

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

Reference

(Data summarized on December 16)

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	Dec 15, 2014 9:15 AM	Dec 15, 2014 9:10 AM	Dec 15, 2014 9:05 AM	Dec 15, 2014 8:58 AM	N/A	N/A	N/A
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)						
I-131 (Approx. 8 days)	ND	ND	ND	ND	-	-	-
Cs-134 (Approx. 2 years)	1.4E-02	7.3E-02	ND	ND	-	-	-
Cs-137 (Approx. 30 years)	7.7E-02	2.3E-01	ND	ND	-	-	-

* 0.0E-0 is the same as 0.0 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.1E-2Bq/cm³, Cs-137: Approx.2E-2Bq/cm³)
and sample properties, there are cases where nuclides below the detection limit are detected.

As the detection limit may vary depending on the detectors

Sub-drain Nuclide analysis result

(Data summarized on December 16)

Place of Sampling	Fukushimna daiichi Unit 2 sub-drain	Fukushimna daiichi Unit 6 sub-drain
Date of Sampling	Aug 8, 2014	Aug 8, 2014
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	
I-131 (Approx. 8 days)	ND	ND
Cs-134 (Approx. 2 years)	2.4E-01	ND
Cs-137 (Approx. 30 years)	7.4E-01	ND
H-3 (approx. 12yrs)	1.8E-01	1.3E-02
All α	ND	ND
All β	1.3E+00	5.5E-03
Sr-89 (Approx. 51 days)	ND	ND
Sr-90 (Approx. 29 years)	1.3E-01	5.1E-05

* $0.0E \pm 0$ means same as $0.0 \times 10 \pm 0$

* The data of I-131, Cs-134, Cs-137 were announced on 9th August.

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

I-131: Approx. $8E-3$ Bq/cm³, Cs-134: Approx. $1E-2$ Bq/cm³, Cs-137: Approx. $2E-2$ Bq/cm³,

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

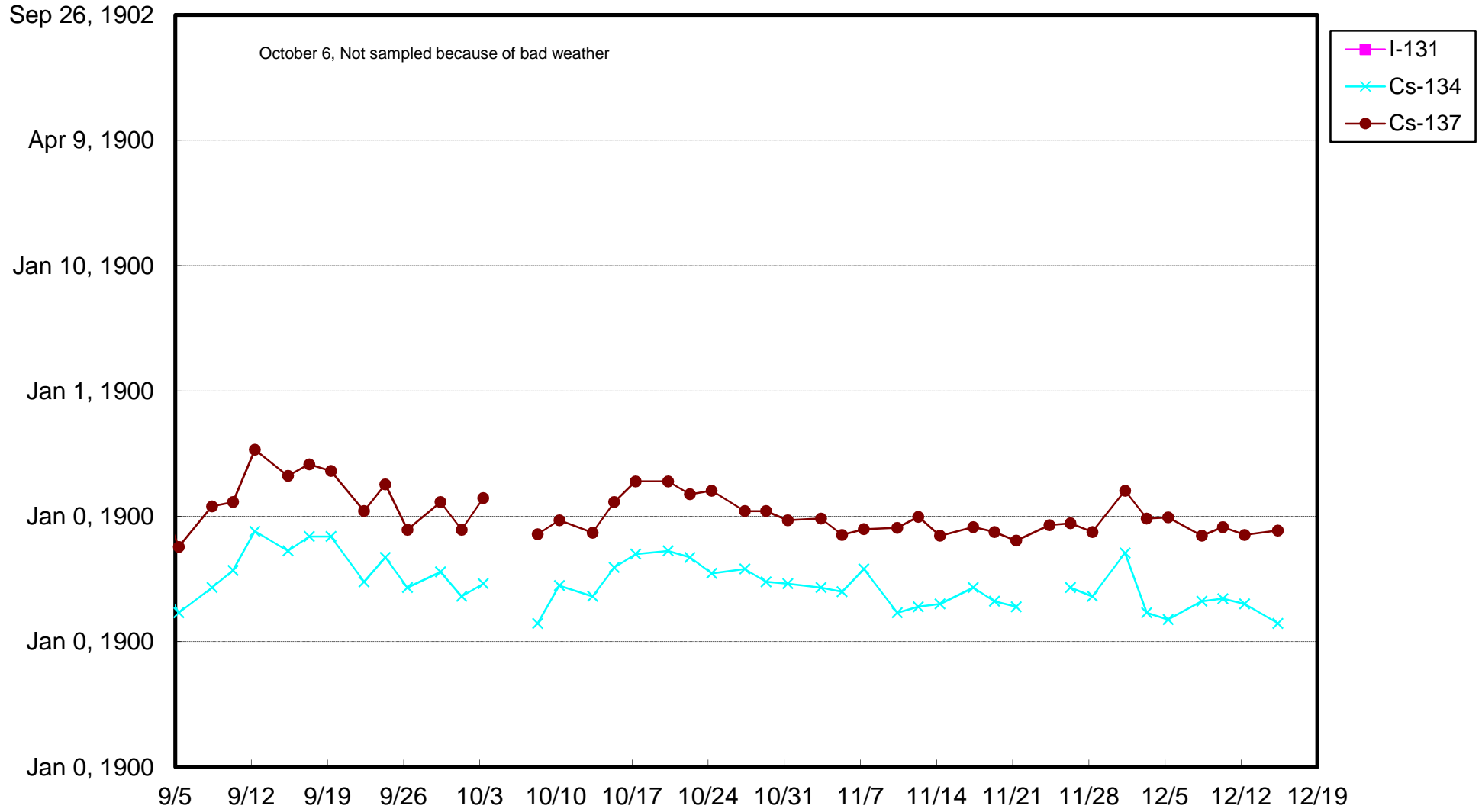
As the detection limit may vary depending on the detectors and sample properties, there are cases where nucli

* Sr-89, Sr-90 were analyzed by KAKEN co.,Ltd

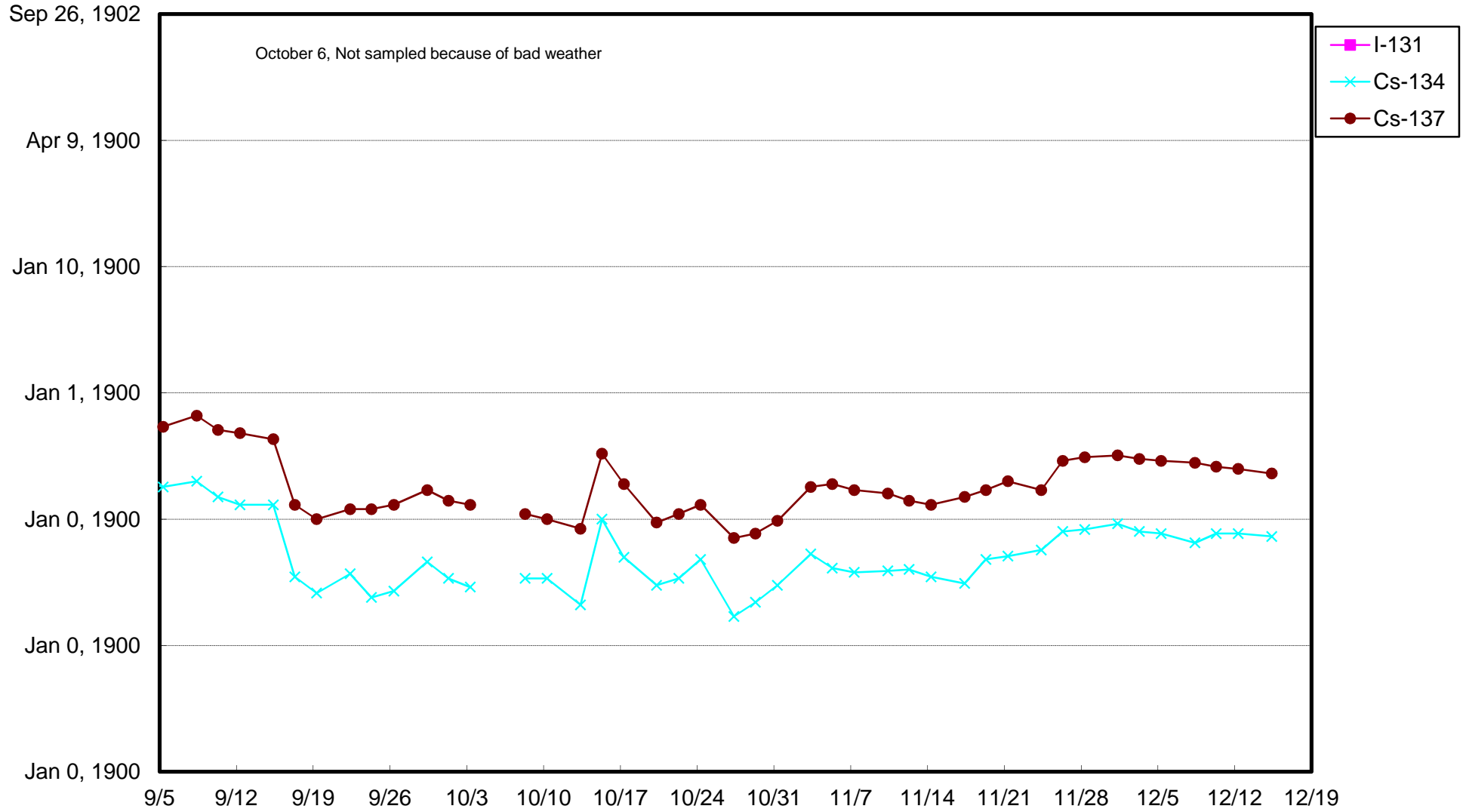
(Evaluation)

H-3, All β radiations, Sr-90 were detected and those are considered as a result of the accident.

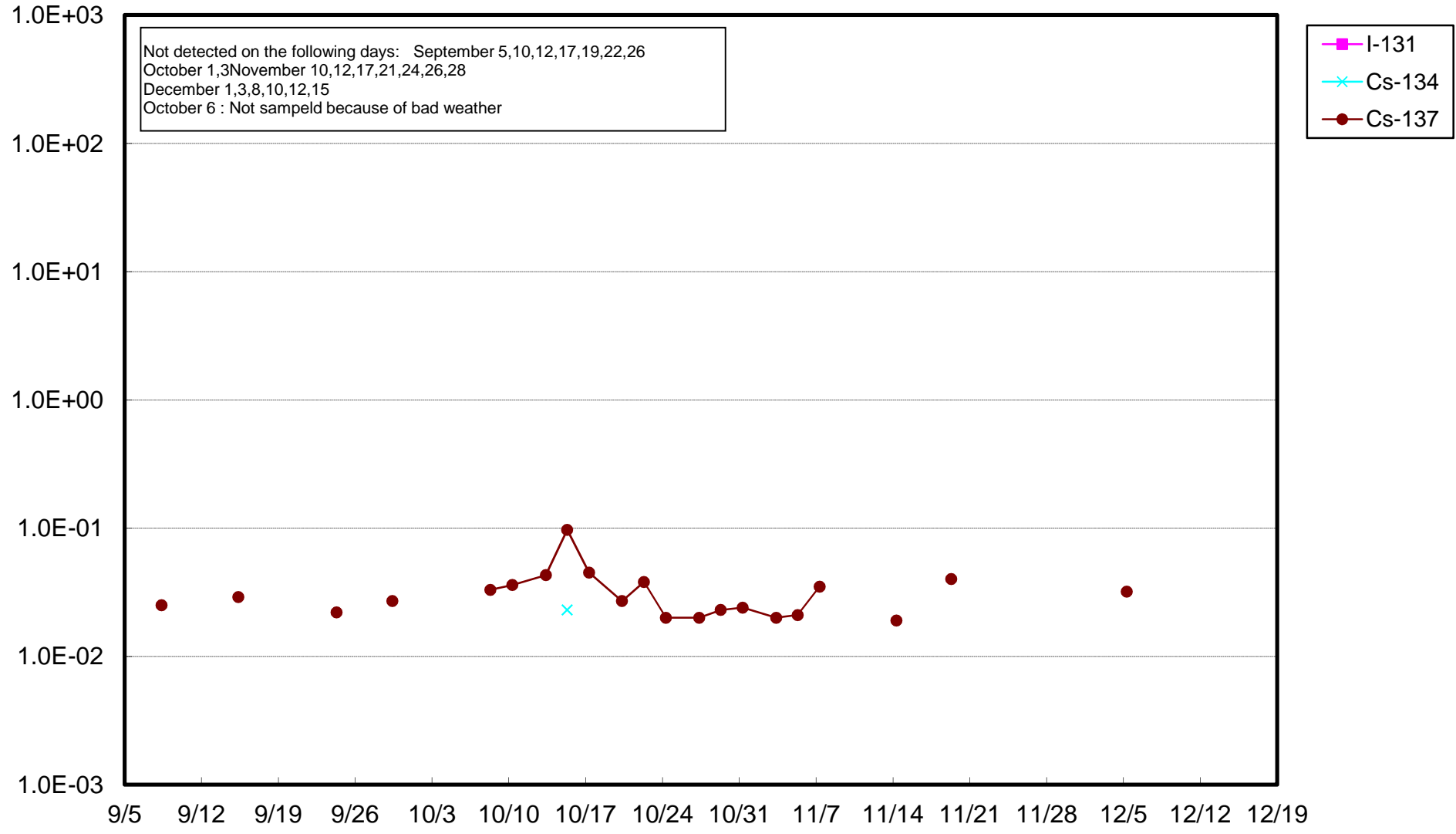
Fukushima Daiichi Nuclear Power Station: Radioactivity Density of Unit 1 Sub-drain (Bq/cm³)



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)

