

Nuclide analysis results of water at water treatment facility

Unit: (Bq/cm<sup>3</sup>)

Name of Sample		Highly concentrated contaminated water at the basement of Central Radioactive Waste Treatment Facility (Accumulated water)	Treated water at Cesium Adsorption Apparatus	Highly concentrated contaminated water at the basement of High Temperature Incinerator Building (Accumulated water)	Treated water of System A at 2nd Cesium Adsorption Apparatus	Treated water of System B at 2nd Cesium Adsorption Apparatus	Water at inlet of water desalinations	Water at outlet of water desalinations	Concentrated Water at water desalinations	Water at outlet of evaporative concentration apparatus	Concentrated waste water at evaporative concentration apparatus
Date of Sampling		Jul 9, 2013 6:30 AM	Jul 9, 2013 6:10 AM	Jul 9, 2013 6:20 AM	Jul 9, 2013 6:00 AM	July 2013 (Not sampled)	Jul 9, 2013 5:50 AM	Jul 9, 2013 5:40 AM	Jul 9, 2013 5:30 AM	July 2013 (Not sampled)	July 2013 (Not sampled)
γNuclide	I-131 (Approx. 8 days)	ND	ND	ND	ND	-	ND	ND	ND	-	-
	Cs-134 (Approx. 2 years)	2.6E+04	2.4E+00	1.3E+04	ND	-	2.0E+00	ND	1.8E+00	-	-
	Cs-137 (Approx. 30 years)	5.5E+04	5.2E+00	2.8E+04	3.4E-01	-	2.8E+00	ND	6.3E+00	-	-
	Mn-54 (Approx. 310 days)	ND	2.3E-01	ND	7.0E-01	-	ND	ND	ND	-	-
	Co-58 (Approx. 71 days)	ND	ND	ND	ND	-	ND	ND	ND	-	-
	Co-60 (Approx. 5 years)	ND	4.3E-01	ND	6.8E+00	-	2.2E+00	ND	ND	-	-
	Ru-103 (Approx. 40 days)	ND	ND	ND	ND	-	ND	ND	ND	-	-
	Ru-106 (Approx. 370 days)	ND	ND	ND	1.7E+00	-	8.4E+00	ND	ND	-	-
	Sb-124 (Approx. 60 days)	ND	ND	ND	ND	-	ND	ND	ND	-	-
	Sb-125 (Approx. 3 yrs)	ND	1.3E+01	ND	1.1E+01	-	1.8E+01	ND	4.1E+01	-	-
	Ba-140 (Approx. 13 days)	ND	ND	ND	ND	-	ND	ND	ND	-	-
La-140 (Approx. 40 hrs)	ND	ND	ND	ND	-	ND	ND	ND	-	-	
H-3 (approx. 12yrs)		-	-	-	-	-	1.0E+03	9.4E+02	1.1E+03	-	-
All β radiations		-	-	-	-	-	6.5E+04	ND	1.0E+05	-	-

\*  $E \pm$  is the same as  $\times 10^{\pm}$ .

\* "ND" indicates that the measurement result is below the detection limit.

\* The half-life of each nuclide is provided in parentheses.

\* As for  $^{137}\text{Cs}$ ,  $^{134}\text{Cs}$  and  $^{131}\text{I}$ , sampling was not conducted since the device is under suspension.