## 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	Nov 2	Nov 3	Nov 4	Nov 5	Nov 6	Nov 7	Nov 8	Nov 9	Nov 10	Nov 11	Nov 12	Nov 13	Nov 14	Nov 15	Nov 16			
1	ND	ND	ND	ND	ND	ND	ND											
2	ND	ND	ND	ND	ND	ND	ND											
3	ND	ND	ND	ND	ND	ND	ND											
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
⑤	ND	ND	ND	ND	ND	ND	ND											
6	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-			
Ī	ND	ND	ND	ND	ND	ND	ND											
8	ND	ND	ND	ND	ND	ND	ND											
9	ND	ND	ND	ND	ND	ND	ND											

## Cs-134(Ba/cm^3)

55 15 ((Sq.siii 5)																		
Sampling																		
Location	Nov 2	Nov 3	Nov 4	Nov 5	Nov 6	Nov 7	Nov 8	Nov 9	Nov 10	Nov 11	Nov 12	Nov 13	Nov 14	Nov 15	Nov 16			
1	ND	ND	ND	ND	ND	ND	ND											
2	ND	ND	ND	ND	ND	ND	ND											
3	ND	ND	ND	ND	ND	ND	ND											
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
⑤	ND	ND	ND	ND	ND	ND	ND											
6	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-			
⑦	ND	0.023	0.02	0.03	0.018	0.027	0.019	0.028	0.032	0.014	0.018	0.019	ND	0.026	0.03			
8	0.016	0.017	ND	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012			 
9	ND	ND	ND	ND	ND	ND	ND			 								

## Cs-137(Bq/cm^3)

	5 q/ 0 O	,																	
Sampling																			
Location	Nov 2	Nov 3	Nov 4	Nov 5	Nov 6	Nov 7	Nov 8	Nov 9	Nov 10	Nov 11	Nov 12	Nov 13	Nov 14	Nov 15	Nov 16				
1	ND	ND	0.027	0.032	ND	ND	ND	ND	0.027	0.022	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	0.069	0.064	0.051	0.08	0.065	0.088	0.076	0.11	0.1	0.066	0.052	0.11	0.044	0.085	0.1				
8	0.036	0.038	0.035	0.062	0.03	ND	0.026	0.023	ND	0.027	0.02	0.02	0.021	0.027	0.03				
9	ND	ND	ND	ND	ND	ND	ND	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 ® 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. 0.01Bq/cm<sup>3</sup>, Cs-134: Approx.0.01Bq/cm<sup>3</sup>, Cs-137: Approx.0.02Bq/cm<sup>3</sup> (H26 11/16) 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 Building② Northeast of the Process Main Building③ Southeast of the Process Main Building④ Southwest of the Process Main Building
- ⑤ South Part of the Miscellaneous Solid Waste Volume Reduction Treatment Building
- Southwest Part of the On-site Bunker Building
   West Side of the Incineration Workshop Building
- ® North Part of the Miscellaneous Solid Waste Volume Reduction Treatment Building