daiichi NPS	Volatile	April 16	N.D.	N.D.
	Particulate		N.D.	N.D.

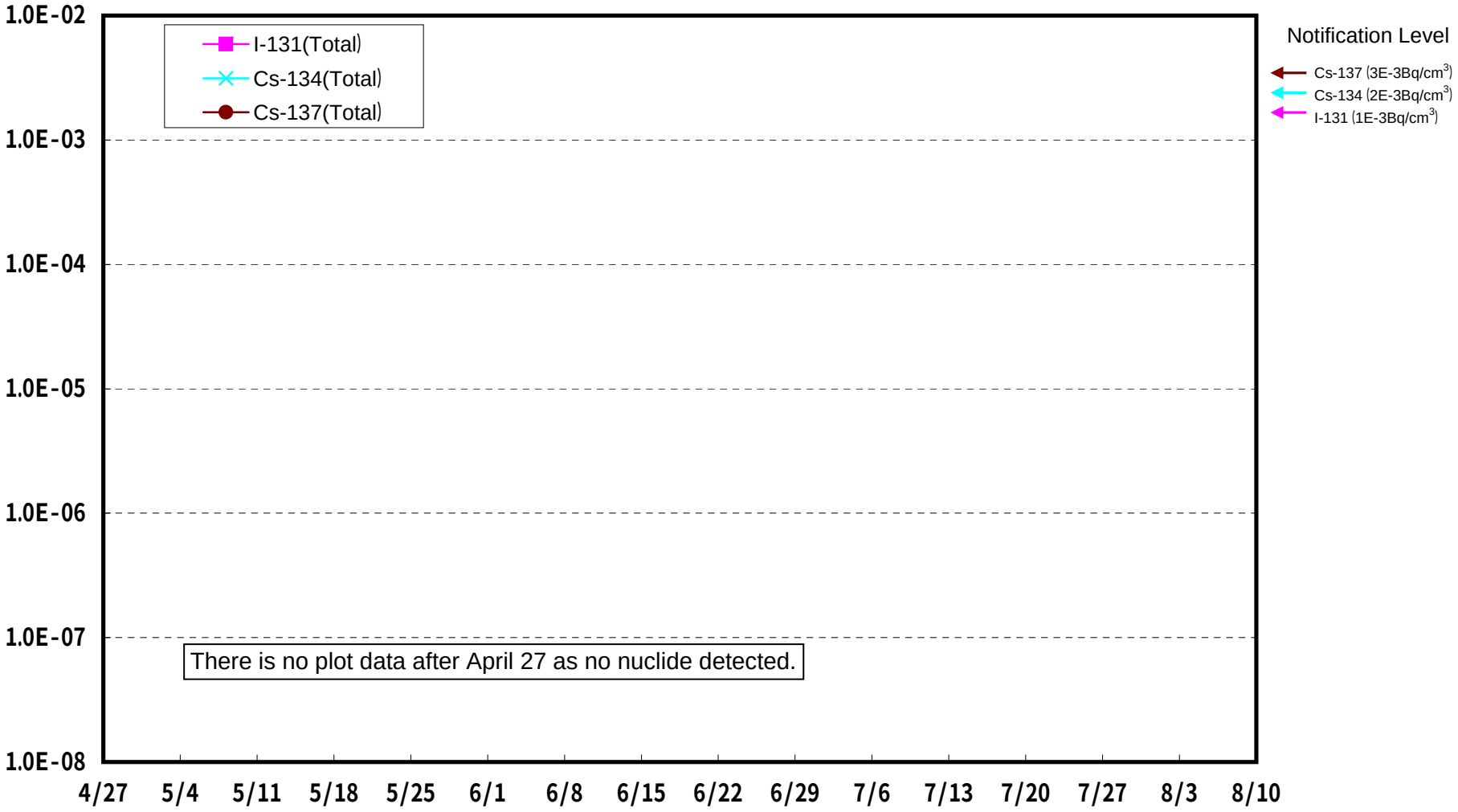
2. Analysis organization: Kaken Inc.

3. Evaluation

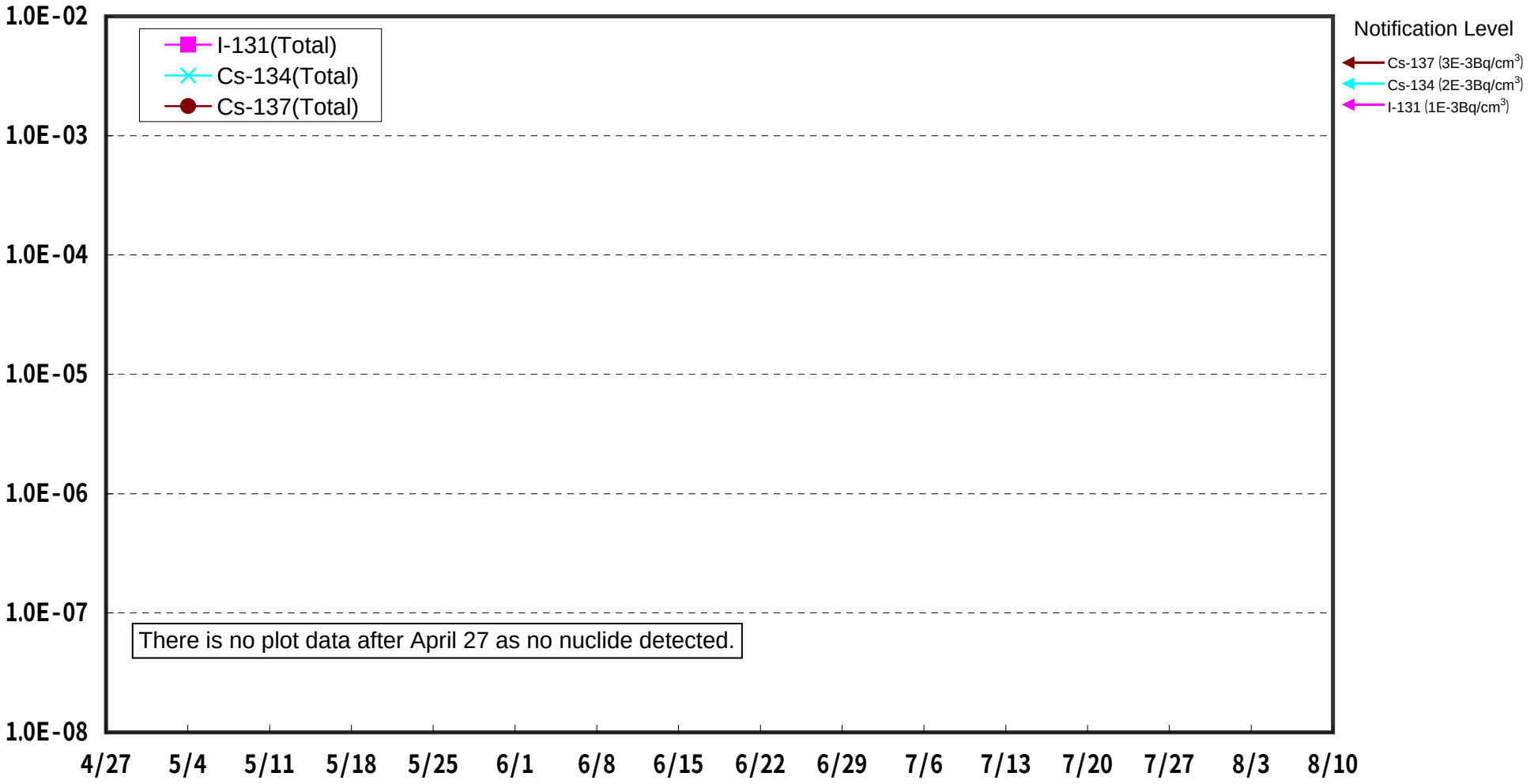
Sr-89 and Sr-90 were not detected from the samples measured this time.

End

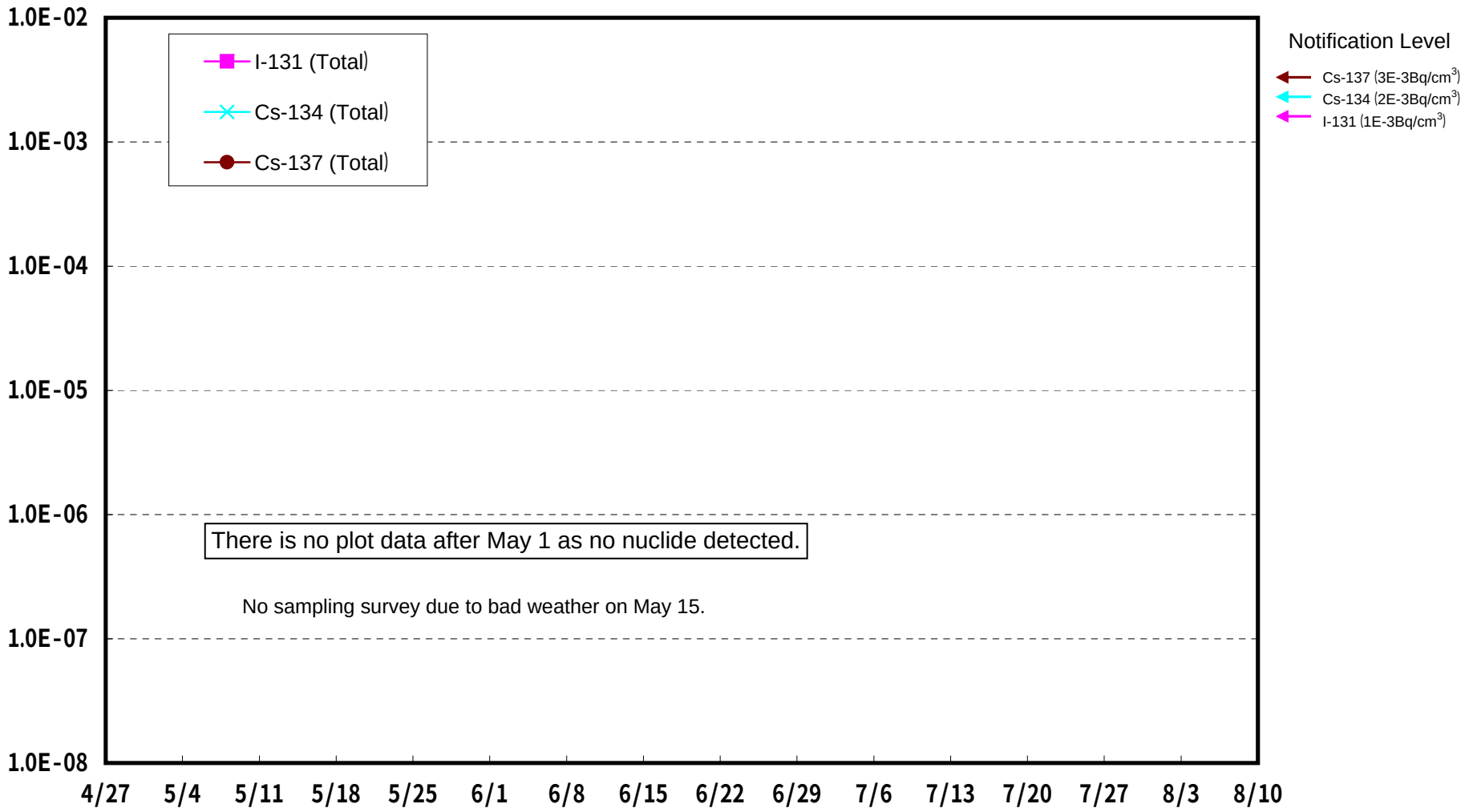
Dust Nuclides Analysis Result: The West Gate of Fukushima Daiichi Nuclear Power Station (Bq/cm^3)



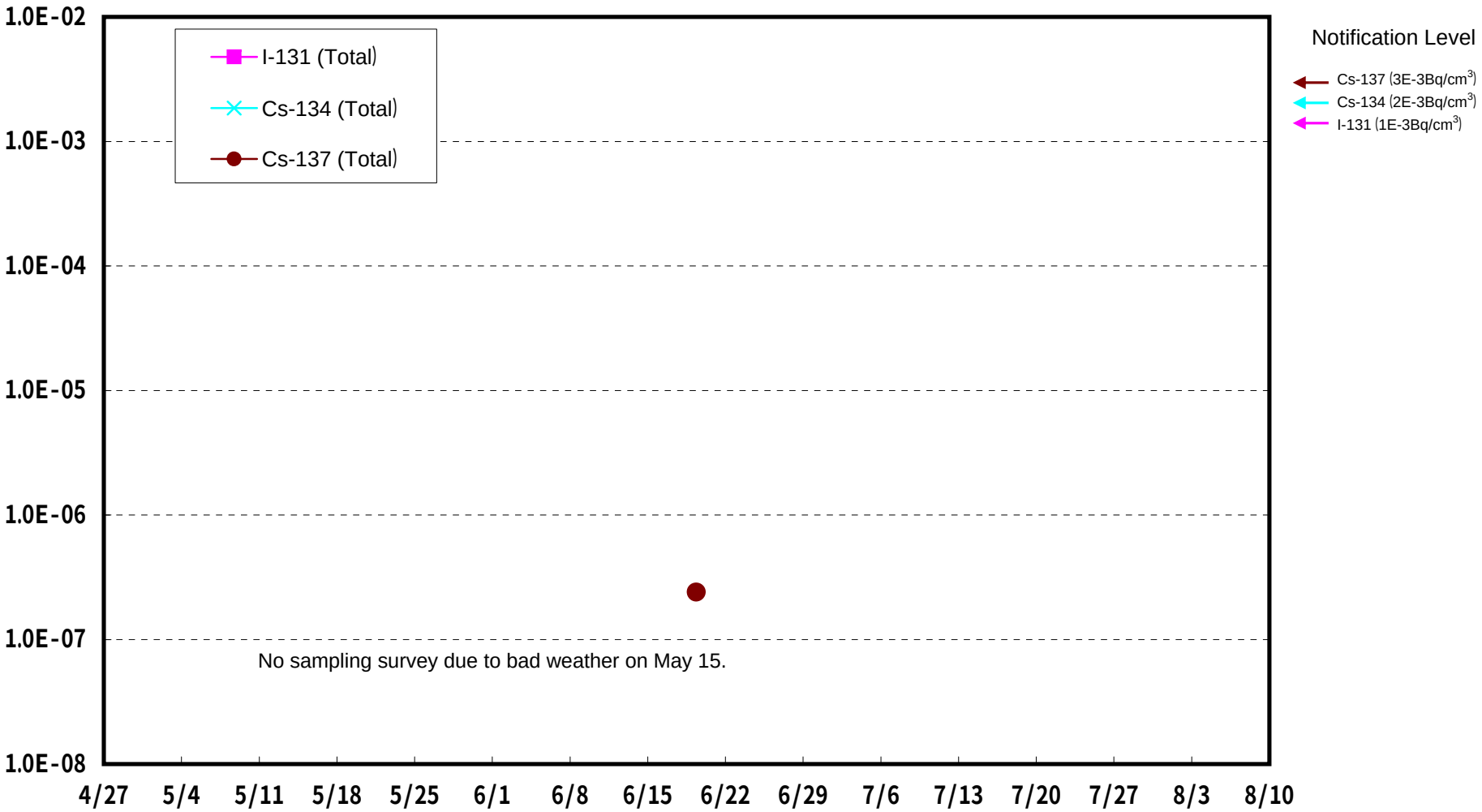
(Reference) Dust Nuclides Analysis Results of MP-1 at Fukushima Daini NPS (Bq/cm^3)



Dust Nuclides Analysis Result: MP-1 at Fukushima Daiichi NPS (Bq/cm^3)



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



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