March 20, 2011(corrected)
Nuclear and Industrial Safety Agency

Regarding the result of Radioactive Nuclide Analysis inside Fukushima Dai-ichi Nuclear Power Station of Tokyo Electric Power Co. (North side of the main office building)

1. Tokyo Electric Power Co., at around 12:00 March 19th, took the sample of dust in the air for the first time using a monitoring car in front of the main office building in Fukushima Dai-ichi Nuclear Power Station and carried out Radioactive Nuclide Analysis.

2. The result of the analysis was reported on 20 March. It showed that the radioactive nuclides of Iodine, Cesium and so on were detected as given in the table below.

3. Iodine-131 was the only nuclide among detected that exceeded the allowable criteria of concentration.

4. If a person breathes the air containing the detected radioactive nuclides, there is a possibility to have internal exposure. As for the operations by now, workers put on Full Face-piece Respirator with charcoal filter, TYVEK Suit and so on, which are effective radiation protection equipments, and after the operations contamination was examined. Therefore, the internal exposure of the workers was controlled at very low level. Until now the internal exposure has not been reported.

5. The radioactive nuclide analysis is planned to be continued to confirm the situation.

Major radioactive nuclides detected		Concentration of radioactive nuclide (Bq/cm^3)	Allowable concentration of radioactive nuclide in the air for radiation workers (Bq/cm^3)
Volatile	Iodine-131	5.940×10^{-3}	1.0×10^{-3}
	Iodine-132	0.220×10^{-2}	7.0×10^{-2}
	Iodine-133	0.038×10^{-3}	5.0×10^{-3}
Particulate	Cesium-134	0.022×10^{-3}	2.0×10^{-3}
	Cesium-137	0.024×10^{-3}	3.0×10^{-3}

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