August 12, 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																				
	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31	8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11		
①	ND	ND	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	ND	ND		
③	ND	ND	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	ND	ND		
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-	-	-		
⑦	ND	ND	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	ND	ND		
⑨	-	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

Cs-134(Bq/cm^3)

Sampling point	After transfer																				
	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31	8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11		
①	ND	ND	ND	0.067	0.027	0.096	0.095	0.068	ND	0.037	0.035	0.042	ND	ND	0.047	ND	0.087	0.095	ND		
②	ND	ND	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	ND	ND		
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
⑤	ND	ND	0.036	0.046	ND	ND	ND	0.031	ND	0.056	0.055	ND	0.053	0.09	0.05	0.037	0.04	ND	ND		
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-	-	-		
⑦	0.4	0.27	0.21	0.25	0.37	0.31	0.22	0.29	0.26	0.35	0.46	0.58	0.21	0.26	0.2	0.25	0.38	0.25	0.22		
⑧	ND	ND	ND	ND	0.044	ND	ND	ND	ND	ND	0.029	ND	ND	ND	ND	ND	ND	ND	ND		
⑨	-	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	0.11	ND	ND	ND		

Cs-137(Bq/cm^3)

Sampling point	After transfer																				
	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31	8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11		
①	0.046	ND	ND	0.081	ND	0.099	0.094	0.085	ND	0.035	0.032	0.048	ND	ND	0.051	ND	0.074	0.1	ND		
②	ND	ND	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	ND	ND		
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
⑤	ND	ND	0.038	ND	0.037	ND	ND	ND	ND	0.056	0.053	ND	0.064	0.073	0.045	0.039	0.033	ND	ND		
⑥	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND	-	-	-		
⑦	0.43	0.34	0.26	0.31	0.39	0.34	0.26	0.33	0.25	0.41	0.51	0.69	0.24	0.28	0.23	0.28	0.35	0.27	0.3		
⑧	ND	ND	ND	ND	0.039	ND	0.029	0.04	ND	ND	ND	0.029	ND	ND	ND	ND	0.028	ND	ND		
⑨	-	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	0.1	ND	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 at④.
* In this analysis, "ND" means that the results fall bellow the measurable threshold.
  (I-131: approx. 0.01Bq/cm3, Cs-134: approx. 0.03Bq/cm3, and Cs-137: approx. 0.04Bq/cm3)
  (as of August 11).
* 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.
* We have been sampling at ⑨ since August 2.

<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
⑨Southeast part of On-site Bunker Building