

Nuclides analysis result of aerial radioactive substances at openings of the building, 1F Reference

(Data summarized on April 9)

Place of Sampling	Opening of Process Main Building (decontamination apparatus room)	Exhaust Facility for Granulated Solidification Storage (exhaust side)				Density 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	2012/4/4 11:20 ~ 12:20	2012/4/4 11:25 ~ 11:35					
Detected Nuclides (Half-life)	density of sample (Bq/cm3)	Scaling Factor (/)	density of sample (Bq/cm3)	Scaling Factor (/)	density of sample (Bq/cm3)	Scaling Factor (/)	
I-131 (approx. 8 days)	ND	-	ND	-	/	/	1E-03
Cs-134 (approx. 2 years)	2.0E-04	0.10	ND	-	/	/	2E-03
Cs-137 (approx. 30 years)	3.0E-04	0.10	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.

The followings show the detection limits.

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

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

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