

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			
	Date and time of sampling	2011/12/20 7:05	2011/12/20 6:40	2011/12/29 6:20	2011/12/29 7:50	2011/12/29 7:50	2011/11/29 16:10	2011/12/20 17:30	2011/11/29 16:00	2011/12/20 17:40	2011/11/29 7:15	2011/12/20 6:10	2011/11/29 7:05	2011/12/20 6:30	2011/11/29 7:10	2011/12/20 6:20	
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)	3.1E+05	2.3E+01	1.8E+05	ND	ND	9.9E+00	1.4E+01	3.4E-02	3.1E-02	8.3E+00	1.2E+01	ND	ND	6.7E+01	1.7E+01	
	Cs-137(about 30 years)	3.8E+05	2.8E+01	2.4E+05	ND	ND	1.1E+01	1.7E+01	4.2E-02	4.6E-02	1.1E+01	1.7E+01	ND	ND	8.2E+01	2.5E+01	
	Mn-54 (about 310 days)	ND	1.2E+01	ND	8.0E+00	9.9E+00	7.6E+00	1.0E+01	ND	3.3E-02	5.2E+01	3.1E+01	ND	ND	4.0E+00	1.6E+01	
	Co-58 (about 71 days)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Co-60 (about 5years)	ND	4.1E+00	ND	8.1E-01	1.7E+00	2.3E+00	3.7E+00	ND	ND	1.3E+01	7.9E+00	ND	ND	1.2E+00	2.8E+00	
	Ru-103 (about 40 days)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4E+00	ND
	Ru-106 (about 370 days)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3E+01	ND
	Sb-124 (about 60 days)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sb-125 (about 3 years)	ND	7.6E+01	ND	5.0E+01	5.0E+01	6.8E+01	5.0E+01	ND	ND	1.0E+02	1.1E+02	ND	ND	6.3E+02	2.5E+02	
	Ba-140 (about 13 days)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
La-140 (about 40 hours)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
H-3 (about 12 years)	-	-	-	-	-	-	3.2E+03	-	3.3E+03	-	5.2E+03	-	4.9E+03	-	-	-	
all β radioactivity	-	-	-	-	-	-	2.5E+05	-	2.5E+01	-	1.5E+05	-	6.0E-01	-	2.7E+04	-	

. E± has equevalent meaning with . ×10[±]

ND indicates the measured value was below the detection limit

periods in () indicates half period

nuclide data of sampling ~ of Nov 29 were pressed at December 12.