

**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	After transfer																				
	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	Oct 16	Oct 17			
①	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
②	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
③	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
⑤	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-	-			
⑦	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
⑧	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
⑨	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			

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

Sampling Location																					
	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	Oct 16	Oct 17			
①	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.033	ND	ND			
②	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
③	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
⑤	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-	-			
⑦	0.12	0.17	0.12	0.14	0.091	0.19	0.32	0.17	0.16	0.074	0.13	0.068	0.11	0.19	0.14	0.12	0.11	0.05			
⑧	ND	ND	ND	ND	ND	0.032	0.031	0.039	0.028	0.02	0.031	0.017	ND	ND	ND	0.036	0.029	0.027			
⑨	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			

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

Sampling Location																					
	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	Oct 16	Oct 17			
①	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
②	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
③	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
⑤	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-	-			
⑦	0.2	0.28	0.16	0.22	0.14	0.27	0.54	0.26	0.25	0.12	0.2	0.1	0.18	0.31	0.21	0.18	0.18	0.075			
⑧	ND	ND	ND	ND	0.04	0.051	0.066	0.065	0.051	0.025	0.041	0.046	0.03	0.024	0.027	0.026	0.051	0.054			
⑨	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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/cm<sup>3</sup>, Cs-134: Approx.0.02Bq/cm<sup>3</sup>, Cs-137: Approx.0.02Bq/cm<sup>3</sup> (October 17, 2012)

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