

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

I-131(Bq/cm³)

| Sampling Location | Dec 29 | Dec 30 | Dec 31 | Jan 01 | Jan 02 | Jan 03 | Jan 04 | Jan 05 | Jan 06 | Jan 07 | Jan 08 | Jan 09 | Jan 10 | Jan 11 | Jan 12 | Jan 13 | Jan 14 | Jan 15 | Jan 16 | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| 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/cm³)

| Sampling Location | Dec 29 | Dec 30 | Dec 31 | Jan 01 | Jan 02 | Jan 03 | Jan 04 | Jan 05 | Jan 06 | Jan 07 | Jan 08 | Jan 09 | Jan 10 | Jan 11 | Jan 12 | Jan 13 | Jan 14 | Jan 15 | Jan 16 | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| 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 | 0.046 | 0.025 | 0.049 | 0.043 | 0.036 | 0.057 | 0.04 | 0.039 | 0.041 | 0.046 | 0.048 | 0.037 | 0.037 | 0.051 | 0.048 | 0.034 | 0.053 | 0.038 | 0.037 | | |
| 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-137(Bq/cm³)

| Sampling Location | Dec 29 | Dec 30 | Dec 31 | Jan 01 | Jan 02 | Jan 03 | Jan 04 | Jan 05 | Jan 06 | Jan 07 | Jan 08 | Jan 09 | Jan 10 | Jan 11 | Jan 12 | Jan 13 | Jan 14 | Jan 15 | Jan 16 | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| 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 | 0.018 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| ⑥ | - | ND | - | - | - | - | - | - | ND | - | - | - | - | - | - | ND | - | - | - | | |
| ⑦ | 0.098 | 0.11 | 0.092 | 0.1 | 0.13 | 0.11 | 0.11 | 0.086 | 0.11 | 0.13 | 0.12 | 0.12 | 0.09 | 0.12 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | | |
| ⑧ | 0.021 | ND | ND | ND | ND | ND | 0.023 | ND | ND | ND | 0.027 | 0.019 | 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 | | |

* 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. 0.008Bq/cm³, Cs-134: Approx. 0.01Bq/cm³, Cs-137: Approx. 0.02Bq/cm³ (January 16, 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