

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 Location																					
	Oct 19	Oct 20	Oct 21	Oct 22	Oct 23	Oct 24	Oct 25	Oct 26	Oct 27	Oct 28	Oct 29	Oct 30	Oct 31	Nov 1	Nov 2	Nov 3	Nov 4	Nov 5	Nov 6		
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	ND	ND	ND	ND	ND	ND	ND	ND	ND		

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

Sampling Location																					
	Oct 19	Oct 20	Oct 21	Oct 22	Oct 23	Oct 24	Oct 25	Oct 26	Oct 27	Oct 28	Oct 29	Oct 30	Oct 31	Nov 1	Nov 2	Nov 3	Nov 4	Nov 5	Nov 6		
①	ND	0.023	ND	ND	0.019	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	0.039	0.026	0.037	0.027	0.021	0.027	0.025	0.028	0.029	0.031	0.035	0.035	0.037	0.032	ND	0.023	0.02	0.03	0.018		
⑧	0.028	0.013	0.026	0.013	ND	0.012	0.016	0.023	ND	ND	ND	0.023	ND	ND	0.016	0.017	ND	0.02	ND		
⑨	ND	ND	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																					
	Oct 19	Oct 20	Oct 21	Oct 22	Oct 23	Oct 24	Oct 25	Oct 26	Oct 27	Oct 28	Oct 29	Oct 30	Oct 31	Nov 1	Nov 2	Nov 3	Nov 4	Nov 5	Nov 6		
①	0.02	0.08	0.034	0.036	0.04	ND	ND	ND	ND	ND	ND	0.026	0.044	0.028	ND	ND	0.027	0.032	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	0.12	0.073	0.095	0.096	0.074	0.097	0.074	0.12	0.084	0.095	0.11	0.099	0.12	0.097	0.069	0.064	0.051	0.08	0.065		
⑧	0.042	0.03	0.053	0.056	0.028	0.024	0.056	0.049	ND	0.039	0.045	0.047	0.037	0.049	0.036	0.038	0.035	0.062	0.03		
⑨	ND	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.  
 \* 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.  
 \* Sampling 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>  
 (November 6, 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  
 ⑦ 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