

Detection limit values of the "Measurement result of radioactivity concentration of water treatment facilities" (publicized on February 3) are additionally posted on February 8.

Feb 08 2012
Tokyo Electric Power Company

Measurement result of radioactivity concentration of water treatment facilities <Detection limit value>

Unit: (Bq/cm³)

Sampling point		Highly contaminated water in the underground of the centralized RW (accumulated water)	Water treated by Cesium absorption facility	Highly contaminated water in the underground of HTI (accumulated water)	Water treated by second Cesium adsorption facility A line	Water treated by second Cesium adsorption facility B line	Inlet water of the desalination facility		Water treated by the desalination facility		Inlet water of the evaporative concentration apparatus		Water treated by the evaporative concentration apparatus		Concentrated waste water from the evaporative concentration apparatus		
Date and time of sampling		2012/Jan/24, 6:30	2012/Jan/24, 16:40	2012/Jan/24, 6:20	2012/Jan/24, 6:44	2012/Jan/24, 6:44	2011/Dec/20, 17:30	2012/Jan/24, 7:10	2011/Dec/20, 17:40	2012/Jan/24, 16:30	2011/Dec/20, 6:10	2012/Jan/26, 6:30	2011/Dec/20, 6:30	Sampling cancelled in January 2012	2011/Dec/20, 6:20	Sampling cancelled in January 2012	
γ nuclide	I-131 (approx 8 days)	3.1E+03	4.6E-01	2.9E+03	6.4E-01	6.2E-01	1.9E+00	2.3E+00	1.7E-02	1.4E-02	2.0E+00	3.5E+00	1.6E-02	-	5.7E+00	-	
	Cs-134 (approx 2 years)	Detected	Detected	Detected	7.9E-01	Detected	Detected	Detected	Detected	3.0E-02	Detected	Detected	2.9E-02	-	Detected	-	
	Cs-137 (approx 30 years)	Detected	Detected	Detected	Detected	Detected	Detected	Detected	Detected	3.3E-02	Detected	Detected	3.3E-02	-	Detected	-	
	Mn-54 (approx 310 days)	1.4E+03	Detected	1.1E+03	Detected	Detected	Detected	Detected	Detected	8.7E-03	Detected	Detected	1.0E-02	-	Detected	-	
	Co-58 (approx.71days)	1.2E+03	3.9E-01	1.1E+03	3.1E-01	3.0E-01	9.9E-01	1.1E+00	1.3E-02	1.3E-02	1.1E+00	2.0E+00	8.7E-03	-	3.2E+00	-	
	Co-60 (approx.5yrs)	7.9E+02	Detected	8.3E+02	1.9E-01	2.2E-01	Detected	Detected	1.4E-02	1.4E-02	Detected	Detected	1.4E-02	-	Detected	-	
	Ru-103 (approx40days)	3.0E+03	4.2E-01	2.9E+03	4.9E-01	5.0E-01	1.5E+00	1.7E+00	1.8E-02	1.6E-02	1.7E+00	2.5E+00	1.2E-02	-	5.0E+00	-	
	Ru-106 (approx370days)	2.2E+04	Detected	2.4E+04	3.9E+00	Detected	Detected	1.2E+01	Detected	1.4E-01	1.1E-01	1.5E+01	Detected	1.3E-01	-	4.1E+01	-
	Sb-124 (approx60days)	1.9E+03	4.5E-01	1.5E+03	3.2E-01	3.7E-01	3.7E+00	8.8E-01	4.7E-02	3.2E-02	4.6E+00	1.6E+00	3.9E-02	-	1.4E+01	-	
	Sb-125 (approx.3yrs)	8.8E+03	Detected	9.4E+03	Detected	Detected	Detected	Detected	5.4E-02	4.6E-02	Detected	Detected	4.9E-02	-	Detected	-	
	Ba-140 (approx.13days)	1.1E+04	1.5E+00	1.0E+04	1.6E+00	1.7E+00	5.6E+00	6.1E+00	6.2E-02	4.9E-02	6.1E+00	1.0E+01	5.4E-02	-	1.5E+01	-	
La-140 (approx.40hrs)	1.1E+03	1.9E-01	8.5E+02	1.7E-01	2.0E-01	4.6E-01	7.0E-01	1.8E-02	1.6E-02	5.7E-01	1.1E+00	2.0E-02	-	2.5E+00	-		
H-3 (approx12Years)	-	-	-	-	-	-	Detected	-	Detected	-	Detected	-	Detected	-	-	-	
all β radioactivity	-	-	-	-	-	-	Detected	-	Detected	-	Detected	-	Detected	-	Detected	-	

. E± has equivalent meaning with . ×10[±]
 ND indicates the measured value was below the detection limit
 Periods in () indicates half period
 Due to stop of the evaporative concentration apparatus, and are not sampled