

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

(Data summarized on April 23)

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	Apr 22, 2013 8:42 AM	Apr 22, 2013 8:39 AM	Apr 22, 2013 8:35 AM	Apr 22, 2013 8:32 AM	N/A	N/A	Apr 22, 2013 7:05 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)	1.6E-01	1.6E-01	ND	ND	-	-	ND
Cs-137 (Approx. 30 years)	2.9E-01	3.2E-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. 1E-2Bq/cm³, Cs-134: Approx.2E-2Bq/cm³, Cs-137: Approx.2E-2Bq/cm³)
 sample properties, there are cases where nuclides below the detection limit are detected.

As the detection limit may vary depending on the detectors and

Nuclides Analysis Result of Radioactive Materials of Sub-Drain <1/2>

Place of Sampling	Unit 2 Sub-Drain at Fukushima Daiichi NPS	Deep Well at Fukushima Daiichi NPS
Date of Sampling	Sep 10, 2012	Sep 10, 2012
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	
I-131 (Approx. 8 days)	ND	ND
Cs-134 (Approx. 2 years)	2.5E-01	ND
Cs-137 (Approx. 30 years)	4.3E-01	ND
H-3 (approx. 12yrs)	2.5E-01	3.0E-03
All α	ND	ND
All β	7.6E-01	ND
Sr-89 (Approx. 51 days)	ND	ND
Sr-90 (Approx. 29 years)	8.3E-02	2.2E-05

* 0.0E±0 is the same as 0.0 x 10^{±0}

* Nuclide analysis results of I-131, Cs-134, Cs-137 were announced on September 11.

* 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. 2E-2Bq/cm³,

All α: Approx. 2E-3Bq/cm³, All β : 9E-3Bq/cm³, Sr-89: Approx. 3E-4Bq/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 and Sr-90 were detected supposedly as a result of this accident.

Nuclides Analysis Result of Radioactive Materials of Sub-Drain <2/2>

Place of Sampling	Unit 1 Sub-Drain at Fukushima Daiichi NPS	Unit 2 Sub-Drain at Fukushima Daiichi NPS
Date of Sampling	Oct 15, 2012	Oct 15, 2012
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	
I-131 (Approx. 8 days)	ND	ND
Cs-134 (Approx. 2 years)	4.5E-01	2.3E-01
Cs-137 (Approx. 30 years)	8.4E-01	4.0E-01
H-3 (approx. 12yrs)	7.6E+01	5.5E-01
All α	ND	ND
All β	1.4E+00	5.4E-01
Sr-89 (Approx. 51 days)	ND	ND
Sr-90 (Approx. 29 years)	2.5E-03	3.3E-02

* O.OE±O is the same as O.O x 10^{±0}

* Nuclide analysis results of I-131, Cs-134, Cs-137 were announced on October 16.

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

I-131: Approx. 2E-2Bq/cm³, All α: Approx. 2E-3Bq/cm³, Sr-89: Approx. 3E-4Bq/cm³

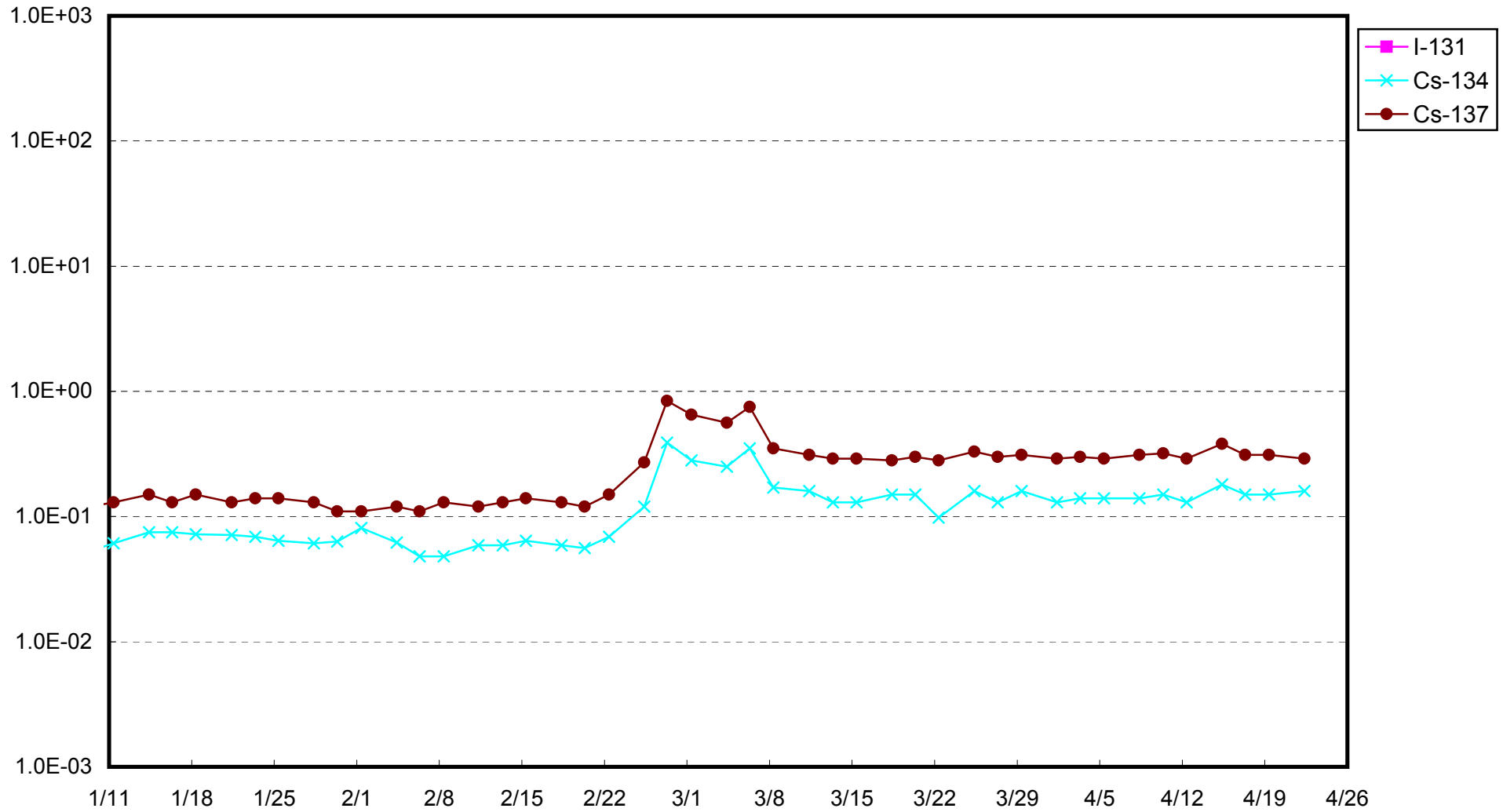
As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

* Nuclides analysis of Sr-89 and Sr-90 were done by KAKEN Inc..

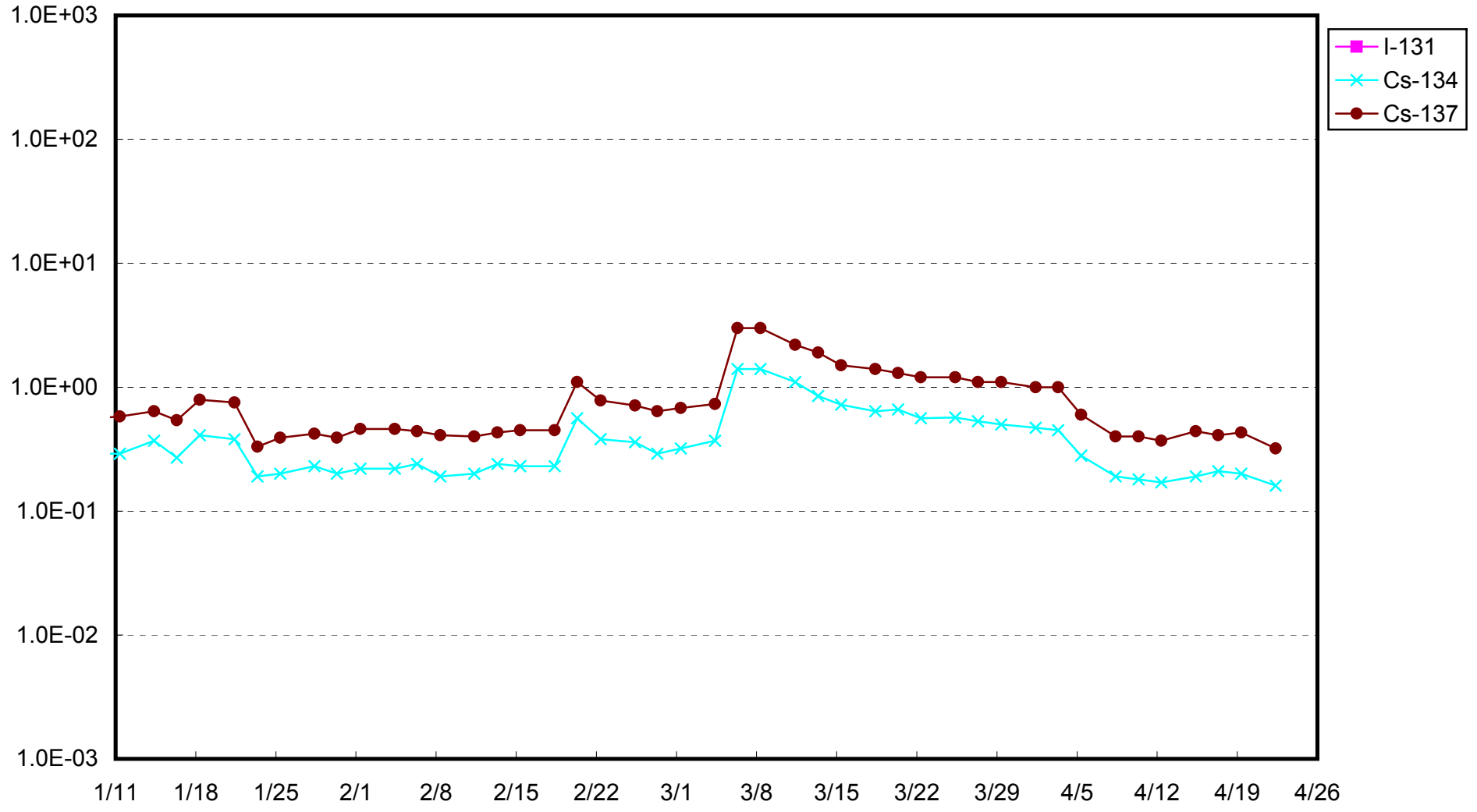
(Evaluation)

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

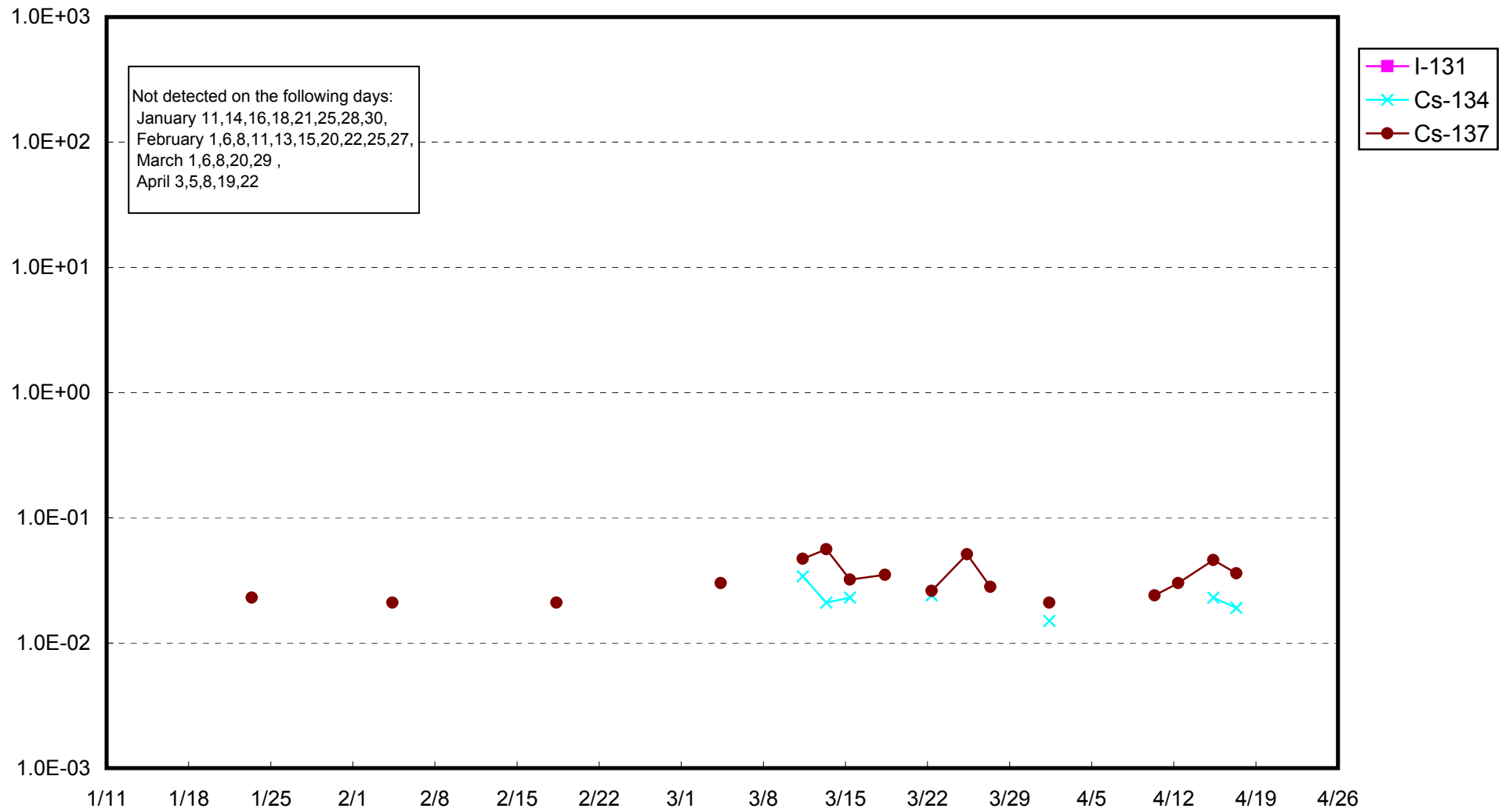
Fukushima Daiichi Nuclear Power Station: Radioactivity Density of Unit 1 Sub-drain (Bq/cm³)



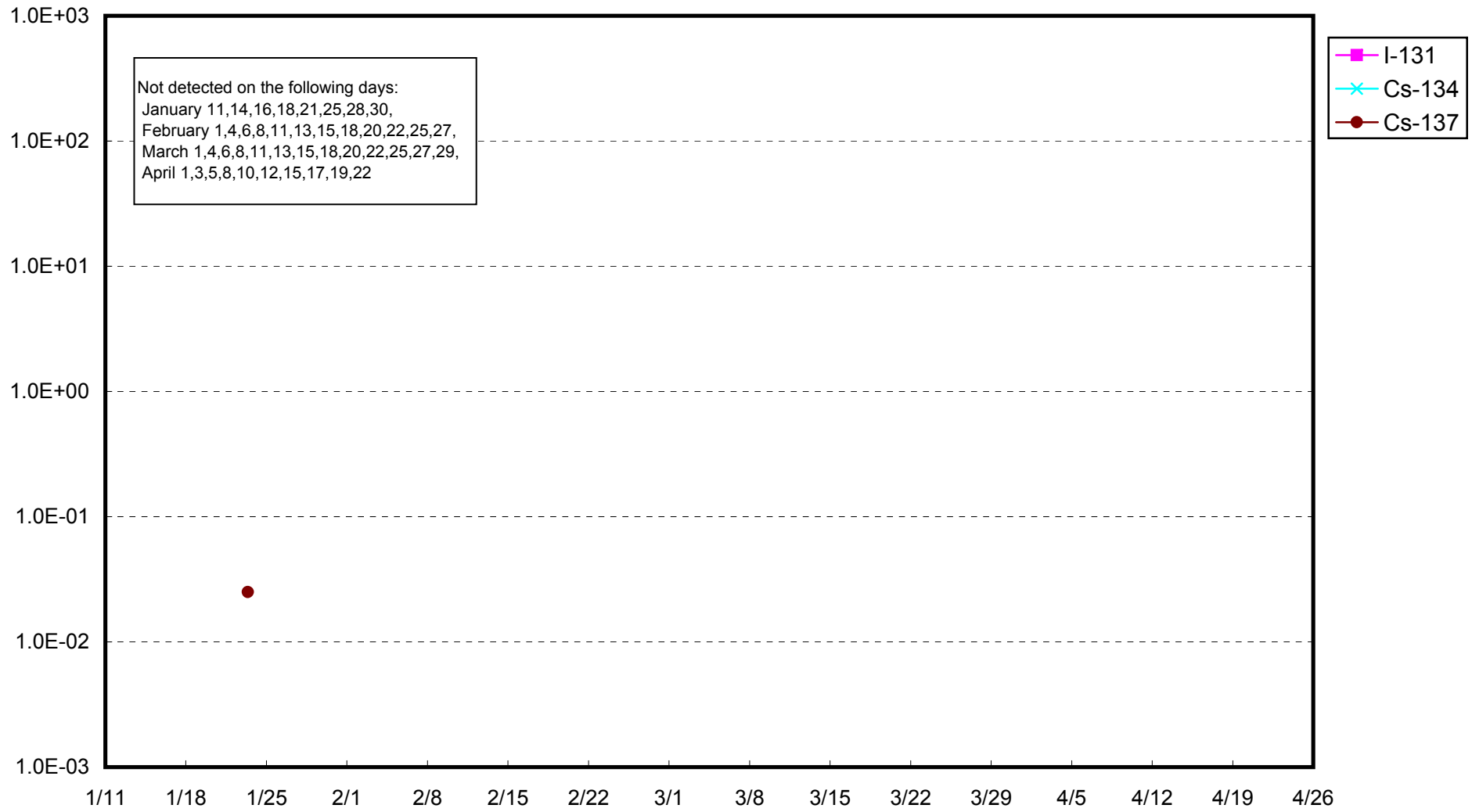
Fukushima Daiichi Nuclear Power Station: Radioactivity Density of Unit 2 Sub-drain (Bq/cm³)



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)

