Jul 1, 2014

## Nuclides Analysis Result of the Sub-drain Water in the Surroundings of the Central Radioactive Waste Treatment Facility

I-131(Bq/cm<sup>3</sup>)

ocation	Jun 15	Jun 16	Jun 17	Jun 18	Jun 19	Jun 20	Jun 21	Jun 22	Jun 23	Jun 24	Jun 25	Jun 26	Jun 27	Jun 28	Jun 29	Jun 30			
1)	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	 <b> </b>	 	
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	 <b> </b>	 	
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	 	 	
5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	 <b> </b>	 	
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	 1		1
9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ampling	Bq/cm <sup>3</sup> )	lup 16	lup 17	lup 19	lup 10	lun 20	lup 21	lun 22	lun 22	lun 24	lun 25	lup 26	lup 27	lun 29	lun 20	lun 20			
Cs-134(	Bq/cm <sup>3</sup> )																		
ampling	Bq/cm <sup>3</sup> ) Jun 15	Jun 16	Jun 17	Jun 18	Jun 19	Jun 20	Jun 21	Jun 22	Jun 23	Jun 24	Jun 25	Jun 26	Jun 27	Jun 28	Jun 29	Jun 30			
ampling ocation	Jun 15 ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ampling ocation ① ②	Jun 15						ND ND			ND ND		ND ND	ND ND	ND ND	ND ND				
ampling ocation	Jun 15 ND	ND ND	ND	ND	ND ND	ND	ND	ND	ND ND	ND ND	ND	ND ND	ND ND	ND	ND	ND ND			
ampling ocation	Jun 15 ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND			
iampling ocation ① ② ③	Jun 15 ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND			
ampling ocation (1) (2) (3) (4)	Jun 15 ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND -	ND ND ND			
ampling location (1) (2) (3) (4) (5) (6) (7)	Jun 15 ND ND ND	ND ND ND - ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND - ND	ND ND - ND - 0.028	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND -	ND ND ND - ND			
ampling location (1) (2) (3) (4) (5) (6)	Jun 15 ND ND ND - ND	ND ND ND ND ND	ND ND ND - ND	ND ND ND - ND	ND ND ND - ND	ND ND ND - ND	ND ND - ND -	ND ND ND - ND	ND ND - ND 0.028	ND ND ND - ND -	ND ND ND - ND	ND ND - ND - 0.018	ND ND ND - ND	ND ND ND - ND	ND ND - ND - 0.017	ND ND - ND ND			
ampling ocation (1) (2) (3) (4) (5) (6) (7)	Jun 15 ND ND - 0.028	ND ND ND ND ND 0.034	ND ND - ND - 0.03	ND ND - ND - 0.037	ND ND - ND - 0.028	ND ND - ND - 0.025	ND ND - ND - 0.02	ND ND - ND - 0.028	ND ND - ND 0.028 0.037	ND ND - ND - 0.028	ND ND - ND - 0.022	ND ND - ND - 0.018 0.023	ND ND - ND - 0.018	ND ND - ND - 0.018	ND ND - ND - 0.017	ND ND - ND 0.035			
ampling ocation (1) (2) (3) (4) (5) (6) (7) (8) (9)	Jun 15 ND ND ND - 0.028 0.054	ND ND ND ND 0.034 0.07	ND ND - ND - 0.03 0.044	ND ND - ND - 0.037 0.044	ND ND - ND - 0.028 0.046	ND ND - ND - 0.025 0.046	ND ND - ND - 0.02 0.034	ND ND - ND - 0.028 0.015	ND ND - ND 0.028 0.037	ND ND - ND - 0.028 0.026	ND ND - ND - 0.022 0.025	ND ND - ND - 0.018 0.023	ND ND - ND - 0.018 0.019	ND ND - ND - 0.018 0.028	ND ND - ND - 0.017 0.026	ND ND - ND 0.035 0.029			

Sampling																			
Location	Jun 15	Jun 16	Jun 17	Jun 18	Jun 19	Jun 20	Jun 21	Jun 22	Jun 23	Jun 24	Jun 25	Jun 26	Jun 27	Jun 28	Jun 29	Jun 30			
1	ND																		
2	ND																		
3	ND																		
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
5	ND																		
6	-	0.046	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND			
$\bigcirc$	0.068	0.085	0.084	0.079	0.077	0.072	0.077	0.076	0.054	0.057	0.072	0.046	0.075	0.073	0.066	0.089			
8	0.14	0.16	0.13	0.12	0.11	0.095	0.11	0.079	0.074	0.077	0.073	0.076	0.072	0.065	0.063	0.065			
9	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. 0.009Bq/cm<sup>3</sup>, Cs-134: Approx. 0.01Bq/cm<sup>3</sup>, Cs-137: Approx. 0.02Bq/cm<sup>3</sup> (June 30, 2014)

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
- T 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