

March 27, 2011

The result of nuclide analysis in the stagnant water on the basement floor of the turbine building of each Unit of Fukushima Dai-ichi Nuclear Power Station

Nuclide (half- life time)	Concentration of Radioactivity (Bq/cm <sup>3</sup> )			
	Unit 1 (2nd time) Sampled on March 26	Unit 2 Sampled on March 26	Unit 3 (2nd time) Sampled on March 26	Unit 4 Sampled on March 24
	Dose rate on the surface of the water 60 mSv/h	Dose rate on the surface of the water >1,000 mSv/h	Dose rate on the surface of the water 750 mSv/h	Dose rate on the surface of the water 0.50 mSv/h
Co-56 (about 77 days)	N.D	1.6×10 <sup>5</sup>	N.D	N.D
Co-58 (about 71 days)	N.D	N.D	N.D	2.7×10 <sup>-1</sup>
Co-60 (about 5 years)	N.D	N.D	2.7×10 <sup>2</sup>	N.D
Mo-99 (about 66 hours)	N.D	N.D	N.D	1.0×10 <sup>0</sup>
Tc-99m (about 6 hours)	N.D	8.7×10 <sup>4</sup>	2.2×10 <sup>3</sup>	6.5×10 <sup>-1</sup>
Ru-106 (about 370 days)	N.D	N.D	N.D	3.3×10 <sup>0</sup>
Ag-108m (about 418 years)	N.D	2.5×10 <sup>5</sup>	N.D	N.D
Te-129 (about 70 minutes)	N.D	N.D	N.D	2.6×10 <sup>1</sup>
Te-129m (about 34 days)	N.D	N.D	N.D	1.3×10 <sup>1</sup>
Te-132 (about 3 days)	N.D	N.D	N.D	1.4×10 <sup>1</sup>
I-131 (about 8 days)	1.5×10 <sup>5</sup>	1.3×10 <sup>7</sup>	3.2×10 <sup>5</sup>	3.6×10 <sup>2</sup>
I-132 (about 2 hours)	N.D	N.D	N.D	1.3×10 <sup>1</sup>
I-134 (about 53 minutes)	N.D	2.9×10 <sup>9</sup>	N.D	N.D
Cs-134 (about 2 years)	1.2×10 <sup>5</sup>	2.3×10 <sup>6</sup>	5.5×10 <sup>4</sup>	3.1×10 <sup>1</sup>
Cs-136 (about 13 days)	1.1×10 <sup>4</sup>	2.5×10 <sup>5</sup>	6.5×10 <sup>3</sup>	3.7×10 <sup>0</sup>
Cs-137 (about 30 years)	1.3×10 <sup>5</sup>	2.3×10 <sup>6</sup>	5.6×10 <sup>4</sup>	3.2×10 <sup>1</sup>
Ba-140 (about 13 days)	N.D	4.9×10 <sup>5</sup>	1.9×10 <sup>4</sup>	N.D
La-140 (about 2 days)	N.D	1.9×10 <sup>5</sup>	3.1×10 <sup>3</sup>	7.4×10 <sup>-1</sup>

N.D ; Not Detectable