<Reference>
May 10, 2012
Tokyo Electric Power Company

Reference

Nuclide Analysis in the Air at Upper Part of Unit 3 Reactor Building of Fukushima Daiichi NPS <1/2>

(Data summarized on May 10)

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	May 2, 2012 9:00 AM ～ 9:30 AM		May 2, 2012 9:00 AM ～ 9:30 AM		May 2, 2012 10:55 AM ～ 11:25 AM		
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	-	7.1E-05	0.04	ND	-	2E-03
Cs-137 (approx. 30 years)	3.2E-05	0.01	1.1E-04	0.04	2.8E-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.

The followings show the detection limits. Volatile: I-131: approx. 9E-6Bq/cm3, Cs-134: approx. 2E-5Bq/cm3 Particulate: I-131: approx. 5E-6Bq/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

Nuclide Analysis in the Air at Upper Part of Unit 3 Reactor Building of Fukushima Daiichi NPS <2/2>

(Data summarized on May 10)

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	May 2, 2012 10:55 AM ～ 11:25 AM		May 2, 2012 9:50 AM ～ 10:20 AM		May 2, 2012 11:50 AM ～ 12:20 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)	
I-131 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	ND	-	ND	-	2.3E-05	0.01	2E-03
Cs-137 (approx. 30 years)	ND	-	ND	-	3.1E-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.

The followings show the detection limits. Volatile: I-131: approx. 1E-5Bq/cm3, Cs-134: approx. 2E-5Bq/cm3, Cs-137: approx. 3E-5Bq/cm3
Particulate: I-131: approx. 9E-6Bq/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.