Nov 26, 2012

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	After transfer																				
	Nov 11	Nov 12	Nov 13	Nov 14	Nov 15	Nov 16	Nov 17	Nov 18	Nov 19	Nov 20	Nov 21	Nov 22	Nov 23	Nov 24	Nov 25						
①	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						
③	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						
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-						
⑦	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						
⑨	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						

Cs-134(Bq/cm^3)

Sampling Location																					
	Nov 11	Nov 12	Nov 13	Nov 14	Nov 15	Nov 16	Nov 17	Nov 18	Nov 19	Nov 20	Nov 21	Nov 22	Nov 23	Nov 24	Nov 25						
①	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						
③	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						
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-						
⑦	0.11	0.1	0.12	0.12	0.12	0.079	0.11	0.052	0.12	0.097	0.11	0.053	0.11	0.063	0.12						
⑧	ND	ND	ND	ND	ND	0.022	ND	ND	ND	ND	ND	ND	ND	0.021	ND						
⑨	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						

Cs-137(Bq/cm^3)

Sampling Location																					
	Nov 11	Nov 12	Nov 13	Nov 14	Nov 15	Nov 16	Nov 17	Nov 18	Nov 19	Nov 20	Nov 21	Nov 22	Nov 23	Nov 24	Nov 25						
①	ND	0.031	0.035	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.022	ND	ND						
②	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						
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
⑤	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-						
⑦	0.21	0.15	0.21	0.2	0.2	0.15	0.18	0.12	0.21	0.16	0.19	0.088	0.18	0.081	0.19						
⑧	ND	ND	ND	0.024	0.027	0.033	ND	0.026	ND	0.022	ND	ND	ND	0.024	0.022						
⑨	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 at④.
* 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.0.02Bq/cm^3, Cs-137: Approx.0.02Bq/cm^3 (November 25, 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