

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 |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |  |
|-------------------|----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|--|
|                   | Jul 8          | Jul 9 | Jul 10 | Jul 11 | Jul 12 | Jul 13 | Jul 14 | Jul 15 | Jul 16 | Jul 17 | Jul 18 | Jul 19 | Jul 20 | Jul 21 | Jul 22 | Jul 23 | Jul 24 | Jul 25 | Jul 26 |    |  |
|                   | ND             | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND |  |
|                   | ND             | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND |  |
|                   | ND             | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND |  |
|                   | -              | -     | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -  |  |
|                   | ND             | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND |  |
|                   | -              | ND    | -      | -      | -      | -      | -      | -      | ND     | -      | -      | -      | -      | -      | -      | ND     | -      | -      | -      | -  |  |
|                   | ND             | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND |  |
|                   | ND             | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | 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 | After transfer |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |  |
|-------------------|----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|--|
|                   | Jul 8          | Jul 9 | Jul 10 | Jul 11 | Jul 12 | Jul 13 | Jul 14 | Jul 15 | Jul 16 | Jul 17 | Jul 18 | Jul 19 | Jul 20 | Jul 21 | Jul 22 | Jul 23 | Jul 24 | Jul 25 | Jul 26 |    |  |
|                   | ND             | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND |  |
|                   | ND             | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND |  |
|                   | ND             | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | 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           | 0.31  | 0.15   | 0.16   | 0.16   | 0.13   | 0.14   | 0.14   | 0.1    | 0.13   | 0.1    | 0.11   | 0.11   | 0.11   | 0.048  | 0.13   | 0.098  | 0.11   | 0.11   |    |  |
|                   | ND             | 0.021 | ND     | ND     | 0.022  | ND     | 0.019  | ND     | 0.018  | ND     | 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 | After transfer |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |  |
|-------------------|----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--|
|                   | Jul 8          | Jul 9 | Jul 10 | Jul 11 | Jul 12 | Jul 13 | Jul 14 | Jul 15 | Jul 16 | Jul 17 | Jul 18 | Jul 19 | Jul 20 | Jul 21 | Jul 22 | Jul 23 | Jul 24 | Jul 25 | Jul 26 |       |  |
|                   | ND             | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | 0.027 |  |
|                   | ND             | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND    |  |
|                   | ND             | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND    |  |
|                   | -              | -     | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -     |  |
|                   | ND             | ND    | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND    |  |
|                   | -              | ND    | -      | -      | -      | -      | -      | -      | ND     | -      | -      | -      | -      | -      | -      | ND     | -      | -      | -      | -     |  |
|                   | 0.28           | 0.41  | 0.28   | 0.27   | 0.23   | 0.21   | 0.2    | 0.2    | 0.16   | 0.15   | 0.18   | 0.19   | 0.16   | 0.16   | 0.074  | 0.17   | 0.13   | 0.18   | 0.16   |       |  |
|                   | 0.024          | ND    | ND     | 0.024  | ND     | 0.027  | ND     | 0.031  | 0.025  | ND     | ND     | 0.035  | ND     | ND     | ND     | ND     | ND     | ND     | 0.023  |       |  |
|                   | 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> (July 26, 2012)  
 As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

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| <Place of Sampling><br>Southeast of Unit 4 Turbine Building<br>Northeast of the Process Main Building<br>Southeast of the Process Main Building<br>Southwest of the Process Main Building<br>South Part of the Miscellaneous Solid Waste Volume Reduction Treatment Building<br>Southwest Part of the On-site Bunker Building<br>West Side of the Incineration Workshop Building<br>North Part of the Miscellaneous Solid Waste Volume Reduction Treatment Building<br>Southeast Part of the On-site Bunker Building |
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