Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at Fukushima Nuclear Power Stations

(Data summarized on April 11)

Place of Sampling	The West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini NPS (Reference)				② Density Limit Specified by the Reactor Regulation (Bq/cm^3) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	Apr 10, 2013 7:00 AM - 12:00 PM		Apr 10, 2013 9:12 AM - 9:22 AM				
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm^3)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-			1E-03
Cs-134 (Approx. 2 years)	ND	-	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 x 10^{-O}

Data of other nuclides is under examination.

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

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

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. 5E-8Bq/cm3, Cs-134: Approx.1E-7Bq/cm3, Cs-137: Approx.1E-7Bq/cm3 The detection limits at MP-1 of Fukushima Daini MPS are as follows: Volatile: I-131: Approx. 2E-6Bq/cm3, Cs-134: Approx.2E-6Bq/cm3, Cs-137: Approx.1E-6Bq/cm3 Particulate: I-131: Approx. 7E-7Bq/cm3, Cs-134: Approx.9E-7Bq/cm3, Cs-137: Approx.7E-7Bq/cm3

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

1. Measurement Result:

(Unit: Bq/cm^3)

Place of Sampling	Type	Date of Sampling	Pu-238	Pu-239+Pu-240
1F, West Gate	Volatile	Oct 15, 2012	N.D. [<1.9×10-9]	N.D. [<1.6×10-9]
	Particulate		N.D. [<1.5×10-9]	N.D. [<1.3×10-9]

[ ] shows below the detection limit.

2. Analytical Institution
KAKEN Inc.

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

End

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

1. Measurement Result:

(Unit: Bq/cm^3)

Place of Sampling	Type	Date of Sampling	Pu-238	Pu-239+Pu-240
1F, West Gate	Volatile	Sep 10, 2012	N.D.	N.D.
	Particulate		N.D.	N.D.

[ ] shows below the detection limit.

2. Analytical Institution
KAKEN Inc.

3. Evaluation:
Sr-89 and Sr-90 were not detected in the sample collected this time.

End

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

1. Measurement Result:

(Unit: Bq/cm^3)

Place of Sampling	Type	Date of Sampling	Pu-238	Pu-239+Pu-240
1F, West Gate	Volatile	Oct 15, 2012	N.D.	N.D.
	Particulate		N.D.	N.D.

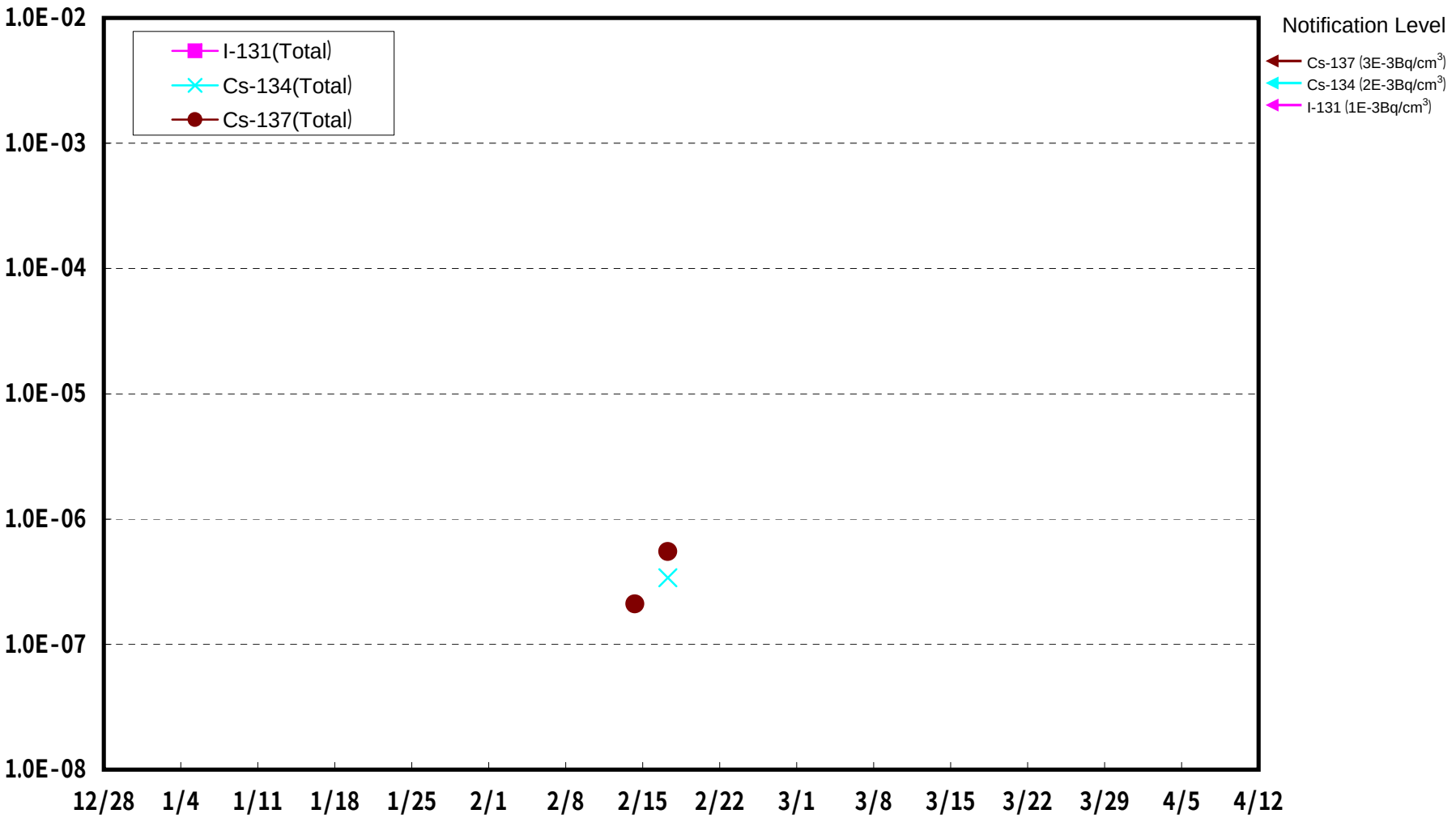
[ ] shows below the detection limit.

2. Analytical Institution
KAKEN Inc.

3. Evaluation:
Sr-89 and Sr-90 were not detected in the sample collected this time.

End

Dust Nuclides Analysis Result: The West Gate of Fukushima Daiichi Nuclear Power Station (Bq/cm^3)



(Reference) Dust Nuclides Analysis Results of MP-1 at Fukushima Daini NPS (Bq/cm^3)