# 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>)

Sampling	After transfer																		
Location	Dec 9	Dec 10	Dec 11	Dec 12	Dec 13	Dec 14	Dec 15	Dec 16	Dec 17	Dec 18	Dec 19	Dec 20	Dec 21	Dec 22	Dec 23	Dec 24			
	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			
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	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	ND	ND	ND			
	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			

## Cs-134(Bq/cm<sup>3</sup>)

Sampling																			
Location	Dec 9	Dec 10	Dec 11	Dec 12	Dec 13	Dec 14	Dec 15	Dec 16	Dec 17	Dec 18	Dec 19	Dec 20	Dec 21	Dec 22	Dec 23	Dec 24			
	0.028	0.018	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	ND			
	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND			
	0.11	0.11	0.045	0.13	0.036	0.054	0.12	0.035	0.098	0.12	0.11	0.1	0.18	0.13	0.086	0.1			
	ND	ND	ND	0.016	ND														
	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			

## Cs-137(Bq/cm<sup>3</sup>)

Sampling																			
Location	Dec 9	Dec 10	Dec 11	Dec 12	Dec 13	Dec 14	Dec 15	Dec 16	Dec 17	Dec 18	Dec 19	Dec 20	Dec 21	Dec 22	Dec 23	Dec 24			
	0.037	0.027	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	ND			
	-	ND	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND			
	0.2	0.19	0.086	0.21	0.082	0.13	0.19	0.096	0.19	0.2	0.19	0.16	0.31	0.19	0.14	0.17			
	ND	0.025	ND	0.021	0.023	ND	0.023	0.021	ND	ND									
	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			

- \* Hyphen "-" indicates that neither sampling nor measurement was implemented.
- \* 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
- \* Sampling at (located in the downstream of the groundwater) has been done since May 26, 2011.
- \* Samping at since May 30, 2011
- \* Sampling at 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.0.02Bq/cm<sup>3</sup>, Cs-137: Approx.0.02Bq/cm<sup>3</sup> (December 24, 2012)

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>

Southeast of Unit 4 Turbine Building

Northeast of the Process Main Building

Southeast of the Process Main Building

Southwest of the Process Main Building

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 Southeast Part of the On-site Bunker Building