

**The result of the nuclide analysis of radioactive materials in the air at the site of Fukushima Daini Nuclear Power Station**

The result of the nuclide analysis of radioactive materials in the air in the site of Fukushima Daini Nuclear Power Station is as follows.

1 . Conditions of collection and measurement

Collection of sample	Place	Fukushima Daini MP-1	Fukushima Daini MP-1		
	Date	3/25 9:41 ~ 9:48	3/25 17:32 ~ 17:40		
	Manner of Collection	Collecting dust by monitoring cars	Collecting dust by monitoring cars		
	Wind direction & speed	-	-		
Measurement of sample	Date	2011/3/25 12:20 ~	2011/3/25 12:33 ~		
	Measuring method	Germanium semi-conductor type nuclide analysis	Germanium semi-conductor type nuclide analysis		
	Measuring time	500s	500s		

2 . Result

(Data collected on March 26th)

	Nuclide	Collected on March 25th -			Collected on March 25th -						Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3)
		Radioactivity density (Bq/cm3)	Detection limit density (Bq/cm3)	Ratio to density limit in the air ( / )	Radioactivity density (Bq/cm3)	Detection limit density (Bq/cm3)	Ratio to density limit in the air ( / )				
Volatile characteristics	Co-58	ND	-	-	ND	-	-				1.0E-02
	I-131	2.1E-04	3.2E-05	0.21	1.738E-04	1.265E-05	0.17				1.0E-03
	I-132	1.6E-04	1.0E-04	0.00	2.205E-04	2.002E-05	0.00				7.0E-02
	I-133	ND	-	-	ND	-	-				5.0E-03
	Cs-134	6.9E-05	3.2E-05	0.03	2.645E-05	1.210E-05	0.01				2.0E-03
	Cs-137	ND	-	-	3.506E-05	1.068E-05	0.01				3.0E-03
Particulate characteristics	Co-58	ND	-	-	ND	-	-				1.0E-02
	I-131	1.0E-04	1.6E-05	0.10	6.792E-05	6.957E-06	0.07				1.0E-03
	I-132	6.0E-05	5.0E-05	0.00	1.130E-04	1.186E-05	0.00				7.0E-02
	Cs-134	ND	-	-	1.036E-05	6.080E-06	0.01				2.0E-03
	Cs-136	ND	-	-	ND	-	-				1.0E-02
	Cs-137	ND	-	-	1.084E-05	5.773E-06	0.00				3.0E-03
Other detected nuclide	Ru-105	ND	-	-	7.301E-05	5.305E-05	0.00				8.0E-02
	Ru-106	ND	-	-	ND	-	-				6.0E-04
	Te-129	ND	-	-	5.685E-04	1.476E-04	0.00				4.0E-01
	Te-129m	ND	-	-	4.444E-04	1.298E-04	0.11				4.0E-03
	Te-132	1.1E-04	1.6E-05	0.02	3.853E-04	4.763E-06	0.06				7.0E-03

Statutory density limit to the 3-month average density of radioactive nuclide contained in the air that humans breathe

X.XE - X means X.X x 10 - x