

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

Reference

(Data summarized on October 2)

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	Oct 1, 2014 7:54 AM	Oct 1, 2014 7:49 AM	Oct 1, 2014 7:45 AM	Oct 1, 2014 7:38 AM	N/A	N/A	N/A
Detected Nuclides (Half-life)	Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (Approx. 8 days)	ND	ND	ND	ND	-	-	-
Cs-134 (Approx. 2 years)	2.3E-02	3.4E-02	ND	ND	-	-	-
Cs-137 (Approx. 30 years)	7.8E-02	1.4E-01	ND	ND	-	-	-

O.OE—O is the same as O.O x 10<sup>-0</sup>

\* Data of other nuclides is under evaluation.

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

I-131: Approx. 1E-2Bq/cm<sup>3</sup>, Cs-134: Approx.1E-2Bq/cm<sup>3</sup>, Cs-137: Approx.2E-2Bq/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.

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## Result of Pu in the Sub-drain at Fukushima Daiichi Nuclear Power Station

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(Data summarized on October 2)  
(Unit : Bq/cm<sup>3</sup>)

Place of Sampling	Date of Sampling	Pu-238	Pu-239+Pu-240
Unit 1 Subdrain	Apr 11, 2014	N.D. [ $5.8 \times 10^{-7}$ ]	N.D. [ $4.9 \times 10^{-7}$ ]
Unit 1 Subdrain	Apr 4, 2014	N.D. [ $6.0 \times 10^{-7}$ ]	N.D. [ $5.0 \times 10^{-7}$ ]
Deep well	Apr 11, 2014	N.D. [ $6.4 \times 10^{-7}$ ]	N.D. [ $5.4 \times 10^{-7}$ ]

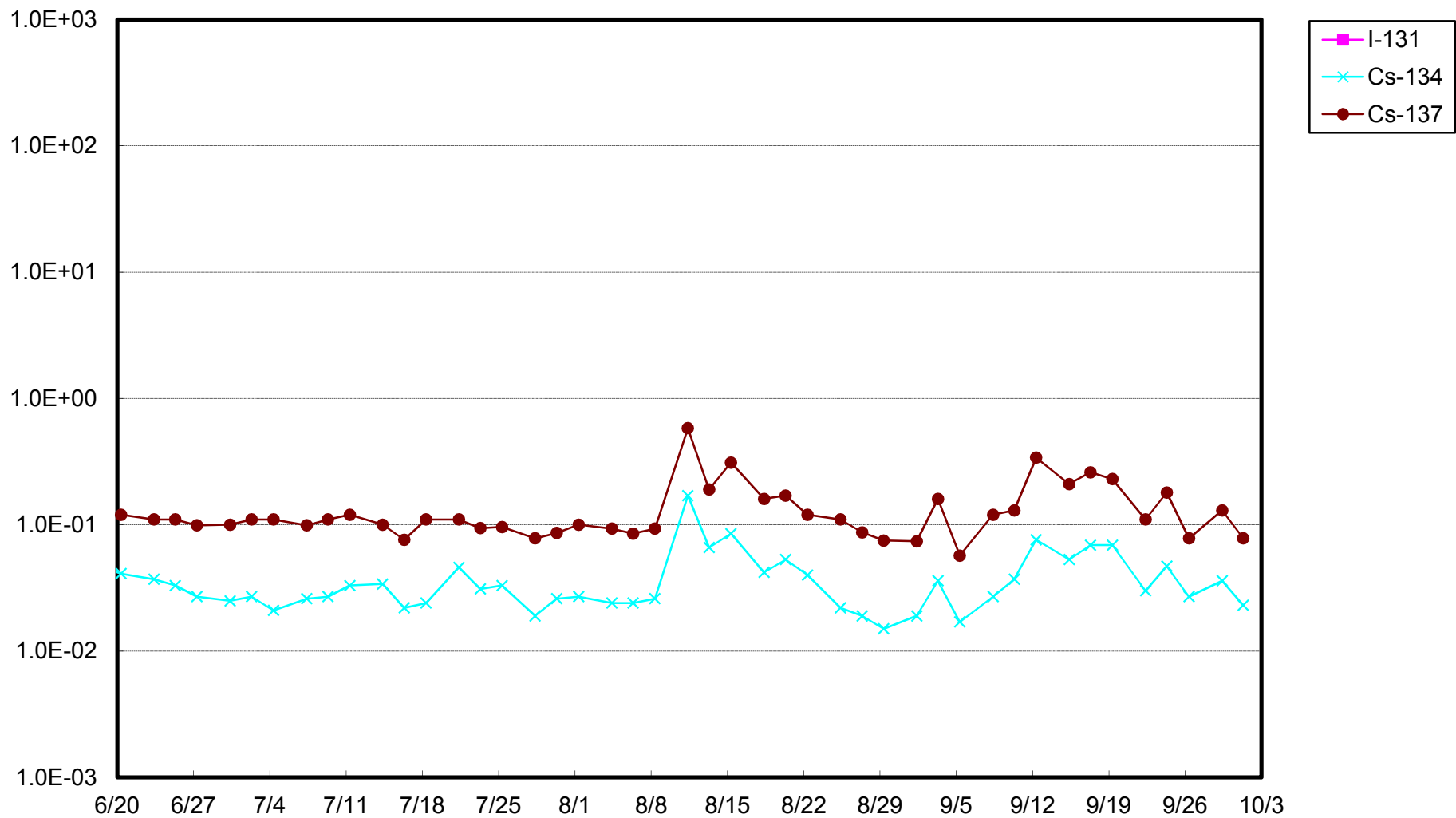
Figure in square brackets is detection limit.

2 Analysed by: KAKEN Co.,Ltd

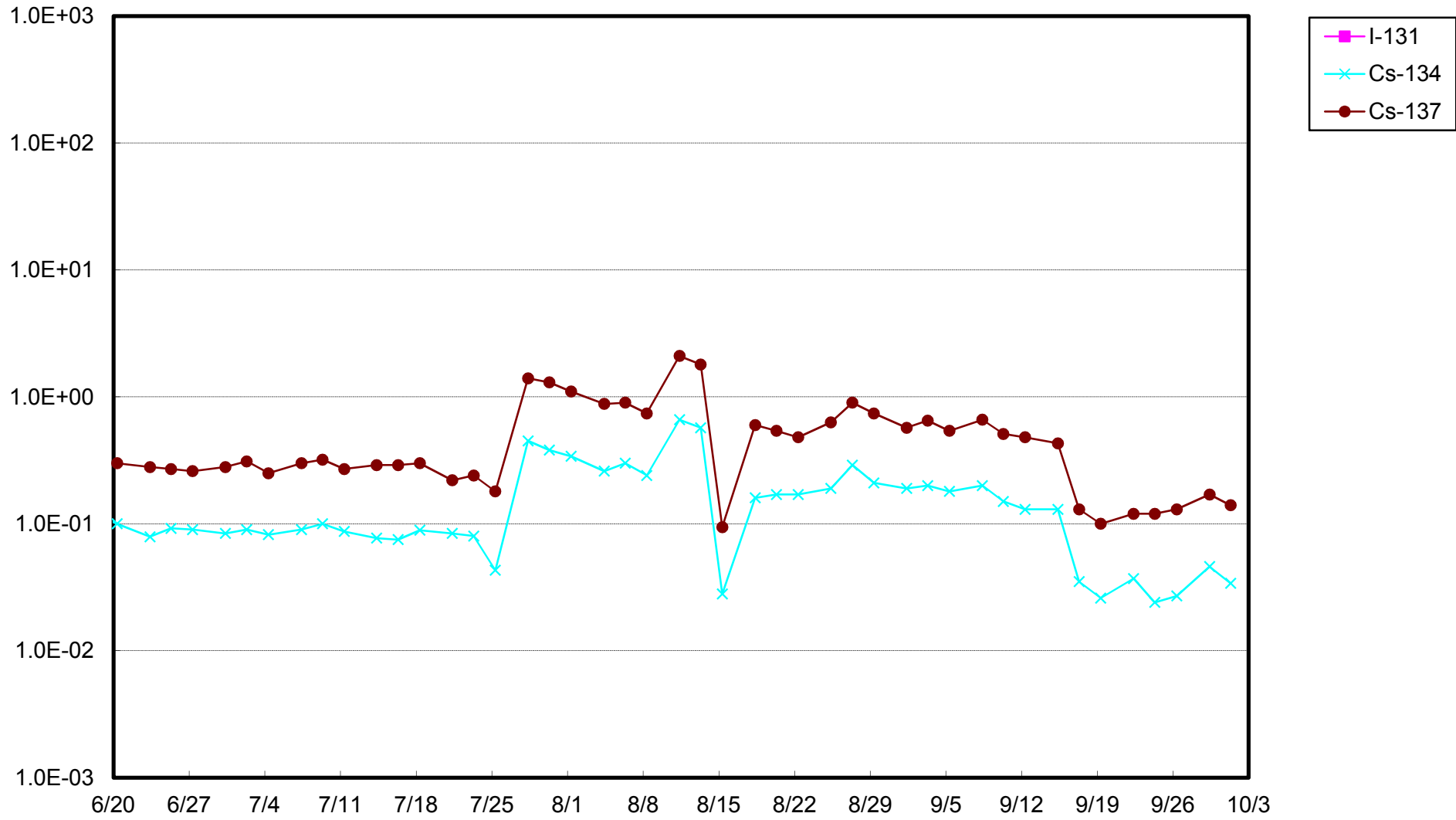
3 Evaluate

Neither Pu-238, Pu-239 nor Pu-240 were not detected.

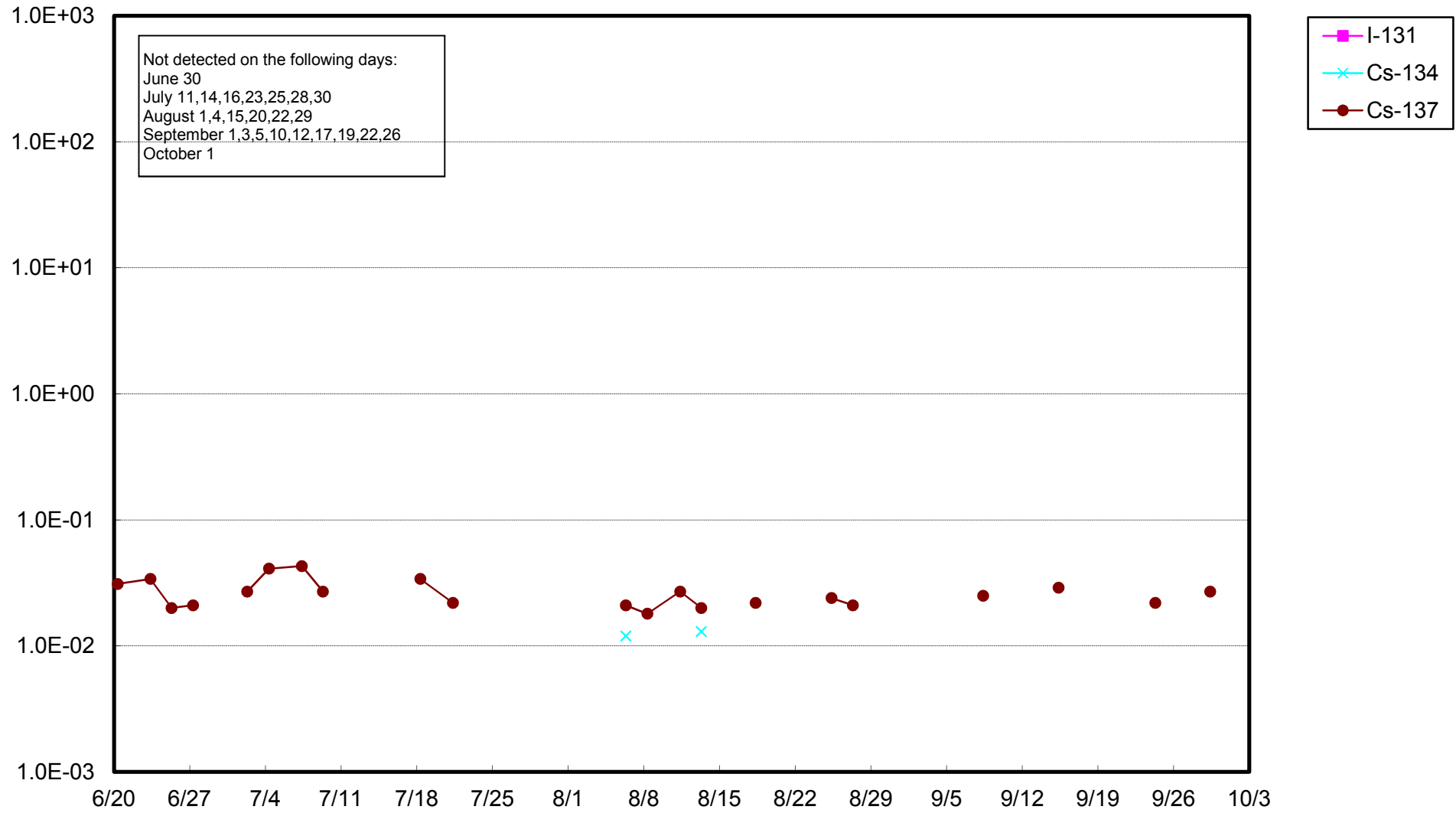
Fukushima Daiichi Nuclear Power Station: Radioactivity Density of Unit 1 Sub-drain (Bq/cm<sup>3</sup>)



Fukushima Daiichi Nuclear Power Station: Radioactivity Density of Unit 2 Sub-drain (Bq/cm<sup>3</sup>)



Fukushima Daiichi Nuclear Power Station: Radioactivity Density of Unit 3 Sub-drain (Bq/cm<sup>3</sup>)



Fukushima Daiichi Nuclear Power Station: Radioactivity Density of Unit 4 Sub-drain (Bq/cm<sup>3</sup>)

