

Results of Gas Sampling Conducted at the Entrance of Gas Control System, PCV, Unit 2

J a n u a r y 2 6 , 2 0 1 2
Tokyo Electric Power Company

【Sampling Point】 Entrance of Gas Control System, PCV, Unit 2

【Sampling Time & Date】 11:03 am on Wed. January 25, 2012

【Results】

Nuclides		Radioactivity Concentration (Bq/cm ³)	Detection Limit (Bq/cm ³)	Half Life
Gas Vial	I-131	Below the detection limit	1.5×10^{-1}	Approx. 8 days
	Cs-134	6.7×10^{-1}	3.3×10^{-1}	Approx. 2 years
	Cs-137	6.0×10^{-1}	3.8×10^{-1}	Approx. 30 years
	Kr-85	Below the detection limit	2.7×10^1	Approx. 11 years
	Xe-131m	Below the detection limit	3.6×10^0	Approx. 12 days
	Xe-133	Below the detection limit	2.5×10^{-1}	Approx. 5 days
	Xe-135	Below the detection limit	1.1×10^{-1}	Approx. 9 hours

The results regarding the Xe, a short half life, were all below the detection limit.
Not exceeding the re-criticality criteria of Xe-135 , or 1Bq/cm³.

【Note】 Upon confirming the sub-critical state of Unit 1, we made sure that the radioactive concentration of Xe-135 in the exhausted gas, measured by using a detection device installed in the Gas Control System, was below the re-criticality criteria, or 1Bq/cm³. (Results for Xe-13 on January 25 : $(1.8 \sim 2.9) \times 10^{-3}$ Bq / cm³)