

**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 |    |  |
|                   | 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     | 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 |        |        |        |        |        |        |        |        |       |       |       |       |       |       |       |       |       |        |        |    |  |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|----|--|
|                   | 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 |    |  |
|                   | 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    | -     | -      | -      | -  |  |
|                   | 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  |    |  |
|                   | 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     | 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 |  |
|                   | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | ND    | 0.03  | 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    | -     | -      | -      |  |
|                   | 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   |  |
|                   | 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  |  |
|                   | 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> (April 11, 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