

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

I-131(Bq/cm³)

Sampling Location	Oct 5	Oct 6	Oct 7	Oct 8	Oct 9	Oct 10	Oct 11	Oct 12	Oct 13	Oct 14	Oct 15	Oct 16	Oct 17	Oct 18	Oct 19						
①	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND						
②	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND						
③	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND						
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
⑤	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND						
⑥	-	* 1	ND	-	-	-	-	-	ND	-	-	-	-	-	-						
⑦	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND						
⑧	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND						
⑨	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND						

Cs-134(Bq/cm³)

Sampling Location	Oct 5	Oct 6	Oct 7	Oct 8	Oct 9	Oct 10	Oct 11	Oct 12	Oct 13	Oct 14	Oct 15	Oct 16	Oct 17	Oct 18	Oct 19						
①	ND	* 1	0.019	ND	ND	0.012	ND	ND	ND	* 1	0.018	ND	0.022	ND	ND						
②	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND						
③	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND						
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
⑤	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND						
⑥	-	* 1	ND	-	-	-	-	-	-	ND	-	-	-	-	-						
⑦	0.032	* 1	0.015	0.032	0.03	0.021	0.037	0.029	0.049	* 1	0.034	0.016	0.035	0.022	0.039						
⑧	ND	* 1	0.033	0.043	0.026	0.019	0.018	0.018	0.014	* 1	0.029	0.019	0.02	0.019	0.028						
⑨	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND						

Cs-137(Bq/cm³)

Sampling Location	Oct 5	Oct 6	Oct 7	Oct 8	Oct 9	Oct 10	Oct 11	Oct 12	Oct 13	Oct 14	Oct 15	Oct 16	Oct 17	Oct 18	Oct 19						
①	ND	* 1	0.041	ND	ND	0.044	ND	ND	ND	* 1	0.056	0.027	0.068	0.022	0.02						
②	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND						
③	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND						
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
⑤	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND						
⑥	-	* 1	ND	-	-	-	-	-	-	ND	-	-	-	-	-						
⑦	0.083	* 1	0.061	0.098	0.1	0.083	0.11	0.12	0.11	* 1	0.087	0.065	0.13	0.085	0.12						
⑧	ND	* 1	0.098	0.097	0.061	0.046	0.08	0.058	0.063	* 1	0.089	0.071	0.063	0.067	0.042						
⑨	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND	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.0.01Bq/cm³, Cs-137: Approx.0.02Bq/cm³
 (October 19, 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 Not sampled because of bad weather (October 6 and 14, 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