< Reference >
April 17, 2012
Tokyo Electric Power Company

Reference

Result of Nuclide Analysis of Radioactive Material in the air above Reactor Building of Unit 3 Fukushima Daiichi Nuclear Power Station <1/2>

(Data summarized on April 17)

Place of Sampling	Upside of Unit 3 reactor building ① (Northeast side in upper part of reactor(Downward direction))		Upside of Unit 3 reactor building ② (Northeast side in upper part of reactor(Cross direction))		Upside of Unit 3 reactor building ③ (Northeast side in upper part of reactor(Downward direction))		②Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	April 15, 2012 9:25 ～ 9:55		April 15, 2012 9:25 ～ 9:55		April 15, 2012 10:25 ～ 10:55		
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)	
I-131 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	ND	-	1.8E-05	0.01	ND	-	2E-03
Cs-137 (approx. 30 years)	ND	-	ND	-	2.1E-05	0.01	3E-03

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

O.OE－O means O.O x 10-O

Data of other nuclides are under examination.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

Volatile: I-131: approx. 1E-5 Bq/cm3, Cs-134: approx. 2E-5Bq/cm3, Cs-137: approx. 3E-5Bq/cm3

Particle: I-131: approx. 6E-6 Bq/cm3, Cs-134: approx. 1E-5Bq/cm3, Cs-137: approx. 2E-5Bq/cm3

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Reference

Result of Nuclide Analysis of Radioactive Material in the air above Reactor Building of Unit 3 Fukushima Daiichi Nuclear Power Station ＜2/2＞

(Data summarized on April 17)

Place of Sampling	Upside of Unit 3 reactor building ④ (Northeast side in upper part of reactor(Cross direction))		Upside of Unit 3 reactor building ⑤ (Around machine hatch opening on 3rd floor)		Upside of Unit 3 reactor building ⑥ (Around machine hatch opening on 3rd floor)		②Density limit by the announcement of Reactor Regulation （Bq/cm3） (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	April 15, 2012 10:25 ～ 10:55		April 15, 2012 11:20 ～ 11:50		April 15, 2012 12:15 ～ 12:45		
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)	
I-131 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	1.4E-05	0.01	ND	-	2.3E-05	0.01	2E-03
Cs-137 (approx. 30 years)	1.7E-05	0.01	1.4E-05	0.00	ND	-	3E-03

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

O.OE－O means O.O x 10-O

Data of other nuclides are under examination.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

Volatile: I-131: approx. 1E-5 Bq/cm3, Cs-134: approx. 2E-5Bq/cm3, Cs-137: approx. 3E-5Bq/cm3

Particle: I-131: approx. 6E-6 Bq/cm3, Cs-134: approx. 1E-5Bq/cm3, Cs-137: approx. 2E-5Bq/cm3

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.