Published on:
Tokyo Electric Power Company Holdings, Inc.
Fukushima Daiichi D&D Engineering Company

Analysis Results of Radioactive Material Concentration in the Air (Units 1-4)

Place of Sampling	Date and Time of Sampling	Analysis Item		
		I-131 (Bq/cm^3)	Cs-134 (Bq/cm^3)	Cs-137 (Bq/cm^3)
Above the South of Reactor Well on the Unit 1 Reactor Building ※1	–			
Above the Northwest of Reactor Well on the Unit 1 Reactor Building ※1	–			
Above the North of Reactor Well on the Unit 1 Reactor Building ※1	–			
Machine Hatch on the Operating Floor of the Unit 1 Reactor Building ※2	–			
Outlet of Gas Control System for the Unit 1 Primary Containment Vessel ※1	–			
Ventilation Facility for the Unit 2 Reactor Building (Outlet of Exhaust Gas Filter) ※1	–			
	–			
Ventilation Facility for the Unit 2 Reactor Building (Inlet of Exhaust Gas Filter) ※1	–			
	–			
Outlet of Gas Control System for the Unit 2 Primary Containment Vessel ※1	–			
Above the South of Reactor on the Unit 3 Reactor Building ※1	–			
Opening of Machine Hatch on the Unit 3 Reactor Building ※1	–			
Inlet of Ventilation Facility of Fuel Removal Cover at the Opening of the Unit 3 Building ※1	–			
Outlet of Ventilation Facility of Fuel Removal Cover at the Opening of the Unit 3 Building ※1	–			
Outlet of Gas Control System for the Unit 3 Primary Containment Vessel ※1	–			
Inlet of Exhaust Gas Filter for the Unit 4 Reactor Building ※2	–			
Outlet of Exhaust Gas Filter for the Unit 4 Reactor Building ※1	–			
Near SFP of the Unit 4 Reactor Building ※1	–			
Near Changing Area of the Unit 4 Reactor Building ※2	–			
Concentration Limit Required by Law ※3		1E-03	2E-03	3E-03

・Half life of each nuclide: I-131 (Approx. 8 days), Cs-134 (Approx. 2 years), Cs-137 (Approx. 30 years)
・Inequality sign (<: less than) indicates that measurement result is less than the detection limit (ND).
・"-" indicates that the item was not included in the measurement or the sampling was stopped.
・Values are expressed in exponential notation. For example, "3.1E+01" means "3.1×10^{1}" and equals 31.
Similarly, "3.1E+00" means "$3.1x10^{0}$" and equals 3.1, and "3.1E-01" means "$3.1x10^{-1}$" and equals 0.31.

※1 Analysis results are total values of particulates and volatile materials.
※2 Analysis results are values only for particulates.
※3 Concentration Limit Required by Law: Concentration limit specified by the Regulation Concerning the Security of the Reactor Facilities at the Fukushima Daiichi Nuclear Power Station and the Protection of Specific Nuclear Fuel Material
(the concentration limit in the air which radiation workers breathe in the section 4 of the appendix 1)

Analysis Results of Radioactive Material Concentration in the Air (Units 1-4)

Place of Sampling	Date and Time of Sampling	Analysis Item		
		I-131 (Bq/cm^3)	Cs-134 (Bq/cm^3)	Cs-137 (Bq/cm^3)
Large Carry-in Entrance at the Opening of the Unit 1 Turbine Building ※1	–			
Western Side Opening of the Unit 1 Waste Treatment Building ※1	–			
Western Side Opening of the Unit 2 Waste Treatment Building ※1	–			
Large Carry-in Entrance at the Opening of the Unit 3 Turbine Building ※1	–			
Western Side Opening of the Unit 3 Waste Treatment Building ※1	–			
Northwestern Side Opening of the Unit 4 Waste Treatment Building ※1	–			
Large Carry-in Entrance at the Opening of the Unit 4 Reactor Building ※1	–			
Large Carry-in Entrance on the 4th Floor of the Process Main Building ※1	–			
Southwestern Side Opening of the Incineration Workshop Building ※1	–			
Large Carry-in Entrance at the Opening of the On-site Bunker Building ※1	–			
Concentration Limit Required by Law ※3		1E-03	2E-03	3E-03

・Half life of each nuclide: I-131 (Approx. 8 days), Cs-134 (Approx. 2 years), Cs-137 (Approx. 30 years)
・Inequality sign (<: less than) indicates that measurement result is less than the detection limit (ND).
・"-" indicates that the item was not included in the measurement or the sampling was stopped.
・Values are expressed in exponential notation. For example, "3.1E+01" means "3.1×10^{1}" and equals 31.
Similarly, "3.1E+00" means "$3.1x10^{0}$" and equals 3.1, and "3.1E-01" means "$3.1x10^{-1}$" and equals 0.31.

※1 Analysis results are total values of particulates and volatile materials.
※2 Analysis results are values only for particulates.
※3 Concentration Limit Required by Law: Concentration limit specified by the Regulation Concerning the Security of the Reactor Facilities at the Fukushima Daiichi Nuclear Power Station and the Protection of Specific Nuclear Fuel Material
(the concentration limit in the air which radiation workers breathe in the section 4 of the appendix 1)