

Nuclides Analysis Result of the Sub-drain of Fukushima Daiichi NPS

(Data summarized on September 4)

Place of Sampling	Fukushima Daiichi NPS Unit 1 Sub-drain	Fukushima Daiichi NPS Unit 2 Sub-drain	Fukushima Daiichi NPS Unit 3 Sub-drain	Fukushima Daiichi NPS Unit 4 Sub-drain	Fukushima Daiichi NPS Unit 5 Sub-drain	Fukushima Daiichi NPS Unit 6 Sub-drain	Deep Well at Fukushima Daiichi NPS
Time of Sampling	Sep 3, 2012 8:53 AM	Sep 3, 2012 9:03 AM	Sep 3, 2012 9:07 AM	Sep 3, 2012 9:12 AM	N/A	N/A	Sep 3, 2012 8:20 AM
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)						
I-131 (Approx. 8 days)	ND	ND	ND	ND	-	-	ND
Cs-134 (Approx. 2 years)	8.3E-02	3.1E-01	ND	ND	-	-	ND
Cs-137 (Approx. 30 years)	1.6E-01	5.4E-01	ND	ND	-	-	ND

* O.OE - O is the same as O.O x 10⁻⁰

* Data of other nuclides is under evaluation.

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

I-131: Approx. 2E-2Bq/cm³, Cs-134: Approx.2E-2Bq/cm³, Cs-137: Approx.2E-2Bq/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 Sub-Drain

Place of Sampling	Unit 2 Sub-Drain	Unit 3 Sub-Drain
Date of Sampling	May 14, 2012	May 14, 2012
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	
I-131 (Approx. 8 days)	ND	ND
Cs-134 (Approx. 2 years)	3.8E-01	ND
Cs-137 (Approx. 30 years)	6.2E-01	ND
H-3 (Approx. 12years)	5.0E-01	7.6E-02
All α	ND	ND
All β	1.3E+00	2.5E-02
Sr-89 (Approx. 51 days)	1.4E-02	ND
Sr-90 (Approx. 29 years)	3.2E-01	9.1E-05

* 0.0E±0 is the same as 0.0x10±⁰.

* As for I-131, Cs-134 and Cs-137, we announced it on May 15.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

I-131: Approx. 2E-2Bq/cm³ , Cs-134: Approx.2E-2Bq/cm³ , Cs-137: Approx.3E-2Bq/cm³ ,

All α: Approx. 3E-3Bq/cm³ , Sr-89: Approx. 4E-5Bq/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 of Sr-89 and Sr-90 were done by KAKEN Inc.

(Evaluation)

H-3 , All β , Sr-89 and Sr-90 were detected supposedly as a result of this accident.

Result of Pu Nuclide Analysis of Sub-Drain at Fukushima Daiichi Nuclear Power Station

1. Result analysis:

(Unit: Bq/cm³)

Place of Sampling	Date of Sampling	Pu-238	Pu-239+Pu-240
Unit 1 Sub-Drain	April 16, 2012	N.D. [$<9.8 \times 10^{-7}$]	N.D. [$<8.3 \times 10^{-7}$]
Unit 2 Sub-Drain		N.D. [$<9.8 \times 10^{-7}$]	N.D. [$<8.3 \times 10^{-7}$]

The detection limit is provided in parentheses.

2. Analytical Institution:

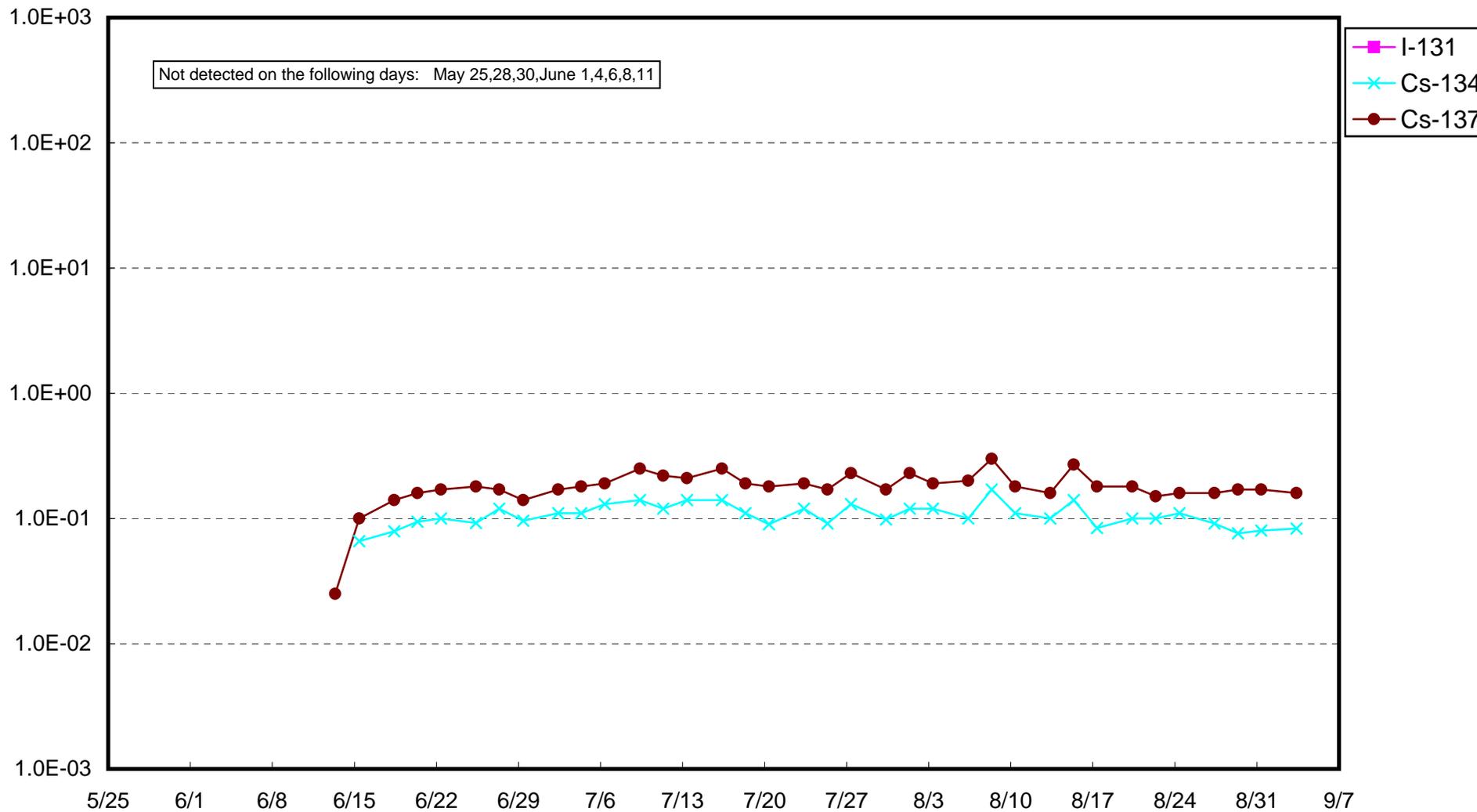
KAKEN Inc.

3. Evaluation:

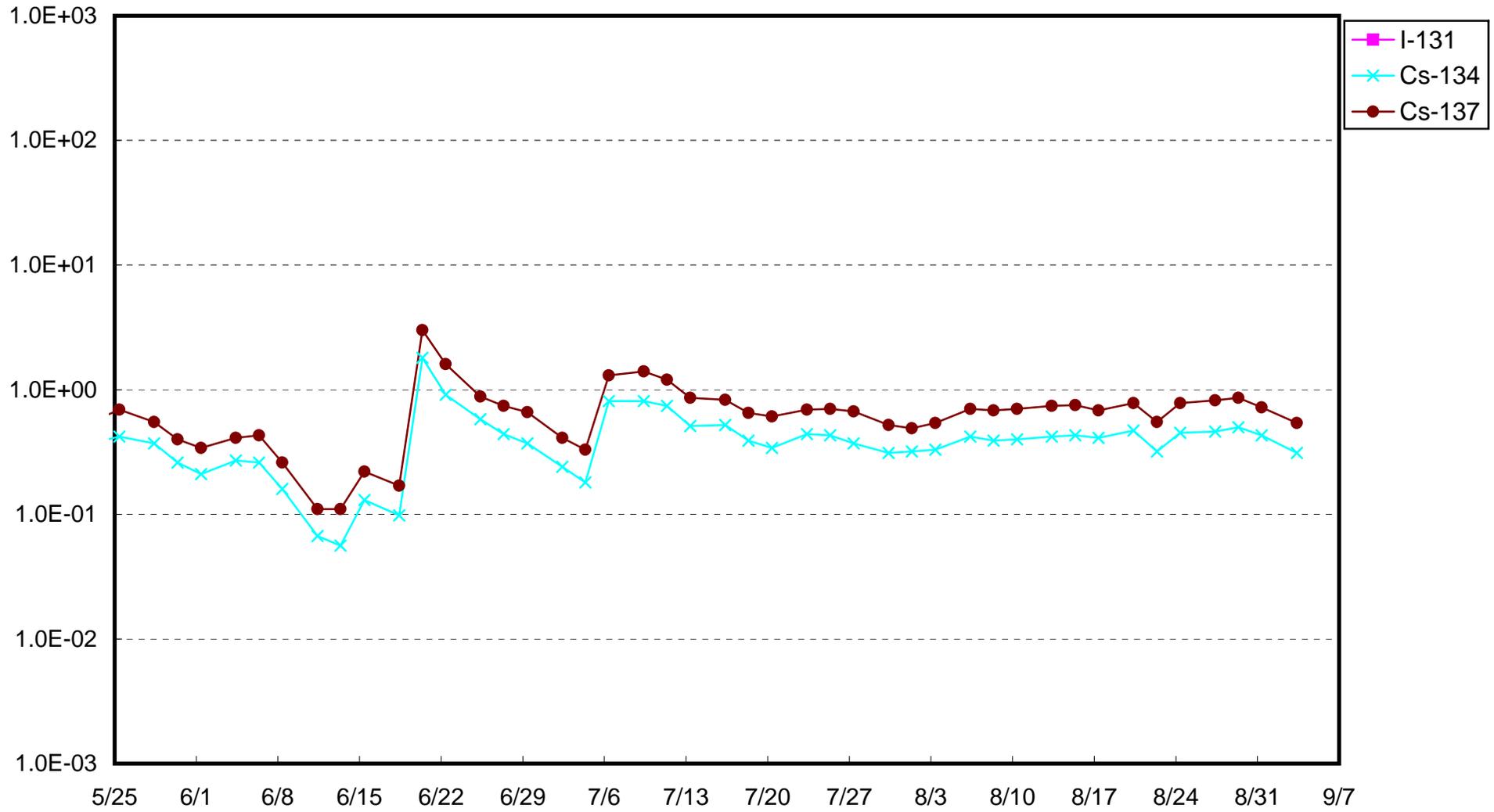
Pu-238 and Pu-239+Pu-240 were not detected in the sample collected this time.

End

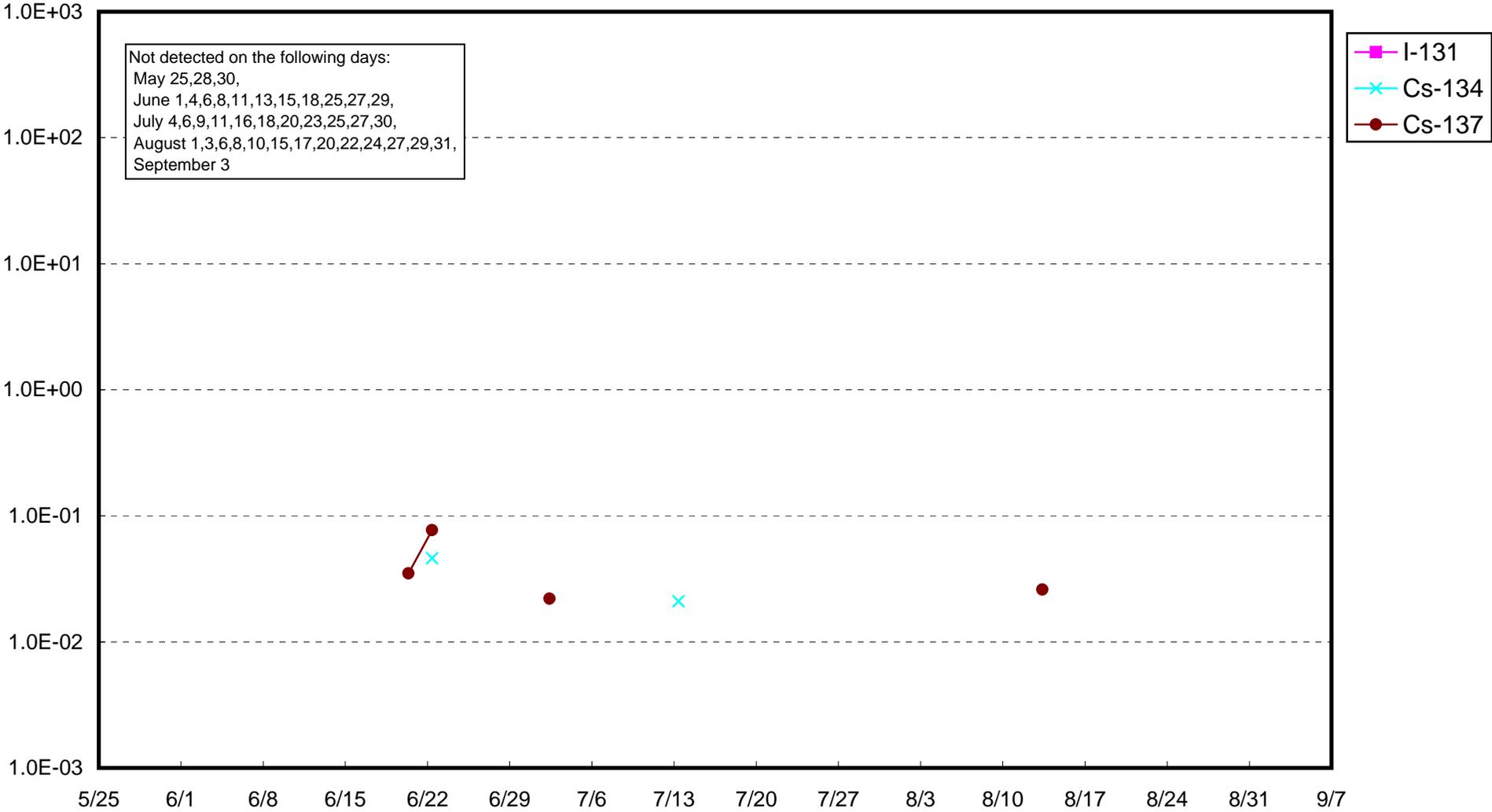
Fukushima Daiichi Nuclear Power Station: Radioactivity Density of Unit 1 Sub-drain (Bq/cm³)



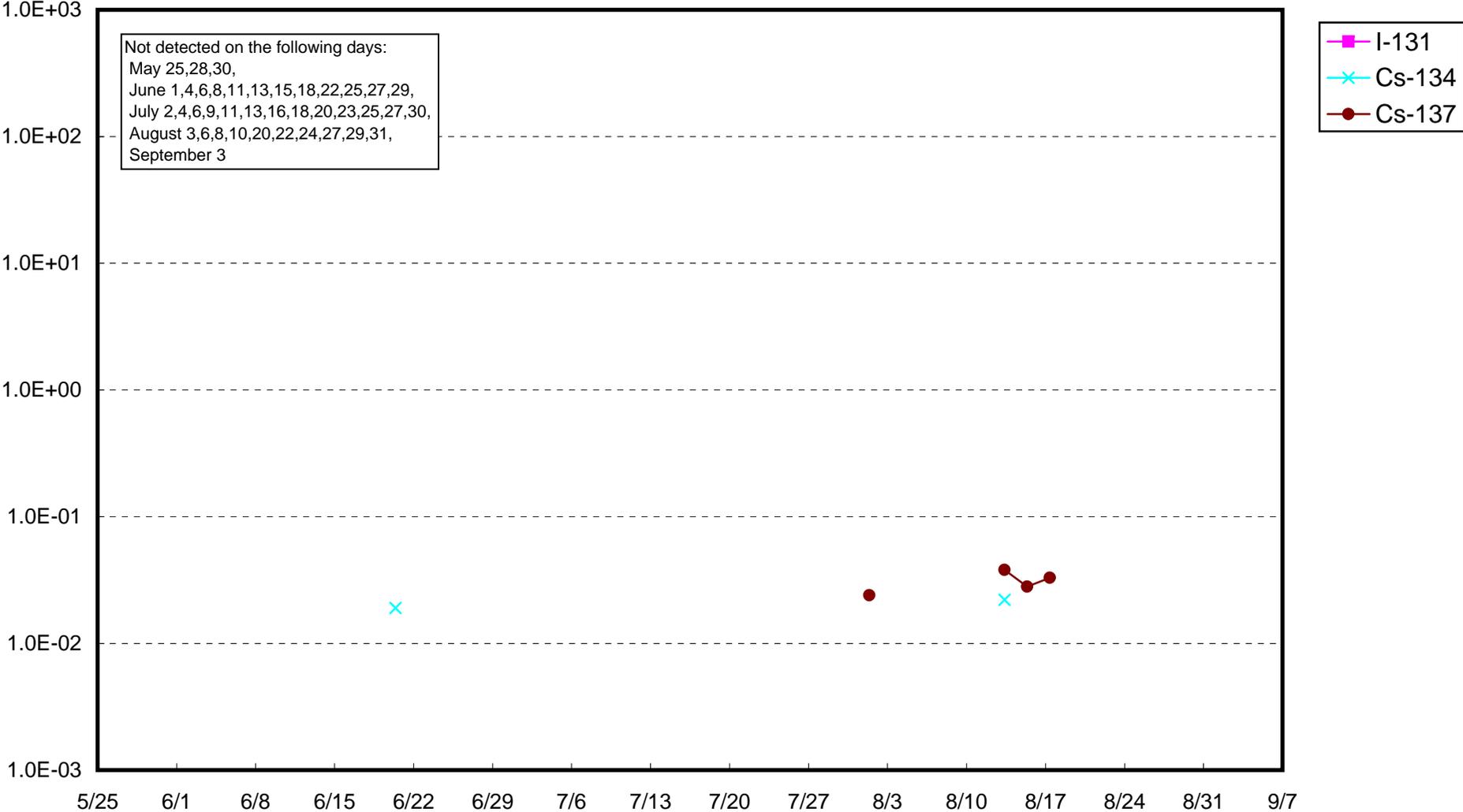
Fukushima Daiichi Nuclear Power Station: Radioactivity Density of Unit 2 Sub-drain (Bq/cm³)



Fukushima Daiichi Nuclear Power Station: Radioactivity Density of Unit 3 Sub-drain (Bq/cm3)



Fukushima Daiichi Nuclear Power Station: Radioactivity Density of Unit 4 Sub-drain (Bq/cm3)



Fukushima Daiichi Nuclear Power Station: Radioactivity Density at the Deep Well at the Site (Bq/cm³)

