

## 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	Dec 07	Dec 08	Dec 09	Dec 10	Dec 11	Dec 12	Dec 13	Dec 14	Dec 15	Dec 16	Dec 17	Dec 18	Dec 19	Dec 20	Dec 21	Dec 22	Dec 23	Dec 24			
①	ND	*1	ND	ND	ND	ND	ND	ND													
②	ND	*1	ND	ND	ND	ND	ND	ND													
③	ND	*1	ND	ND	ND	ND	ND	ND													
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
⑤	ND	*1	ND	ND	ND	ND	ND	ND													
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-	-			
⑦	ND	*1	ND	ND	ND	ND	ND	ND													
⑧	ND	*1	ND	ND	ND	ND	ND	ND													
⑨	ND	*1	ND	ND	ND	ND	ND	ND													

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

Sampling Location	Dec 07	Dec 08	Dec 09	Dec 10	Dec 11	Dec 12	Dec 13	Dec 14	Dec 15	Dec 16	Dec 17	Dec 18	Dec 19	Dec 20	Dec 21	Dec 22	Dec 23	Dec 24			
①	ND	*1	ND	ND	ND	ND	ND	ND													
②	ND	*1	ND	ND	ND	ND	ND	ND													
③	ND	*1	ND	ND	ND	ND	ND	ND													
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
⑤	ND	*1	ND	ND	ND	ND	ND	ND													
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-	-			
⑦	ND	0.027	0.011	0.027	0.024	0.026	0.021	0.034	0.02	0.03	0.014	*1	0.025	0.024	0.013	ND	0.033	0.015			
⑧	ND	0.012	0.015	ND	0.01	ND	ND	ND	ND	ND	0.016	*1	ND	ND	ND	ND	ND	ND			
⑨	ND	*1	ND	ND	ND	ND	ND	ND													

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

Sampling Location	Dec 07	Dec 08	Dec 09	Dec 10	Dec 11	Dec 12	Dec 13	Dec 14	Dec 15	Dec 16	Dec 17	Dec 18	Dec 19	Dec 20	Dec 21	Dec 22	Dec 23	Dec 24			
①	ND	*1	ND	ND	ND	ND	ND	ND													
②	ND	*1	ND	ND	ND	ND	ND	ND													
③	ND	*1	ND	ND	ND	ND	ND	ND													
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
⑤	ND	*1	ND	ND	ND	ND	ND	ND													
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-	-			
⑦	0.037	0.045	0.04	0.09	0.086	0.072	0.058	0.081	0.097	0.086	0.067	*1	0.086	0.076	0.034	0.065	0.078	0.079			
⑧	0.022	0.049	0.03	0.023	0.031	0.024	0.035	0.025	0.022	ND	0.023	*1	0.034	0.03	0.031	0.031	0.019	0.024			
⑨	ND	*1	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. 0.008Bq/cm<sup>3</sup>, Cs-134: Approx.0.01Bq/cm<sup>3</sup>, Cs-137: Approx.0.02Bq/cm<sup>3</sup> (December 24, 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.

&lt;Place of Sampling&gt;

- 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