

**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 | Jun 30 | Jul 1 | Jul 2 | Jul 3 | Jul 4 | Jul 5 | Jul 6 | Jul 7 | Jul 8 | Jul 9 | Jul 10 | Jul 11 | Jul 12 | Jul 13 | Jul 14 |  |  |  |  |  |  |
|-------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--|--|--|--|--|--|
| ①                 | 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     |  |  |  |  |  |  |
| ③                 | 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     |  |  |  |  |  |  |
| ⑥                 | -      | ND    | -     | -     | -     | -     | -     | -     | ND    | -     | -      | -      | -      | -      | -      |  |  |  |  |  |  |
| ⑦                 | 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     |  |  |  |  |  |  |
| ⑨                 | ND     | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |

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

| Sampling Location | Jun 30 | Jul 1 | Jul 2 | Jul 3 | Jul 4 | Jul 5 | Jul 6 | Jul 7 | Jul 8 | Jul 9 | Jul 10 | Jul 11 | Jul 12 | Jul 13 | Jul 14 |  |  |  |  |  |  |
|-------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--|--|--|--|--|--|
| ①                 | 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     |  |  |  |  |  |  |
| ③                 | 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     |  |  |  |  |  |  |
| ⑥                 | -      | ND    | -     | -     | -     | -     | -     | -     | ND    | -     | -      | -      | -      | -      | -      |  |  |  |  |  |  |
| ⑦                 | 0.087  | 0.041 | 0.086 | 0.048 | 0.051 | 0.061 | 0.024 | 0.047 | 0.051 | 0.067 | 0.06   | 0.065  | 0.049  | 0.035  | 0.045  |  |  |  |  |  |  |
| ⑧                 | 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     |  |  |  |  |  |  |

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

| Sampling Location | Jun 30 | Jul 1 | Jul 2 | Jul 3 | Jul 4 | Jul 5 | Jul 6 | Jul 7 | Jul 8 | Jul 9 | Jul 10 | Jul 11 | Jul 12 | Jul 13 | Jul 14 |  |  |  |  |  |  |
|-------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--|--|--|--|--|--|
| ①                 | 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     |  |  |  |  |  |  |
| ③                 | 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     |  |  |  |  |  |  |
| ⑥                 | -      | ND    | -     | -     | -     | -     | -     | -     | ND    | -     | -      | -      | -      | -      | -      |  |  |  |  |  |  |
| ⑦                 | 0.16   | 0.099 | 0.15  | 0.099 | 0.098 | 0.11  | 0.047 | 0.096 | 0.1   | 0.17  | 0.1    | 0.12   | 0.12   | 0.087  | 0.11   |  |  |  |  |  |  |
| ⑧                 | 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     |  |  |  |  |  |  |

\* 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> (July 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