

**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	Jun 08	Jun 09	Jun 10	Jun 11	Jun 12	Jun 13	Jun 14	Jun 15	Jun 16	Jun 17	Jun 18	Jun 19	Jun 20	Jun 21	Jun 22	Jun 23					
①	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					
③	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					
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND					
⑦	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					
⑨	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	Jun 08	Jun 09	Jun 10	Jun 11	Jun 12	Jun 13	Jun 14	Jun 15	Jun 16	Jun 17	Jun 18	Jun 19	Jun 20	Jun 21	Jun 22	Jun 23					
①	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					
③	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					
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND					
⑦	0.024	0.042	0.045	0.041	0.024	0.031	0.032	0.028	0.034	0.03	0.037	0.028	0.025	0.02	0.028	0.028					
⑧	ND	ND	0.17	0.062	0.11	0.069	0.055	0.054	0.07	0.044	0.044	0.046	0.046	0.034	0.015	0.037					
⑨	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	Jun 08	Jun 09	Jun 10	Jun 11	Jun 12	Jun 13	Jun 14	Jun 15	Jun 16	Jun 17	Jun 18	Jun 19	Jun 20	Jun 21	Jun 22	Jun 23					
①	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					
③	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					
⑥	-	ND	-	-	-	-	-	-	0.046	-	-	-	-	-	-	ND					
⑦	0.072	0.13	0.13	0.076	0.083	0.083	0.086	0.068	0.085	0.084	0.079	0.077	0.072	0.077	0.076	0.054					
⑧	ND	ND	0.46	0.17	0.29	0.23	0.17	0.14	0.16	0.13	0.12	0.11	0.095	0.11	0.079	0.074					
⑨	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. 0.009Bq/cm<sup>3</sup>, Cs-134: Approx. 0.01Bq/cm<sup>3</sup>, Cs-137: Approx. 0.02Bq/cm<sup>3</sup> (June 23, 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