

**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 |       |       |       |       |       |       |        |        |        |        |        |        |        |        |  |  |  |  |  |  |
|-------------------|----------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|
|                   | Feb 3          | Feb 4 | Feb 5 | Feb 6 | Feb 7 | Feb 8 | Feb 9 | Feb 10 | Feb 11 | Feb 12 | Feb 13 | Feb 14 | Feb 15 | Feb 16 | Feb 17 |  |  |  |  |  |  |
|                   | ND             | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |
|                   | ND             | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |
|                   | ND             | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |
|                   | -              | -     | -     | -     | -     | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      |  |  |  |  |  |  |
|                   | ND             | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |
|                   | -              | ND    | -     | -     | -     | -     | -     | -      | ND     | -      | -      | -      | -      | -      | -      |  |  |  |  |  |  |
|                   | ND             | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |
|                   | ND             | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |
|                   | ND             | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | 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 |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |  |  |  |  |  |  |
|-------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|
|                   | Feb 3 | Feb 4 | Feb 5 | Feb 6 | Feb 7 | Feb 8 | Feb 9 | Feb 10 | Feb 11 | Feb 12 | Feb 13 | Feb 14 | Feb 15 | Feb 16 | Feb 17 |  |  |  |  |  |  |
|                   | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |
|                   | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |
|                   | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |
|                   | -     | -     | -     | -     | -     | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      |  |  |  |  |  |  |
|                   | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |
|                   | -     | ND    | -     | -     | -     | -     | -     | -      | ND     | -      | -      | -      | -      | -      | -      |  |  |  |  |  |  |
|                   | 0.083 | 0.082 | 0.077 | 0.066 | 0.1   | 0.061 | 0.085 | 0.054  | 0.063  | 0.085  | 0.11   | 0.094  | 0.059  | 0.07   | 0.089  |  |  |  |  |  |  |
|                   | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | 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 |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |  |  |  |  |  |  |
|-------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|
|                   | Feb 3 | Feb 4 | Feb 5 | Feb 6 | Feb 7 | Feb 8 | Feb 9 | Feb 10 | Feb 11 | Feb 12 | Feb 13 | Feb 14 | Feb 15 | Feb 16 | Feb 17 |  |  |  |  |  |  |
|                   | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |
|                   | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |
|                   | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |
|                   | -     | -     | -     | -     | -     | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      |  |  |  |  |  |  |
|                   | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |  |  |  |  |  |  |
|                   | -     | ND    | -     | -     | -     | -     | -     | -      | ND     | -      | -      | -      | -      | -      | -      |  |  |  |  |  |  |
|                   | 0.18  | 0.18  | 0.14  | 0.12  | 0.17  | 0.13  | 0.18  | 0.13   | 0.12   | 0.15   | 0.18   | 0.18   | 0.087  | 0.13   | 0.15   |  |  |  |  |  |  |
|                   | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     | ND     | ND     | 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.  
 \* 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 .  
 \* Sampling at (located in the downstream of the groundwater) has been done since May 26, 2011.  
 \* Sampling at since May 30, 2011  
 \* Sampling at 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> (February 17, 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>  
 Southeast of Unit 4 Turbine Building  
 Northeast of the Process Main Building  
 Southeast of the Process Main Building  
 Southwest of the Process Main Building  
 South Part of the Miscellaneous Solid Waste Volume Reduction Treatment Building  
 Southwest Part of the On-site Bunker Building  
 West Side of the Incineration Workshop Building  
 North Part of the Miscellaneous Solid Waste Volume Reduction Treatment Building  
 Southeast Part of the On-site Bunker Building