

**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 27 | Oct 28 | Oct 29 | Oct 30 | Oct 31 | Nov 01 | Nov 02 | Nov 03 | Nov 04 | Nov 05 | Nov 06 | Nov 07 | Nov 08 | Nov 09 | Nov 10 | Nov 11 | Nov 12 | Nov 13 | Nov 14 | Nov 15 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ①                 | ND     |
| ②                 | ND     |
| ③                 | ND     |
| ④                 | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| ⑤                 | ND     |
| ⑥                 | -      | ND     | -      | -      | -      | -      | -      | -      | ND     | -      | -      | -      | -      | -      | -      | ND     | -      | -      | -      | -      |
| ⑦                 | ND     |
| ⑧                 | ND     |
| ⑨                 | ND     |

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

| Sampling Location | Oct 27 | Oct 28 | Oct 29 | Oct 30 | Oct 31 | Nov 01 | Nov 02 | Nov 03 | Nov 04 | Nov 05 | Nov 06 | Nov 07 | Nov 08 | Nov 09 | Nov 10 | Nov 11 | Nov 12 | Nov 13 | Nov 14 | Nov 15 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ①                 | ND     |
| ②                 | ND     |
| ③                 | ND     |
| ④                 | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| ⑤                 | 0.041  | 0.048  | 0.033  | 0.025  | 0.032  | 0.019  | ND     | 0.018  | 0.016  | 0.016  | 0.019  | 0.025  | 0.015  | 0.02   | ND     | ND     | 0.021  | ND     | 0.015  | ND     |
| ⑥                 | -      | ND     | -      | -      | -      | -      | -      | -      | ND     | -      | -      | -      | -      | -      | -      | ND     | -      | -      | -      | -      |
| ⑦                 | 0.043  | 0.032  | 0.055  | 0.046  | 0.033  | 0.042  | 0.055  | 0.041  | 0.048  | 0.044  | 0.04   | 0.051  | 0.037  | 0.054  | 0.051  | 0.037  | 0.025  | 0.053  | 0.035  | 0.043  |
| ⑧                 | 0.045  | 0.055  | 0.039  | 0.041  | 0.042  | 0.03   | 0.028  | 0.025  | 0.025  | 0.022  | 0.03   | 0.023  | 0.016  | 0.02   | 0.023  | ND     | ND     | ND     | 0.023  | ND     |
| ⑨                 | ND     |

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

| Sampling Location | Oct 27 | Oct 28 | Oct 29 | Oct 30 | Oct 31 | Nov 01 | Nov 02 | Nov 03 | Nov 04 | Nov 05 | Nov 06 | Nov 07 | Nov 08 | Nov 09 | Nov 10 | Nov 11 | Nov 12 | Nov 13 | Nov 14 | Nov 15 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ①                 | ND     |
| ②                 | ND     |
| ③                 | ND     |
| ④                 | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| ⑤                 | 0.074  | 0.076  | 0.074  | 0.052  | 0.066  | 0.044  | 0.06   | 0.058  | 0.048  | 0.053  | 0.045  | 0.04   | 0.027  | 0.044  | ND     | ND     | 0.039  | 0.037  | 0.031  | ND     |
| ⑥                 | -      | ND     | -      | -      | -      | -      | -      | -      | ND     | -      | -      | -      | -      | -      | -      | ND     | -      | -      | -      | -      |
| ⑦                 | 0.081  | 0.085  | 0.09   | 0.12   | 0.075  | 0.12   | 0.13   | 0.086  | 0.12   | 0.1    | 0.11   | 0.12   | 0.072  | 0.12   | 0.086  | 0.11   | 0.081  | 0.099  | 0.099  | 0.11   |
| ⑧                 | 0.12   | 0.11   | 0.1    | 0.091  | 0.082  | 0.073  | 0.08   | 0.063  | 0.066  | 0.052  | 0.072  | 0.051  | 0.053  | 0.043  | 0.05   | 0.046  | 0.053  | 0.047  | 0.046  | 0.035  |
| ⑨                 | 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/cm<sup>3</sup>, Cs-134: Approx.0.01Bq/cm<sup>3</sup>, Cs-137: Approx.0.02Bq/cm<sup>3</sup> (November 15, 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