

Sampling results for the air from gas management system in Primary containment vessel (Unit 2, Fukushima Daiichi Nuclear Power Station)

【Sampling date】 November 1, 2011

【Result】 Detected nuclide and radiation material concentration are as below.

Nuclide		Radiation material concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life
Particle Filter	I-131	Below detection limit	2.2×10^{-6}	About 8 days
	Cs-134	2.3×10^{-5}	5.8×10^{-6}	About 2 years
	Cs-137	3.6×10^{-5}	6.1×10^{-6}	About 30 years
Nuclide		Radiation material concentration (Bq/cm ³)	Detection limit Bq/cm ³)	Half-life
Charcoal Filter	I-131	Below detection limit	4.2×10^{-6}	About 8 days
	Cs-134	4.6×10^{-6}	3.6×10^{-6}	About 2 years
	Cs-137	6.6×10^{-6}	4.1×10^{-6}	About 30 years
	Kr-85	4.4×10^{-1}	7.6×10^{-4}	About 11 years
	Xe-131m	6.9×10^{-4}	1.3×10^{-4}	About 12 days
	Xe-133	1.4×10^{-5}	1.3×10^{-5}	About 5 days
	Xe-135	1.2×10^{-5}	4.1×10^{-6}	About 9 hours

When the announcement was made on November 2, detection limit for charcoal filter (4.2×10^{-6} Bq/cm³) was indicated. Here, we indicate the detection limit for particle filter (2.2×10^{-6} Bq/cm³) .