Oct 24, 2014

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

I-131(Bq/cm^3)

Sampling Location	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	Oct 18	Oct 19	Oct 20	Oct 21	Oct 22	Oct 23		
①	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
②	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
③	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
⑤	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
⑥	-	*1	ND	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-	-	-		
⑦	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
⑧	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
⑨	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND	ND		

Cs-134(Bq/cm^3)

Sampling Location	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	Oct 18	Oct 19	Oct 20	Oct 21	Oct 22	Oct 23		
①	ND	*1	0.019	ND	ND	0.012	ND	ND	ND	*1	0.018	ND	0.022	ND	ND	0.023	ND	ND	0.019		
②	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
③	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
⑤	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
⑥	-	*1	ND	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-	-	-		
⑦	0.032	*1	0.015	0.032	0.03	0.021	0.037	0.029	0.049	*1	0.034	0.016	0.035	0.022	0.039	0.026	0.037	0.027	0.021		
⑧	ND	*1	0.033	0.043	0.026	0.019	0.018	0.018	0.014	*1	0.029	0.019	0.02	0.019	0.028	0.013	0.026	0.013	ND		
⑨	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND	ND		

Cs-137(Bq/cm^3)

Sampling Location	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	Oct 18	Oct 19	Oct 20	Oct 21	Oct 22	Oct 23		
①	ND	*1	0.041	ND	ND	0.044	ND	ND	ND	*1	0.056	0.027	0.068	0.022	0.02	0.08	0.034	0.036	0.04		
②	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
③	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
⑤	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
⑥	-	*1	ND	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-	-	-		
⑦	0.083	*1	0.061	0.098	0.1	0.083	0.11	0.12	0.11	*1	0.087	0.065	0.13	0.085	0.12	0.073	0.095	0.096	0.074		
⑧	ND	*1	0.098	0.097	0.061	0.046	0.08	0.058	0.063	*1	0.089	0.071	0.063	0.067	0.042	0.03	0.053	0.056	0.028		
⑨	ND	*1	ND	ND	ND	ND	ND	ND	ND	*1	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.
* Samping 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^3, Cs-134: Approx.0.01Bq/cm^3, Cs-137: Approx.0.02Bq/cm^3
（October 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.

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

<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