

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 of sampling	Date of sampling	Date of sampling	Date of sampling	Date of sampling	Date of sampling	Jan. 2012 (Not sampled)	Feb. 2012 (Not sampled)	Jan. 2012 (Not sampled)	Feb. 2012 (Not sampled)		
γ nuclide	I-131 (approx8days)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	
	Cs-134 (approx2years)	1.3E+05	1.2E+00	1.5E+05	ND	ND	2.6E+01	9.8E+00	ND	ND	6.3E+00	9.5E+00	-	-	-	-	
	Cs-137 (approx30years)	1.7E+05	1.4E+00	2.1E+05	6.1E-01	ND	3.6E+01	1.3E+01	ND	3.3E-02	1.1E+01	1.1E+01	-	-	-	-	
	Mn-54 (approx.310days)	ND	6.2E+00	ND	3.3E-01	5.8E-01	9.6E+00	5.5E+00	ND	ND	3.1E+01	2.8E+01	-	-	-	-	
	Co-58 (approx.71days)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	
	Co-60 (approx.5yrs)	ND	9.4E+00	ND	ND	ND	4.7E+00	2.8E+00	ND	ND	1.0E+01	9.4E+00	-	-	-	-	
	Ru-103 (approx40days)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
	Ru-106 (approx370days)	ND	5.5E+00	ND	4.6E+00	4.9E+00	2.2E+01	2.1E+01	ND	ND	3.8E+01	3.9E+01	-	-	-	-	
	Sb-124 (approx60days)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
	Sb-125 (approx.3yrs)	ND	4.9E+01	ND	8.9E+01	7.6E+01	7.0E+01	8.1E+01	ND	4.3E-02	1.1E+02	1.1E+02	-	-	-	-	
Ba-140 (approx.13days)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	
La-140 (approx.40hrs)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	
H-3 (approx12Years)	-	-	-	-	-	-	2.8E+03	-	2.9E+03	-	4.2E+03	-	-	-	-	-	
all β radioactivity	-	-	-	-	-	-	3.1E+05	-	3.6E+01	-	2.5E+05	-	-	-	-	-	

. E± has equivalent meaning with . ×10[±]
 ND indicates the measured value was below the detection limit
 periods in () indicates half period
 γ nuclide of sampled Dec 20, 2011 of ~ is already pressed Jan. 5, 2012
 Due to stop of the evaporative concentration apparatus, and are not sampled