

Nuclides Analysis Result of the Sub-drain Water in the Surroundings of the Central Radioactive Waste Treatment Facility

I-131(Bq/cm³)

Sampling Location	Mar 23	Mar 24	Mar 25	Mar 26	Mar 27	Mar 28	Mar 29	Mar 30	Mar 31	Apr 01	Apr 02	Apr 03	Apr 04	Apr 05	Apr 06	Apr 07					
①	ND	*1	ND	ND	ND	ND															
②	ND	*1	ND	ND	ND	ND															
③	ND	*1	ND	ND	ND	ND															
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
⑤	ND	*1	ND	ND	ND	ND															
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND					
⑦	ND	*1	ND	ND	ND	ND															
⑧	ND	*1	ND	ND	ND	ND															
⑨	ND	*1	ND	ND	ND	ND															

Cs-134(Bq/cm³)

Sampling Location	Mar 23	Mar 24	Mar 25	Mar 26	Mar 27	Mar 28	Mar 29	Mar 30	Mar 31	Apr 01	Apr 02	Apr 03	Apr 04	Apr 05	Apr 06	Apr 07					
①	ND	*1	0.024	0.013	ND	ND															
②	ND	*1	ND	ND	ND	ND															
③	ND	*1	ND	ND	ND	ND															
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
⑤	ND	*1	ND	ND	ND	ND															
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND					
⑦	0.038	0.028	0.023	0.038	0.034	0.03	0.036	0.027	0.027	0.021	0.02	*1	0.041	0.042	0.026	0.031					
⑧	ND	*1	0.045	0.028	0.046	0.026															
⑨	ND	*1	ND	ND	ND	ND															

Cs-137(Bq/cm³)

Sampling Location	Mar 23	Mar 24	Mar 25	Mar 26	Mar 27	Mar 28	Mar 29	Mar 30	Mar 31	Apr 01	Apr 02	Apr 03	Apr 04	Apr 05	Apr 06	Apr 07					
①	ND	*1	0.056	0.037	0.022	0.034															
②	ND	*1	ND	ND	ND	ND															
③	ND	*1	ND	ND	ND	ND															
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
⑤	ND	*1	ND	ND	ND	ND															
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND					
⑦	0.084	0.081	0.094	0.076	0.086	0.11	0.11	0.07	0.076	0.09	0.083	*1	0.1	0.088	0.081	0.079					
⑧	ND	*1	0.14	0.1	0.096	0.1															
⑨	ND	*1	ND	ND	ND	ND															

* Hyphen "-" indicates that neither sampling nor measurement was implemented.
 * ⑥ was selected as a sampling location in the upstream of groundwater (sampling done once a week starting from April 29, 2011) since it became unable to do sampling at ④.
 * Sampling at ⑦ (located in the downstream of the groundwater) has been done since May 26, 2011.
 * Sampling at ⑧ since May 30, 2011
 * Sampling at ⑨ has been done since August 2, 2011
 * "ND" indicates that the measurement result is below the detection limit.
 I-131: Approx. 0.01Bq/cm³, Cs-134: Approx. 0.02Bq/cm³, Cs-137: Approx. 0.02Bq/cm³ (April 7, 2014)
 As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.
 *1 The sampling could not be performed on April 3, since a tsunami warning was issued.

- <Place of Sampling>
 ① Southeast of Unit 4 Turbine Building
 ② Northeast of the Process Main Building
 ③ Southeast of the Process Main Building
 ④ Southwest of the Process Main Building
 ⑤ South Part of the Miscellaneous Solid Waste Volume Reduction Treatment Building
 ⑥ Southwest Part of the On-site Bunker Building
 ⑦ West Side of the Incineration Workshop Building
 ⑧ North Part of the Miscellaneous Solid Waste Volume Reduction Treatment Building
 ⑨ Southeast Part of the On-site Bunker Building