

Results of Gas Sampling inside the Primary Containment Vessel of Unit 2 Fukushima Daiichi Nuclear Power Station

August 10, 2011

Tokyo Electric Power Company

【Date of Sample Collected】

August 9 (Tuesday) , 2011

【Record of work】

Work time: August 9 (Tuesday) , 2011 10:05 ~ 12:22

No. workers: 8

Recorded exposure dose: 1.83mSv (Max)

【Result of measurement】

Main nuclides and density of radioactive materials are as follows.

Nuclides		Density of radioactive materials (Bq/cm3)		
		First (10:39)	Second (10:54)	Third (11:09)
Liquid samples	Cs-137	5.4×10^{-1}	2.4×10^{-1}	2.5×10^{-1}
	Cs-134	5.1×10^{-1}	2.3×10^{-1}	2.4×10^{-1}
	I-131	Below detection limit	Below detection limit	Below detection limit

Nuclides		Density of radioactive materials (Bq/cm3)		
		First (11:06)	Second (11:07)	Third (11:08)
Liquid samples	Kr-85	Below detection limit	7.4×10^1	7.5×10^1
	Xe-131m	3.8×10^1	4.7×10^1	4.0×10^1
	Cs-137	7.0×10^{-1}	9.6×10^{-1}	Below detection limit
	Cs-134	Below detection limit	8.2×10^{-1}	8.2×10^{-1}
	I-131	Below detection limit	Below detection limit	Below detection limit



1F Unit 2 PCV temporary gas sampling instrument

Photo by : Tokyo Electric Power Company

Date of photo : August 4, 2011

【Reference】 Sampling result of air within 1F Unit 1 PCV
(Previously announced on July 30, 2011)

Nuclide	Density of radioactive materials (Bq/cm3)
Cs-137	2.0×10^1
Cs-134	1.7×10^1
I-131	Below detection limit