Nov 05, 2013

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 20	Oct 21	Oct 22	Oct 23	Oct 24	Oct 25	Oct 26	Oct 27	Oct 28	Oct 29	Oct 30	Oct 31	Nov 01	Nov 02	Nov 03	Nov 04					
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^3)

Sampling Location	Oct 20	Oct 21	Oct 22	Oct 23	Oct 24	Oct 25	Oct 26	Oct 27	Oct 28	Oct 29	Oct 30	Oct 31	Nov 01	Nov 02	Nov 03	Nov 04					
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	0.034	0.043	0.056	0.046	0.039	0.035	0.044	0.041	0.048	0.033	0.025	0.032	0.019	ND	0.018	0.016					
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND					
⑦	0.038	0.049	0.038	0.027	0.036	0.035	0.025	0.043	0.032	0.055	0.046	0.033	0.042	0.055	0.041	0.048					
⑧	0.051	0.097	0.1	0.083	0.08	0.056	0.049	0.045	0.055	0.039	0.041	0.042	0.03	0.028	0.025	0.025					
⑨	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					

Cs-137(Bq/cm^3)

Sampling Location	Oct 20	Oct 21	Oct 22	Oct 23	Oct 24	Oct 25	Oct 26	Oct 27	Oct 28	Oct 29	Oct 30	Oct 31	Nov 01	Nov 02	Nov 03	Nov 04					
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	0.067	0.12	0.12	0.11	0.11	0.076	0.085	0.074	0.076	0.074	0.052	0.066	0.044	0.06	0.058	0.048					
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND					
⑦	0.087	0.093	0.13	0.083	0.075	0.081	0.061	0.081	0.085	0.09	0.12	0.075	0.12	0.13	0.086	0.12					
⑧	0.17	0.19	0.22	0.16	0.17	0.15	0.087	0.12	0.11	0.1	0.091	0.082	0.073	0.08	0.063	0.066					
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.
* 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. 0.01Bq/cm^3, Cs-134: Approx.0.01Bq/cm^3, Cs-137: Approx.0.02Bq/cm^3（November 4, 2013）
  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