

**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 | May 26 | May 27 | May 28 | May 29 | May 30 | May 31 | Jun 1 | Jun 2 | Jun 3 | Jun 4 | Jun 5 | Jun 6 | Jun 7 | Jun 8 | Jun 9 | Jun 10 | Jun 11 | Jun 12 | Jun 13 | Jun 14 |
|-------------------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 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/cm<sup>3</sup>)

| Sampling Location | May 26 | May 27 | May 28 | May 29 | May 30 | May 31 | Jun 1 | Jun 2 | Jun 3 | Jun 4 | Jun 5 | Jun 6 | Jun 7 | Jun 8 | Jun 9 | Jun 10 | Jun 11 | Jun 12 | Jun 13 | Jun 14 |
|-------------------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 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                 | 0.06   | 0.054  | 0.053  | 0.067  | 0.05   | 0.056  | 0.063 | 0.063 | 0.031 | 0.07  | 0.075 | 0.082 | 0.07  | 0.074 | 0.031 | 0.063  | 0.059  | 0.056  | 0.064  | 0.044  |
| 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-137(Bq/cm<sup>3</sup>)

| Sampling Location | May 26 | May 27 | May 28 | May 29 | May 30 | May 31 | Jun 1 | Jun 2 | Jun 3 | Jun 4 | Jun 5 | Jun 6 | Jun 7 | Jun 8 | Jun 9 | Jun 10 | Jun 11 | Jun 12 | Jun 13 | Jun 14 |
|-------------------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 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                 | 0.14   | 0.11   | 0.081  | 0.14   | 0.12   | 0.11   | 0.12  | 0.14  | 0.07  | 0.17  | 0.19  | 0.16  | 0.13  | 0.15  | 0.06  | 0.12   | 0.12   | 0.13   | 0.12   | 0.082  |
| 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     |

\* 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.0.02Bq/cm<sup>3</sup>, Cs-137: Approx.0.02Bq/cm<sup>3</sup> (June 14, 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