

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 8 | Sep 9 | Sep 10 | Sep 11 | Sep 12 | Sep 13 | Sep 14 | Sep 15 | Sep 16 | Sep 17 | Sep 18 | Sep 19 | Sep 20 | Sep 21 | Sep 22 | Sep 23 | Sep 24 | Sep 25 | Sep 26 | Sep 27 |
|-------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ① | ND | 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 | ND |
| ③ | ND | 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 | 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 | ND |
| ⑧ | ND | 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 | ND |

Cs-134(Bq/cm³)

| Sampling Location | Sep 8 | Sep 9 | Sep 10 | Sep 11 | Sep 12 | Sep 13 | Sep 14 | Sep 15 | Sep 16 | Sep 17 | Sep 18 | Sep 19 | Sep 20 | Sep 21 | Sep 22 | Sep 23 | Sep 24 | Sep 25 | Sep 26 | Sep 27 |
|-------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ① | ND | 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 | ND |
| ③ | ND | 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 | ND |
| ⑥ | - | ND | - | - | - | - | - | - | ND | - | - | - | - | - | - | ND | - | - | - | - |
| ⑦ | 0.046 | 0.067 | 0.051 | 0.052 | 0.063 | 0.055 | 0.044 | 0.064 | 0.064 | 0.053 | 0.063 | 0.053 | 0.056 | 0.046 | 0.073 | 0.059 | 0.061 | 0.046 | 0.068 | 0.069 |
| ⑧ | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.017 | 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 | ND |

Cs-137(Bq/cm³)

| Sampling Location | Sep 8 | Sep 9 | Sep 10 | Sep 11 | Sep 12 | Sep 13 | Sep 14 | Sep 15 | Sep 16 | Sep 17 | Sep 18 | Sep 19 | Sep 20 | Sep 21 | Sep 22 | Sep 23 | Sep 24 | Sep 25 | Sep 26 | Sep 27 |
|-------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ① | ND | 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 | ND |
| ③ | ND | 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 | ND |
| ⑥ | - | ND | - | - | - | - | - | - | ND | - | - | - | - | - | - | ND | - | - | - | - |
| ⑦ | 0.11 | 0.14 | 0.1 | 0.12 | 0.13 | 0.11 | 0.12 | 0.14 | 0.11 | 0.12 | 0.15 | 0.13 | 0.12 | 0.13 | 0.13 | 0.12 | 0.17 | 0.12 | 0.16 | 0.14 |
| ⑧ | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.056 | ND | ND | ND | ND | ND | ND | ND | ND | 0.028 | 0.024 |
| ⑨ | ND | 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/cm³, Cs-134: Approx.0.01Bq/cm³, Cs-137: Approx.0.02Bq/cm³ (September 27, 2013)

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