

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

I-131(Bq/cm³)

Sampling Location	Sep 21	Sep 22	Sep 23	Sep 24	Sep 25	Sep 26	Sep 27	Sep 28	Sep 29	Sep 30	Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7	Oct 8			
①	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND			
②	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND			
③	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND			
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
⑤	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND			
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	* 1	ND	-			
⑦	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND			
⑧	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND			
⑨	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND			

Cs-134(Bq/cm³)

Sampling Location	Sep 21	Sep 22	Sep 23	Sep 24	Sep 25	Sep 26	Sep 27	Sep 28	Sep 29	Sep 30	Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7	Oct 8			
①	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	0.019	ND			
②	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND			
③	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND			
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
⑤	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND			
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	* 1	ND	-			
⑦	0.026	0.036	0.03	0.029	0.013	0.017	0.03	0.015	0.03	0.021	0.035	0.028	0.029	0.035	0.032	* 1	0.015	0.032			
⑧	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	0.033	0.043			
⑨	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND			

Cs-137(Bq/cm³)

Sampling Location	Sep 21	Sep 22	Sep 23	Sep 24	Sep 25	Sep 26	Sep 27	Sep 28	Sep 29	Sep 30	Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7	Oct 8			
①	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	0.041	ND			
②	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND			
③	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND			
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
⑤	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND			
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	* 1	ND	-			
⑦	0.076	0.12	0.073	0.11	0.068	0.055	0.084	0.063	0.074	0.064	0.11	0.1	0.11	0.12	0.083	* 1	0.061	0.098			
⑧	0.021	0.027	0.023	0.023	ND	0.021	0.02	ND	0.038	0.021	0.024	ND	ND	0.019	ND	* 1	0.098	0.097			
⑨	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	* 1	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. 0.009Bq/cm³, Cs-134: Approx. 0.01Bq/cm³, Cs-137: Approx. 0.02Bq/cm³
 (October 8, 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.
 *When the radioactivity density is below the detection limit, it shows "ND" ("Not Detectable").
 *1 Not sampled because of bad weather (October 6, 2014)

- <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