July 18, 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																				
	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/17						
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	0.017	ND	ND						
⑧	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						

Cs-134(Bq/cm^3)

Sampling point	After transfer																				
	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/17						
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	0.049	0.029	ND	ND	ND						
③	ND	ND	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.052						
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
⑤	0.056	0.051	0.077	0.071	ND	ND	0.081	ND	0.08	0.043	0.081	ND	0.06	0.055	0.045						
⑥	-	0.039	-	-	-	-	-	-	ND	-	-	-	-	-	-						
⑦	0.2	0.21	0.14	0.53	0.41	0.32	0.5	0.27	0.53	0.31	0.48	0.3	0.25	0.28	0.24						
⑧	ND	ND	ND	ND	0.043	0.036	ND	ND	0.028	ND	ND	0.041	ND	0.048	0.028						

Cs-137(Bq/cm^3)

Sampling point	After transfer																				
	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/17						
①	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.035	ND	ND						
②	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.037	ND	ND	ND	ND						
③	ND	ND	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.054						
④	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
⑤	0.067	0.031	0.094	0.12	ND	ND	0.082	ND	0.12	0.039	0.083	0.049	0.047	0.042	0.034						
⑥	-	0.045	-	-	-	-	-	-	ND	-	-	-	-	-	-						
⑦	0.25	0.26	0.26	0.57	0.44	0.35	0.57	0.32	0.58	0.34	0.52	0.32	0.31	0.31	0.31						
⑧	ND	ND	ND	ND	0.055	0.049	ND	ND	0.051	ND	ND	0.035	ND	0.037	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 16). 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