

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

I-131(Bq/cm³)

Sampling Location	Jul 27	Jul 28	Jul 29	Jul 30	Jul 31	Aug 01	Aug 02	Aug 03	Aug 04	Aug 05	Aug 06	Aug 07	Aug 08	Aug 09	Aug 10	Aug 11					
①	ND																				
②	ND																				
③	ND																				
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
⑤	ND																				
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND					
⑦	ND																				
⑧	ND																				
⑨	ND																				

Cs-134(Bq/cm³)

Sampling Location	Jul 27	Jul 28	Jul 29	Jul 30	Jul 31	Aug 01	Aug 02	Aug 03	Aug 04	Aug 05	Aug 06	Aug 07	Aug 08	Aug 09	Aug 10	Aug 11					
①	ND																				
②	ND																				
③	ND																				
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
⑤	ND																				
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND					
⑦	0.021	0.017	0.024	0.024	ND	0.036	0.025	0.022	0.018	0.019	0.026	0.031	0.032	0.031	0.058	0.046					
⑧	ND	ND	0.014	ND	0.015	ND	0.016	ND	0.017												
⑨	ND																				

Cs-137(Bq/cm³)

Sampling Location	Jul 27	Jul 28	Jul 29	Jul 30	Jul 31	Aug 01	Aug 02	Aug 03	Aug 04	Aug 05	Aug 06	Aug 07	Aug 08	Aug 09	Aug 10	Aug 11					
①	ND																				
②	ND																				
③	ND																				
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
⑤	ND																				
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND					
⑦	0.086	0.067	0.07	0.072	0.057	0.1	0.078	0.076	0.06	0.078	0.092	0.093	0.13	0.094	0.12	0.14					
⑧	0.026	0.033	0.028	0.025	0.028	0.028	0.023	0.031	0.03	0.033	0.036	0.024	0.029	0.031	0.026	0.035					
⑨	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 (August 11, 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.

- <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