Aug 03, 2011

Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

I-131(Bq/cm^3)

Sampling point	After transfer																				
	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31	8/1	8/2				
①	ND	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	ND				
③	ND	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	ND				
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-				
⑦	ND	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	ND				

Cs-134(Bq/cm^3)

Sampling point	After transfer																				
	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31	8/1	8/2				
①	ND	ND	ND	ND	0.17	0.12	0.13	ND	ND	ND	0.067	0.027	0.096	0.095	0.068	ND	0.037				
②	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
③	0.052	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
⑤	0.045	0.044	0.027	ND	ND	ND	ND	ND	ND	0.036	0.046	ND	ND	ND	0.031	ND	0.056				
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-				
⑦	0.24	0.33	0.27	0.24	0.31	0.43	0.48	0.4	0.27	0.21	0.25	0.37	0.31	0.22	0.29	0.26	0.35				
⑧	0.028	ND	ND	0.038	0.16	0.068	ND	ND	ND	ND	ND	0.044	ND	ND	ND	ND	ND				

Cs-137(Bq/cm^3)

Sampling point	After transfer																				
	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31	8/1	8/2				
①	ND	ND	ND	ND	0.17	0.13	0.13	0.046	ND	ND	0.081	ND	0.099	0.094	0.085	ND	0.035				
②	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
③	0.054	ND	ND	ND	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
⑤	0.034	0.039	ND	ND	ND	0.029	ND	ND	ND	0.038	ND	0.037	ND	ND	ND	ND	0.056				
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-				
⑦	0.31	0.37	0.3	0.24	0.33	0.48	0.5	0.43	0.34	0.26	0.31	0.39	0.34	0.26	0.33	0.25	0.41				
⑧	ND	ND	0.063	0.036	0.16	0.087	ND	ND	ND	ND	ND	0.039	ND	0.029	0.04	ND	ND				

* Hyphen "-" indicates that neither sampling nor measurements were implemented.
* ⑥ was conducted as upstream of the groundwater once a week from April 29 since it was unable to sample at ④.
* In this analysis, "ND" means that the results fall bellow the measurable threshold.
  (I-131: approx. 0.02Bq/cm3, Cs-134: approx. 0.03Bq/cm3, and Cs-137: approx. 0.04Bq/cm3)
  (as of July 31).
  Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.
* We have been sampling at ⑦ since May 26, for it is located downstream of the groundwater.
* We have been sampling at ⑧ since May 30.

<Place of sampling>
①Southeast part of Unit 4 Turbine Building
②Northeast part of Process Main Building
③Southeast part of Process Main Building
④Southwest part of Process Main Building
⑤South part of Miscellaneous Solid Waste Volume Reduction Treatment Building
⑥Southwest part of On-site Bunker Building
⑦West part of Incineration Workshop Building
⑧North part of Miscellaneous Solid Waste Volume Reduction Treatment Building