

Measurement result of radioactivity concentration of water treatment facilities

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 absorption facility A line	Water treated by second Cesium absorption facility B line	Water before entering into the desalination facility		Water treated by the desalination facility		Water entering into the evaporative concentration apparatus		Water treated by the evaporative concentration apparatus		Concentrated waste water from the evaporative concentration apparatus		
	sampling date/time	6:35 am Nov. 29, 2011	5:45 am Nov. 29, 2011	6:15 am Nov. 29, 2011	5:50 am Nov. 29, 2011	5:50 am Nov. 29, 2011	6:30 am Nov. 01, 2011	4:10 pm Nov. 29, 2011	6:35 am Nov. 01, 2011	4:00 pm Nov. 29, 2011	6:30 am Nov. 01, 2011	7:15 am Nov. 29, 2011	6:40 am Nov. 01, 2011	7:05 am Nov. 29, 2011	6:20 am Nov. 03, 2011	7:10 am Nov. 29, 2011
nuclide	I-131 (about 8 days)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cs-134 (about 2 years)	1.7E+05	2.7E+01	4.0E+05	ND	ND	2.3E+01	9.9E+00	ND	3.4E-02	5.7E+00	8.3E+00	ND	ND	4.4E+01	6.7E+01
	Cs-137 (about 30 years)	2.1E+05	3.1E+01	5.1E+05	8.8E-01	5.1E-01	2.8E+01	1.1E+01	4.6E-02	4.2E-02	7.4E+00	1.1E+01	ND	ND	5.4E+01	8.2E+01
	Mn-54 (about 310 days)	ND	1.2E+01	ND	1.8E+00	1.8E+00	1.7E+01	7.6E+00	1.6E-02	ND	4.9E+01	5.2E+01	ND	ND	3.3E+00	4.0E+00
	Co-58 (about 71 days)	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0E+00	ND	ND	ND	ND	ND
	Co-60 (about 5 years)	ND	4.3E+00	ND	3.4E-01	3.8E-01	6.5E+00	2.3E+00	ND	ND	1.3E+01	1.3E+01	ND	ND	2.8E+00	1.2E+00
	Ru-103 (about 40 days)	ND	ND	ND	5.7E-01	5.0E-01	ND	ND	ND	ND	ND	ND	ND	ND	2.0E+00	2.4E+00
	Ru-106 (about 370 days)	ND	ND	ND	8.3E+00	5.7E+00	ND	ND	ND	ND	ND	ND	ND	ND	1.4E+01	2.3E+01
	Sb-124 (about 60 days)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1E+00	ND
	Sb-125 (about 3 years)	ND	8.2E+01	ND	9.2E+01	1.1E+02	6.9E+01	6.8E+01	4.8E-02	ND	1.4E+02	1.0E+02	ND	ND	7.6E+02	6.3E+02
	Ba-140 (about 13 days)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
La-140 (about 40 times)	ND	ND	ND	ND	ND	3.1E-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	
H-3 (about 12 years)	-	-	-	-	-	3.8E+03	-	3.8E+03	-	6.4E+03	-	5.5E+03	-	-	-	
all β radioactivity	-	-	-	-	-	2.0E+05	-	8.5E+01	-	5.8E+04	-	2.2E-01	-	1.8E+05	-	

± has equivalent meaning with  $\times 10^{\pm}$   
 ND indicates the measured value was below the detection limit  
 periods in ( ) indicates half period  
 「 - 」 indicates that there was no subject for measurement  
 nuclide data of sampling ~ from Nov 1 to Nov 3 are pressed at Nov 18.