Nuclide Analysis Results of the Radioactive Materials in the Air at Fukushima Nuclear Power Station

Reference

(Data summarized on : MM/DD)

Place of Sampling	福島第一　西門 The West Gate of Fukushima Daiichi NP						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)
Date of Sampling (YY/MM/FDD) Time							
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)							1E-03
Cs-134 (Approx. 2 years)							2E-03
Cs-137 (Approx. 30 years)							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 2 nuclides or more, 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. O-OBq/cm^3, Cs-134: Approx.O-OBq/cm^3, Cs-137: Approx.O-OBq/cm^3
Particulate: I-131: Approx. O-OBq/cm^3, Cs-134:Approx.O-OBq/cm^3, Cs-137: Approx.O-OBq/cm^3
As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

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

Nuclide Analysis Results of the Radioactive Materials in the Air at Fukushima Nuclear Power Station

Reference

(Data summarized on : MM/DD)

Place of Sampling	福島第一 MP－1 MP-1 at Fukushima Daiichi NPS		福島第一 MP－3 MP-3 at Fukushima Daiichi NPS		福島第一 MP－8 MP-8 at Fukushima Daiichi NPS		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)
Date of Sampling (YY/MM/DD) Time							
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)							1E-03
Cs-134 (Approx. 2 years)							2E-03
Cs-137 (Approx. 30 years)							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 2 nuclides or more, the sum of scaling factors to density limits is compared to 1.

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

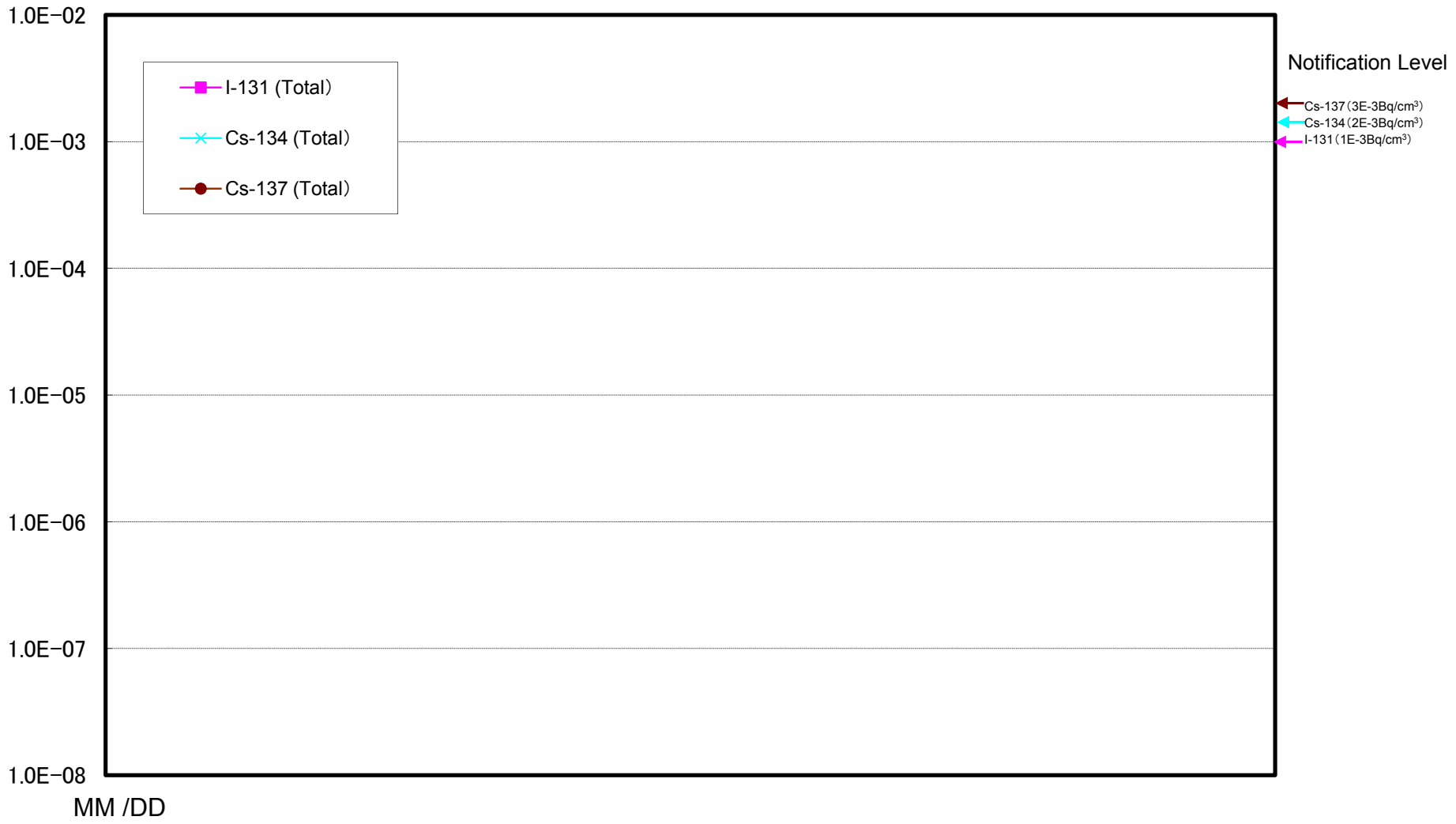
The detection limits are as follows:

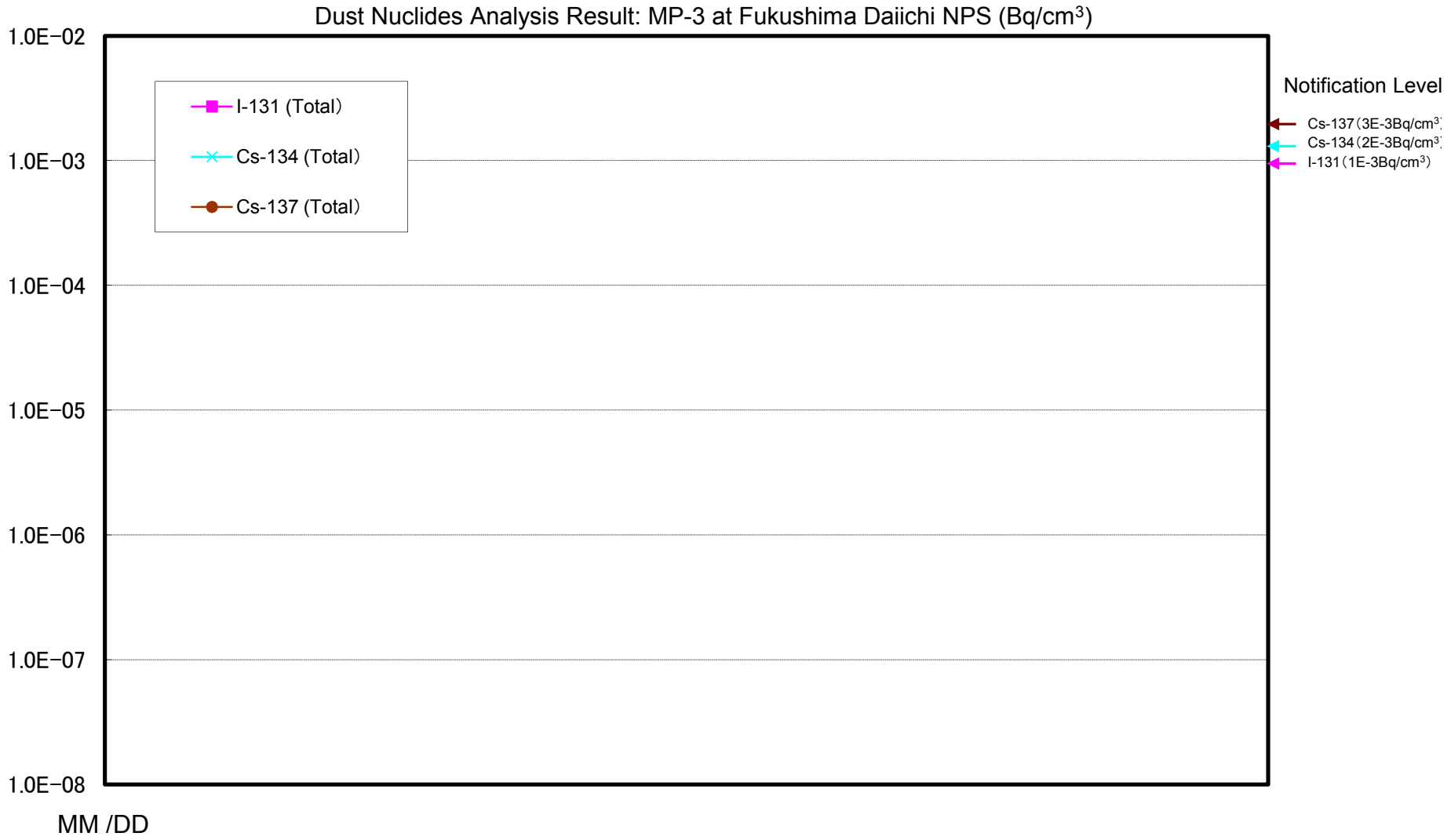
Volatile: I-131: Approx. O-OBq/cm^3, Cs-134: Approx.O-OBq/cm^3, Cs-137: Approx.O-OBq/cm^3

Particulate: I-131: Approx. O-OBq/cm^3, Cs-134:Approx.O-OBq/cm^3, Cs-137: Approx.O-OBq/cm^3

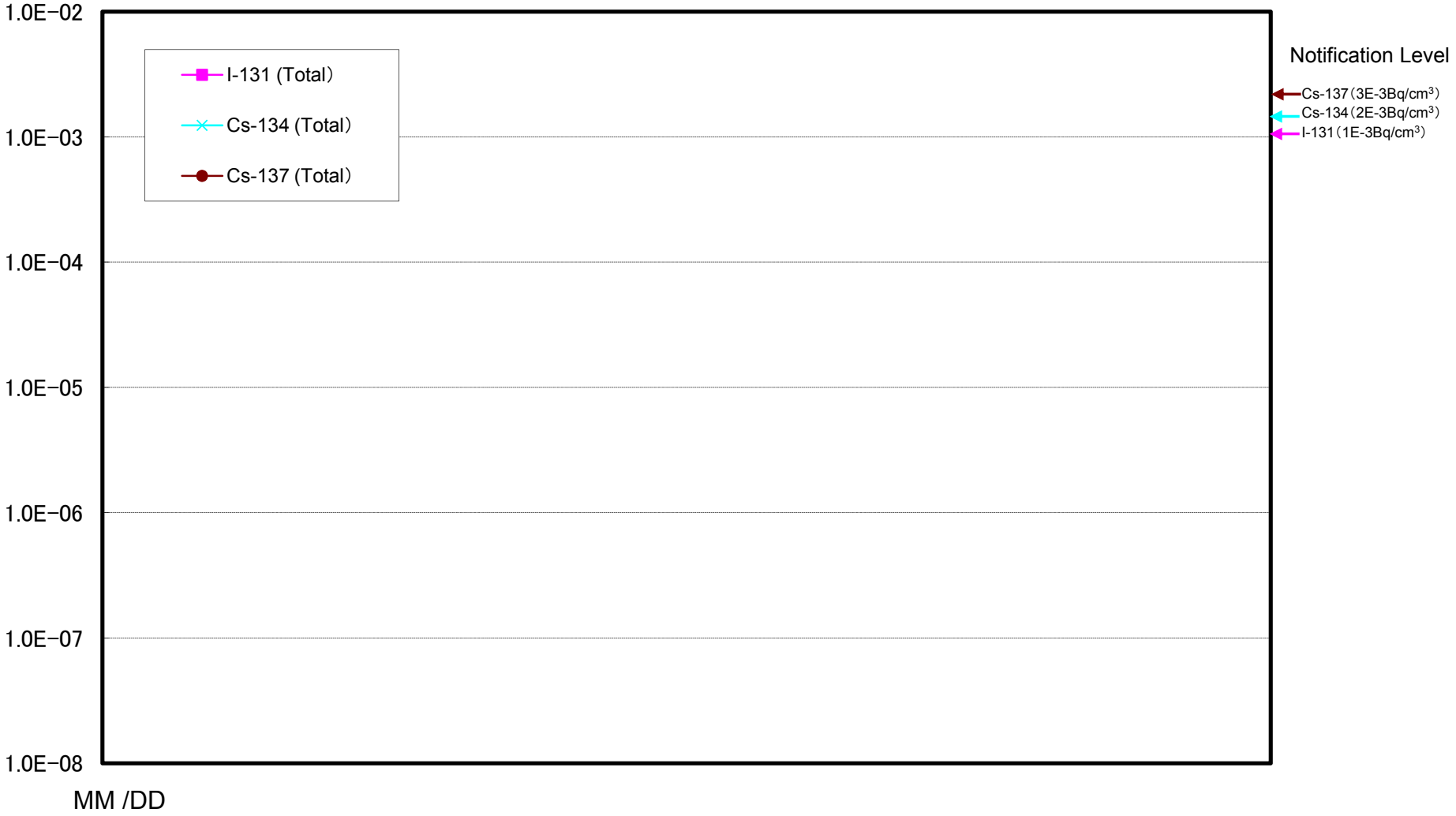
As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected

Dust Nuclides Analysis Result: MP-1 at Fukushima Daiichi NPS (Bq/cm^3)




Dust Nuclides Analysis Result: MP-3 at Fukushima Daiichi NPS (Bq/cm3)
1.0E−02
1.0E−03
1.0E−04
1.0E−05
1.0E−06
1.0E−07
1.0E−08
I-131 (Total)
Cs-134 (Total)
Cs-137 (Total)
Notification Level
Cs-137（3E-3Bq/cm3）
Cs-134（2E-3Bq/cm3）
I-131（1E-3Bq/cm3）
MM /DD

Dust Nuclides Analysis Result: MP-8 at Fukushima Daiichi NPS (Bq/cm^3)



Nuclide Analysis Results of the Radioactive Materials in the Air at Fukushima Nuclear Power Station

Reference

(Data summarized on : MM/DD)

Place of Sampling	福島第一 1号機北側法面上 Unit 1 North Side Slope at Fukushima Daiichi NPS		福島第一 1，2号機西側法面上 Unit 1-2 West Side Slope at Fukushima Daiichi NPS		福島第一 3，4号機西側法面上 Unit 3-4 West Side Slope at Fukushima Daiichi NPS		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)
Date of Sampling (YY/MM/DD) Time							
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)							1E-03
Cs-134 (Approx. 2 years)							2E-03
Cs-137 (Approx. 30 years)							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 2 nuclides or more, 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 are as follows:

Volatile: I-131: Approx. O-OBq/cm^3, Cs-134: Approx.O-OBq/cm^3, Cs-137: Approx.O-OBq/cm^3

Particulate: I-131: Approx. O-OBq/cm^3, Cs-134:Approx.O-OBq/cm^3, Cs-137: Approx.O-OBq/cm^3

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 Result of the Radioactive Materials in the Air at the Sea Side of Fukushima Nuclear Power Station

Reference

(Data summarized on : MM/DD)

Place of Sampling	福島第一 1～4号機近傍海側 Fukushima Daiichi NPS Sea Side Area near Unit 1-4						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)
Date of Sampling (YY/MM/DD) Time							
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)							1E-03
Cs-134 (Approx. 2 years)							2E-03
Cs-137 (Approx. 30 years)							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 2 nuclides or more, 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 are as follows:
Volatile: I-131: Approx. O-OBq/cm^3, Cs-134: Approx.O-OBq/cm^3, Cs-137: Approx.O-OBq/cm^3
Particulate: I-131: Approx. O-OBq/cm^3, Cs-134:Approx.O-OBq/cm^3, Cs-137: Approx.O-OBq/cm^3
As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected

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

1. Measurement Result: (Data summarized on MM/DD)

(Unit: Bq/cm^3)

Place of Sampling	Sample type	Date of Sampling	Pu-238	Pu-239+Pu-240
The West Gate of Fukushima Daiichi NPS	Volatile	YY/MM/DD		
	Particulate			

[ ] shows below the detection limit.

2. Analytical Institution
KAKEN Inc.

3. Evaluation:

End

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

1. Measurement Result: (Data summarized on MM/DD)

(Unit: Bq/cm^3)

Place of Sampling	Sample type	Date of Sampling	Sr-89	Sr-90
The West Gate of Fukushima Daiichi NPS	Volatile	YY/MM/DD		
	Particulate			

[ ] shows below the detection limit.

2. Analytical Institution
KAKEN Inc.

3. Evaluation:

End