Oct 8, 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	Sep 22	Sep 23	Sep 24	Sep 25	Sep 26	Sep 27	Sep 28	Sep 29	Sep 30	Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7					
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	Sep 22	Sep 23	Sep 24	Sep 25	Sep 26	Sep 27	Sep 28	Sep 29	Sep 30	Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7					
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	0.073	0.059	0.061	0.046	0.068	0.069	0.076	0.042	0.061	0.037	0.079	0.047	0.037	0.042	0.045	0.056					
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-137(Bq/cm^3)

Sampling Location	Sep 22	Sep 23	Sep 24	Sep 25	Sep 26	Sep 27	Sep 28	Sep 29	Sep 30	Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7					
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	0.13	0.12	0.17	0.12	0.16	0.14	0.17	0.10	0.13	0.098	0.18	0.12	0.092	0.1	0.075	0.11					
⑧	ND	ND	ND	ND	0.028	0.024	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					

* 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 (October 7, 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