Reference

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

(Data summarized on November 14)

Place of Sampling	The West Gate of Daiichi N						② Density Limit Specified by the Reactor Regulation
Time of Sampling	November 13 7:00 AM - 12	•	November 13, 2012 10:12 AM - 10:22 AM				(Bq/cm³) (Density limit in the air which radiation workers breathe in
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm³)	Scaling Factor (①/②)	①Density of Sample (Bq/cm³)	Scaling Factor (①/②)	①Density of Sample (Bq/cm³)	Scaling Factor (①/②)	is specified in section 4 of Appendix 2)
I-131 (Approx. 8 days)	ND	ı	ND	-			1E-03
Cs-134 (Approx. 2 years)	ND	1	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 $O.O \times 10^{-O}$

Data of other nuclides is under examination.

The detection limits at the west gate of Fukushima Daiichi NPS 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.2E-7Bq/cm3 The detection limits at MP-1 of Fukushima Daini MPS are as follows: Volatile: I-131: Approx. 1E-6Bq/cm3, Cs-134: Approx.2E-6Bq/cm3, Cs-137: Approx.2E-6Bq/cm3 Particulate: I-131: Approx. 6E-7Bq/cm3, Cs-134: Approx.9E-7Bq/cm3, Cs-137: Approx.8E-7Bq/cm3

^{*} In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

^{* &}quot;ND" indicates that the measurement result is below the detection limit.

Reference

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

(Data summarized on November 14)

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/cm³) (Density limit in the air which radiation workers breathe in
Time of Sampling	November 13, 2012 7:47 AM - 12:47 PM		November 13, 2012 8:47 AM - 1:47 PM		November 13, 2012 8:01 AM - 1:01 PM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm³)	Scaling Factor (1)/2)	①Density of Sample (Bq/cm³)	Scaling Factor (1)/2)	①Density of Sample (Bq/cm³)	Scaling Factor (①/②)	is specified in section 4 of Appendix 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)	1.9E-07	0.00	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 $O.O \times 10^{-O}$

Data of other nuclides is under examination.

The detection limits 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. 7E-8Bq/cm3, Cs-134: Approx.1E-7Bq/cm3, Cs-137: Approx.2E-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.

^{*} In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

^{* &}quot;ND" indicates that the measurement result is below the detection limit.

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

1. Result analysis:

(Unit: Bq/cm³)

Place of Sampling	Туре	Date of Sampling	Pu-238	Pu-239+Pu-240
1F, West Gate	Volatile	June 11, 2012	N.D. [<2.2×10 ⁻⁹]	N.D. [<1.9×10 ⁻⁹]
	Particulate		N.D. [<2.3×10 ⁻⁹]	N.D. [<2.0×10 ⁻⁹]

The detection limit is provided in parentheses.

2. Analytical Institution:

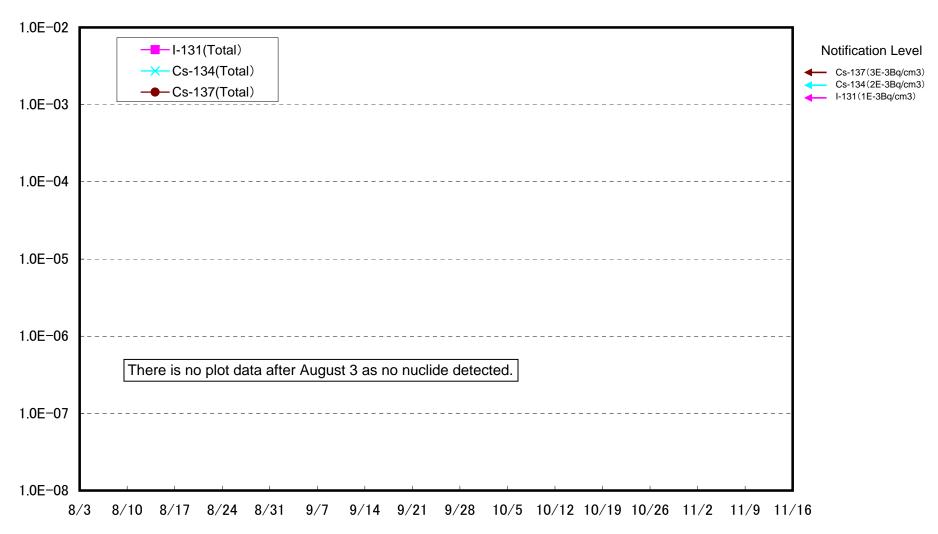
KAKEN Inc.

3. Evaluation:

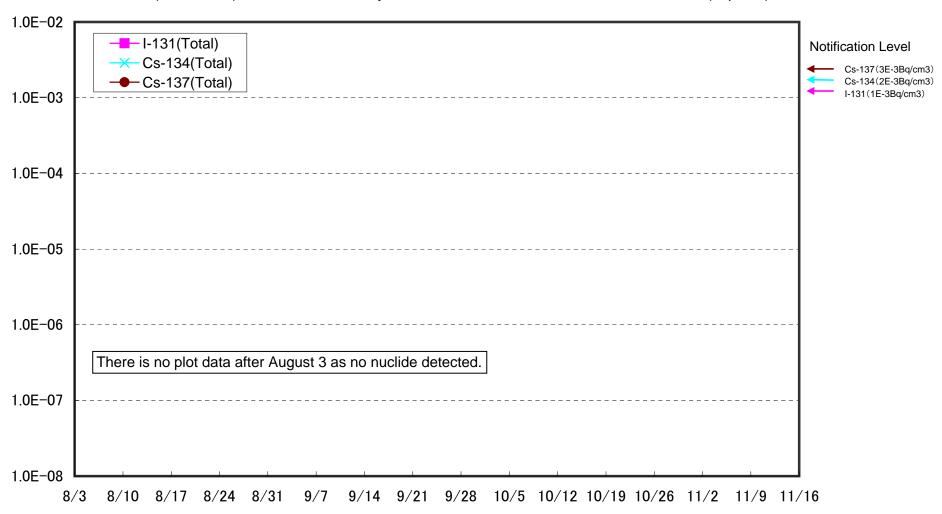
Pu-238 and Pu-239+Pu-240 were not detected in the sample collected this time.

End

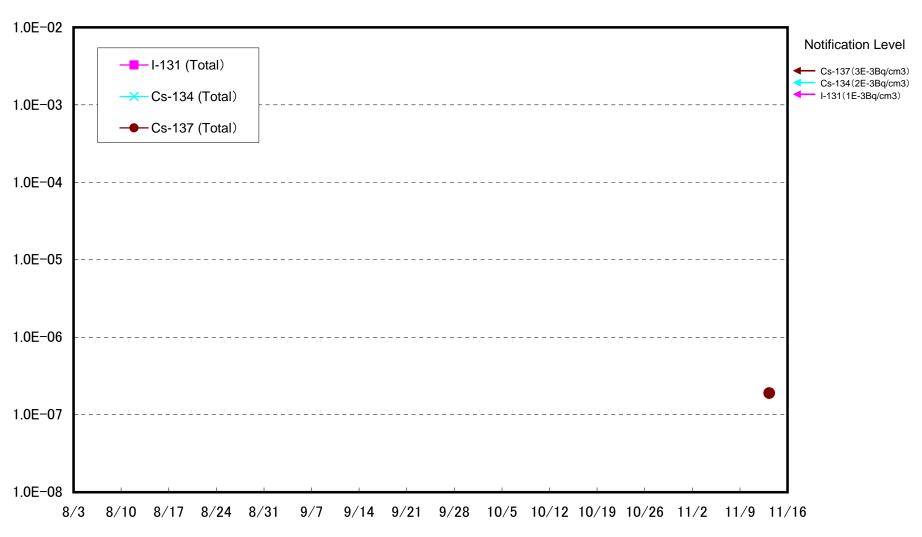
Dust Nuclides Analysis Result: The West Gate of Fukushima Daiichi Nuclear Power Station (Bq/cm³)

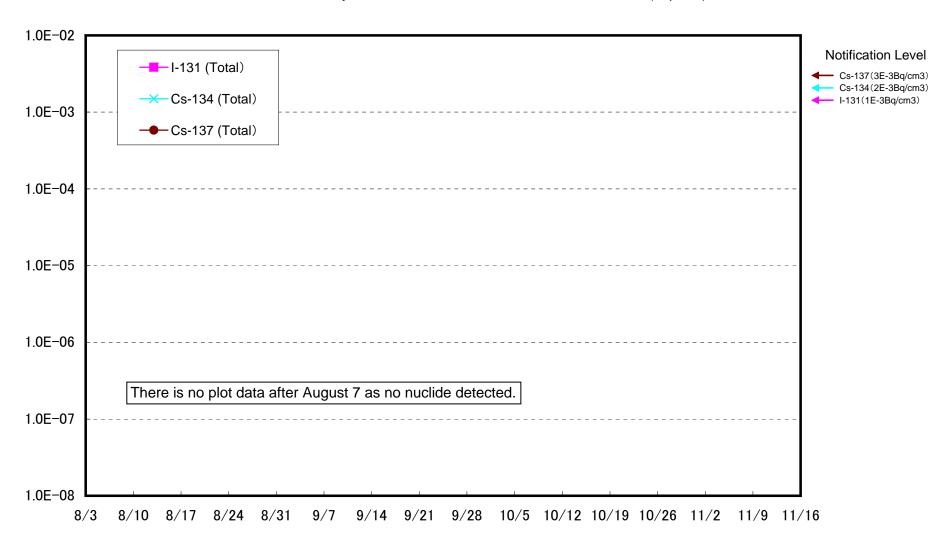


(Reference) Dust Nuclides Analysis Results of MP-1 at Fukushima Daini NPS (Bq/cm³)



Dust Nuclides Analysis Result: MP-1 at Fukushima Daiichi NPS (Bq/cm³)





Dust Nuclides Analysis Result: MP-8 at Fukushima Daiichi NPS (Bq/cm³)

