

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

I-131(Bq/cm³)

| Sampling Location | Sep 28 | Sep 29 | Sep 30 | Oct 1 | Oct 2 | Oct 3 | Oct 4 | Oct 5 | Oct 6 | Oct 7 | Oct 8 | Oct 9 | Oct 10 | Oct 11 | Oct 12 | Oct 13 | | | | | | |
|-------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--|--|--|--|--|--|
| ① | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | ND | ND | ND | ND | ND | ND | ND | | | | | | |
| ② | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | ND | ND | ND | ND | ND | ND | ND | | | | | | |
| ③ | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | ND | ND | ND | ND | ND | ND | ND | | | | | | |
| ④ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| ⑤ | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | ND | ND | ND | ND | ND | ND | ND | | | | | | |
| ⑥ | - | ND | - | - | - | - | - | - | * 1 | ND | - | - | - | - | - | ND | | | | | | |
| ⑦ | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | ND | ND | ND | ND | ND | ND | ND | | | | | | |
| ⑧ | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | ND | ND | ND | ND | ND | ND | ND | | | | | | |
| ⑨ | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | ND | ND | ND | ND | ND | ND | ND | | | | | | |

Cs-134(Bq/cm³)

| Sampling Location | Sep 28 | Sep 29 | Sep 30 | Oct 1 | Oct 2 | Oct 3 | Oct 4 | Oct 5 | Oct 6 | Oct 7 | Oct 8 | Oct 9 | Oct 10 | Oct 11 | Oct 12 | Oct 13 | | | | | | |
|-------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--|--|--|--|--|--|
| ① | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | 0.019 | ND | ND | 0.012 | ND | ND | ND | | | | | | |
| ② | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | ND | ND | ND | ND | ND | ND | ND | | | | | | |
| ③ | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | ND | ND | ND | ND | ND | ND | ND | | | | | | |
| ④ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| ⑤ | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | ND | ND | ND | ND | ND | ND | ND | | | | | | |
| ⑥ | - | ND | - | - | - | - | - | - | * 1 | ND | - | - | - | - | - | ND | | | | | | |
| ⑦ | 0.015 | 0.03 | 0.021 | 0.035 | 0.028 | 0.029 | 0.035 | 0.032 | * 1 | 0.015 | 0.032 | 0.03 | 0.021 | 0.037 | 0.029 | 0.049 | | | | | | |
| ⑧ | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | 0.033 | 0.043 | 0.026 | 0.019 | 0.018 | 0.018 | 0.014 | | | | | | |
| ⑨ | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | ND | ND | ND | ND | ND | ND | ND | | | | | | |

Cs-137(Bq/cm³)

| Sampling Location | Sep 28 | Sep 29 | Sep 30 | Oct 1 | Oct 2 | Oct 3 | Oct 4 | Oct 5 | Oct 6 | Oct 7 | Oct 8 | Oct 9 | Oct 10 | Oct 11 | Oct 12 | Oct 13 | | | | | | |
|-------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--|--|--|--|--|--|
| ① | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | 0.041 | ND | ND | 0.044 | ND | ND | ND | | | | | | |
| ② | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | ND | ND | ND | ND | ND | ND | ND | | | | | | |
| ③ | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | ND | ND | ND | ND | ND | ND | ND | | | | | | |
| ④ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| ⑤ | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | ND | ND | ND | ND | ND | ND | ND | | | | | | |
| ⑥ | - | ND | - | - | - | - | - | - | * 1 | ND | - | - | - | - | - | ND | | | | | | |
| ⑦ | 0.063 | 0.074 | 0.064 | 0.11 | 0.1 | 0.11 | 0.12 | 0.083 | * 1 | 0.061 | 0.098 | 0.1 | 0.083 | 0.11 | 0.12 | 0.11 | | | | | | |
| ⑧ | ND | 0.038 | 0.021 | 0.024 | ND | ND | 0.019 | ND | * 1 | 0.098 | 0.097 | 0.061 | 0.046 | 0.08 | 0.058 | 0.063 | | | | | | |
| ⑨ | ND | ND | ND | ND | ND | ND | ND | ND | * 1 | 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. 0.01Bq/cm³, Cs-134: Approx.0.01Bq/cm³, Cs-137: Approx.0.02Bq/cm³
 (October 13, 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

*1 Not sampled because of bad weather (October 6, 2014)