

Corrected

September 16, 2011  
Tokyo Electric Power Company

**Result of sampling of condensed water and gas inside the primary containment vessel of Unit 1 in Fukushima Daiichi Nuclear Power Station**

Date of Sampling

Wed. September 14, 2011

Record of Work

[ Working time ] 9:15 ~ 12:10

[ Numbers of workers ] 12 persons

[ Radiation dose ] 1.73mSv ( max )

Measurement Result

Data of major nuclides and radioactive material density are as follows



Fukushima Daiichi: Temporary gas sampling instrument for primary containment vessel (PCV) of Unit 1

Taken by: TEPCO

Date: September 14, 2011

<Density inside PCV estimated based on measurement result>

Nuclide		Radioactive material density ( Bq/cm <sup>3</sup> )		
		1st ( 9:58 am )	2nd ( 10:32 am )	3rd ( 11:09 am )
Condensed water	Cs-134	$1.4 \times 10^{-1}$	$1.4 \times 10^{-1}$	$1.2 \times 10^{-1}$
	Cs-137	$1.5 \times 10^{-1}$	$1.5 \times 10^{-1}$	$1.5 \times 10^{-1}$
	I-131	Below detection limit	Below detection limit	Below detection limit
	Sb-125	$4.4 \times 10^{-3}$	$3.4 \times 10^{-2}$	$1.4 \times 10^{-1}$

Converted to density in vapors

Nuclide		Radioactive material density ( Bq/cm <sup>3</sup> )		
		1st ( 9:36 am )	2nd ( 10:21 am )	3rd ( 10:52 am )
Gas	Cs-134	$2.5 \times 10^0$	$3.4 \times 10^0$	$3.2 \times 10^0$
	Cs-137	$3.0 \times 10^0$	$4.7 \times 10^0$	$4.1 \times 10^0$
	I-131	Below detection limit	Below detection limit	Below detection limit

Nuclide	Radioactive material density ( Bq/cm <sup>3</sup> )	
	Unit 1 ( this time )	Unit 2 ( Sampled on August 9 )
Cs-134	$1.4 \times 10^0$	$4.4 \times 10^{-1}$
Cs-137	$1.8 \times 10^0$	$4.6 \times 10^{-1}$
Ratio of vapors	Approx.46%	Approx.100%