

**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 | After transfer |        |        |        |        |        |        |        |       |       |       |       |       |       |       |       |       |        |        |        |
|-------------------|----------------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
|                   | Mar 24         | Mar 25 | Mar 26 | Mar 27 | Mar 28 | Mar 29 | Mar 30 | Mar 31 | Apr 1 | Apr 2 | Apr 3 | Apr 4 | Apr 5 | Apr 6 | Apr 7 | Apr 8 | Apr 9 | Apr 10 | Apr 11 | Apr 12 |
| 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 |        |        |        |        |        |        |        |        |       |       |       |       |       |       |       |       |       |        |        |        |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
|                   | Mar 24 | Mar 25 | Mar 26 | Mar 27 | Mar 28 | Mar 29 | Mar 30 | Mar 31 | Apr 1 | Apr 2 | Apr 3 | Apr 4 | Apr 5 | Apr 6 | Apr 7 | Apr 8 | Apr 9 | Apr 10 | Apr 11 | Apr 12 |
| 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                 | 0.098  | 0.06   | 0.047  | 0.05   | 0.11   | 0.045  | 0.095  | 0.11   | 0.11  | 0.1   | 0.052 | 0.096 | 0.075 | 0.099 | 0.059 | 0.12  | 0.081 | 0.079  | 0.061  | 0.086  |
| ⑧                 | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND    | ND    | ND    | 0.019 | ND    | ND    | 0.032 | 0.031 | 0.018 | 0.018  | 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 |        |        |        |        |        |        |        |        |       |       |       |       |       |       |       |       |       |        |        |        |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
|                   | Mar 24 | Mar 25 | Mar 26 | Mar 27 | Mar 28 | Mar 29 | Mar 30 | Mar 31 | Apr 1 | Apr 2 | Apr 3 | Apr 4 | Apr 5 | Apr 6 | Apr 7 | Apr 8 | Apr 9 | Apr 10 | Apr 11 | Apr 12 |
| ①                 | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | ND    | 0.03  | 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                 | 0.2    | 0.13   | 0.092  | 0.091  | 0.2    | 0.077  | 0.2    | 0.22   | 0.2   | 0.2   | 0.089 | 0.2   | 0.16  | 0.21  | 0.15  | 0.28  | 0.16  | 0.17   | 0.13   | 0.17   |
| ⑧                 | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND    | ND    | ND    | 0.045 | ND    | ND    | 0.081 | 0.064 | 0.031 | 0.038  | 0.032  | 0.027  |
| 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. 0.01Bq/cm<sup>3</sup>, Cs-134: Approx.0.02Bq/cm<sup>3</sup>, Cs-137: Approx.0.02Bq/cm<sup>3</sup> (April 12, 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