

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

I-131(Bq/cm<sup>3</sup>)

Sampling Location	Sep 28	Sep 29	Sep 30	Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7	Oct 8	Oct 9	Oct 10	Oct 11	Oct 12	Oct 13	Oct 14	Oct 15			
①	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND			
②	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND			
③	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND			
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
⑤	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND			
⑥	-	ND	-	-	-	-	-	-	* 1	ND	-	-	-	-	-	-	ND	-			
⑦	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND			
⑧	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND			
⑨	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND			

Cs-134(Bq/cm<sup>3</sup>)

Sampling Location	Sep 28	Sep 29	Sep 30	Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7	Oct 8	Oct 9	Oct 10	Oct 11	Oct 12	Oct 13	Oct 14	Oct 15			
①	ND	ND	ND	ND	ND	ND	ND	ND	* 1	0.019	ND	ND	0.012	ND	ND	ND	* 1	0.018			
②	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND			
③	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND			
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
⑤	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND			
⑥	-	ND	-	-	-	-	-	-	* 1	ND	-	-	-	-	-	-	ND	-			
⑦	0.015	0.03	0.021	0.035	0.028	0.029	0.035	0.032	* 1	0.015	0.032	0.03	0.021	0.037	0.029	0.049	* 1	0.034			
⑧	ND	ND	ND	ND	ND	ND	ND	ND	* 1	0.033	0.043	0.026	0.019	0.018	0.018	0.014	* 1	0.029			
⑨	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND			

Cs-137(Bq/cm<sup>3</sup>)

Sampling Location	Sep 28	Sep 29	Sep 30	Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7	Oct 8	Oct 9	Oct 10	Oct 11	Oct 12	Oct 13	Oct 14	Oct 15			
①	ND	ND	ND	ND	ND	ND	ND	ND	* 1	0.041	ND	ND	0.044	ND	ND	ND	* 1	0.056			
②	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND			
③	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND			
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
⑤	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	ND			
⑥	-	ND	-	-	-	-	-	-	* 1	ND	-	-	-	-	-	-	ND	-			
⑦	0.063	0.074	0.064	0.11	0.1	0.11	0.12	0.083	* 1	0.061	0.098	0.1	0.083	0.11	0.12	0.11	* 1	0.087			
⑧	ND	0.038	0.021	0.024	ND	ND	0.019	ND	* 1	0.098	0.097	0.061	0.046	0.08	0.058	0.063	* 1	0.089			
⑨	ND	ND	ND	ND	ND	ND	ND	ND	* 1	ND	ND	ND	ND	ND	ND	ND	* 1	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/cm<sup>3</sup>, Cs-134: Approx.0.01Bq/cm<sup>3</sup>, Cs-137: Approx.0.02Bq/cm<sup>3</sup>  
 (October 15, 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

\*1 Not sampled because of bad weather (October 6 and 14, 2014)