Feb 18, 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	Feb 02	Feb 03	Feb 04	Feb 05	Feb 06	Feb 07	Feb 08	Feb 09	Feb 10	Feb 11	Feb 12	Feb 13	Feb 14	Feb 15	Feb 16	Feb 17				
①	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND				
②	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND				
③	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND				
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
⑤	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND				
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND				
⑦	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND				
⑧	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND				
⑨	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND				

Cs-134(Bq/cm^3)

Sampling Location	Feb 02	Feb 03	Feb 04	Feb 05	Feb 06	Feb 07	Feb 08	Feb 09	Feb 10	Feb 11	Feb 12	Feb 13	Feb 14	Feb 15	Feb 16	Feb 17				
①	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	0.023	0.046	0.022				
②	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND				
③	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND				
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
⑤	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND				
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND				
⑦	0.047	0.055	0.04	0.061	0.068	0.051	0.038	*1	0.065	0.036	0.039	0.053	0.04	0.046	0.053	0.054				
⑧	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	0.024	ND				
⑨	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND				

Cs-137(Bq/cm^3)

Sampling Location	Feb 02	Feb 03	Feb 04	Feb 05	Feb 06	Feb 07	Feb 08	Feb 09	Feb 10	Feb 11	Feb 12	Feb 13	Feb 14	Feb 15	Feb 16	Feb 17				
①	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	0.068	0.12	0.12				
②	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND				
③	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND				
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
⑤	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	ND	ND				
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND				
⑦	0.14	0.11	0.094	0.17	0.16	0.14	0.09	*1	0.16	0.11	0.095	0.11	0.11	0.1	0.15	0.13				
⑧	ND	ND	ND	ND	ND	ND	ND	*1	ND	ND	ND	ND	ND	ND	0.073	0.028				
⑨	ND	ND	ND	ND	ND	ND	ND	*1	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. 0.008Bq/cm^3, Cs-134: Approx. 0.01Bq/cm^3, Cs-137: Approx. 0.02Bq/cm^3 （February 17, 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.

*1 The sampling could not be performed due to the snow on February 9.

<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