

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 | Sep 28 | Sep 29 | Sep 30 | Oct 1 | Oct 2 | Oct 3 | Oct 4 | Oct 5 | Oct 6 | Oct 7 | Oct 8 | Oct 9 | Oct 10 | Oct 11 | Oct 12 | Oct 13 | Oct 14 | Oct 15 | Oct 16 |  |  |
|-------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--|--|
| ①                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | ND     | ND     |  |  |
| ②                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | ND     | ND     |  |  |
| ③                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | ND     | ND     |  |  |
| ④                 | -      | -      | -      | -     | -     | -     | -     | -     | -     | -     | -     | -     | -      | -      | -      | -      | -      | -      | -      |  |  |
| ⑤                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | ND     | ND     |  |  |
| ⑥                 | -      | ND     | -      | -     | -     | -     | -     | -     | *1    | ND    | -     | -     | -      | -      | -      | ND     | -      | -      | -      |  |  |
| ⑦                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | ND     | ND     |  |  |
| ⑧                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | ND     | ND     |  |  |
| ⑨                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | ND     | ND     |  |  |

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

| Sampling Location | Sep 28 | Sep 29 | Sep 30 | Oct 1 | Oct 2 | Oct 3 | Oct 4 | Oct 5 | Oct 6 | Oct 7 | Oct 8 | Oct 9 | Oct 10 | Oct 11 | Oct 12 | Oct 13 | Oct 14 | Oct 15 | Oct 16 |  |  |
|-------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--|--|
| ①                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | 0.019 | ND    | ND    | 0.012  | ND     | ND     | ND     | *1     | 0.018  | ND     |  |  |
| ②                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | ND     | ND     |  |  |
| ③                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | ND     | ND     |  |  |
| ④                 | -      | -      | -      | -     | -     | -     | -     | -     | -     | -     | -     | -     | -      | -      | -      | -      | -      | -      | -      |  |  |
| ⑤                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | ND     | ND     |  |  |
| ⑥                 | -      | ND     | -      | -     | -     | -     | -     | -     | *1    | ND    | -     | -     | -      | -      | -      | -      | -      | -      | -      |  |  |
| ⑦                 | 0.015  | 0.03   | 0.021  | 0.035 | 0.028 | 0.029 | 0.035 | 0.032 | *1    | 0.015 | 0.032 | 0.03  | 0.021  | 0.037  | 0.029  | 0.049  | *1     | 0.034  | 0.016  |  |  |
| ⑧                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | 0.033 | 0.043 | 0.026 | 0.019  | 0.018  | 0.018  | 0.014  | *1     | 0.029  | 0.019  |  |  |
| ⑨                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | ND     | ND     |  |  |

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

| Sampling Location | Sep 28 | Sep 29 | Sep 30 | Oct 1 | Oct 2 | Oct 3 | Oct 4 | Oct 5 | Oct 6 | Oct 7 | Oct 8 | Oct 9 | Oct 10 | Oct 11 | Oct 12 | Oct 13 | Oct 14 | Oct 15 | Oct 16 |  |  |
|-------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--|--|
| ①                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | 0.041 | ND    | ND    | 0.044  | ND     | ND     | ND     | *1     | 0.056  | 0.027  |  |  |
| ②                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | ND     | ND     |  |  |
| ③                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | ND     | ND     |  |  |
| ④                 | -      | -      | -      | -     | -     | -     | -     | -     | -     | -     | -     | -     | -      | -      | -      | -      | -      | -      | -      |  |  |
| ⑤                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | ND     | ND     |  |  |
| ⑥                 | -      | ND     | -      | -     | -     | -     | -     | -     | *1    | ND    | -     | -     | -      | -      | -      | ND     | -      | -      | -      |  |  |
| ⑦                 | 0.063  | 0.074  | 0.064  | 0.11  | 0.1   | 0.11  | 0.12  | 0.083 | *1    | 0.061 | 0.098 | 0.1   | 0.083  | 0.11   | 0.12   | 0.11   | *1     | 0.087  | 0.065  |  |  |
| ⑧                 | ND     | 0.038  | 0.021  | 0.024 | ND    | ND    | 0.019 | ND    | *1    | 0.098 | 0.097 | 0.061 | 0.046  | 0.08   | 0.058  | 0.063  | *1     | 0.089  | 0.071  |  |  |
| ⑨                 | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | *1    | ND    | ND    | ND    | ND     | ND     | ND     | ND     | *1     | 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. 0.008Bq/cm<sup>3</sup>, Cs-134: Approx.0.01Bq/cm<sup>3</sup>, Cs-137: Approx.0.02Bq/cm<sup>3</sup>  
 (October 16, 2014)  
 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

\*1 Not sampled because of bad weather (October 6 and 14, 2014)