Sep 18, 2014

# Nuclides Analysis Result of the Sub-drain Water in the Surroundings of the Central Radioactive Waste Treatment Facility

I-131(Bq/cm$^3$)

| Sampling Location | Aug 31 | Sep 1 | Sep 2 | Sep 3 | Sep 4 | Sep 5 | Sep 6 | Sep 7 | Sep 8 | Sep 9 | Sep 10 | Sep 11 | Sep 12 | Sep 13 | Sep 14 | Sep 15 | Sep 16 | Sep 17 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ① | ND | ND | ND | 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 | ND | ND | ND | | | |
| ③ | ND | ND | ND | 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 | ND | ND | ND | | | |
| ⑥ | - | ND | - | - | - | - | - | - | ND | - | - | - | - | - | - | ND | - | - | | | |
| ⑦ | ND | ND | ND | 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 | ND | ND | ND | | | |
| ⑨ | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | |

Cs-134(Bq/cm$^3$)

| Sampling Location | Aug 31 | Sep 1 | Sep 2 | Sep 3 | Sep 4 | Sep 5 | Sep 6 | Sep 7 | Sep 8 | Sep 9 | Sep 10 | Sep 11 | Sep 12 | Sep 13 | Sep 14 | Sep 15 | Sep 16 | Sep 17 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ① | ND | ND | ND | ND | ND | ND | ND | ND | 0.02 | 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 | ND | ND | ND | | | |
| ③ | ND | ND | ND | 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 | ND | ND | ND | | | |
| ⑥ | - | ND | - | - | - | - | - | - | ND | - | - | - | - | - | - | ND | - | - | | | |
| ⑦ | 0.029 | 0.029 | 0.039 | 0.028 | 0.029 | 0.024 | 0.019 | 0.052 | 0.052 | 0.036 | 0.031 | 0.028 | 0.024 | 0.033 | 0.037 | 0.025 | 0.029 | 0.033 | | | |
| ⑧ | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.014 | ND | ND | ND | ND | ND | ND | ND | ND | | | |
| ⑨ | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | |

Cs-137(Bq/cm$^3$)

| Sampling Location | Aug 31 | Sep 1 | Sep 2 | Sep 3 | Sep 4 | Sep 5 | Sep 6 | Sep 7 | Sep 8 | Sep 9 | Sep 10 | Sep 11 | Sep 12 | Sep 13 | Sep 14 | Sep 15 | Sep 16 | Sep 17 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ① | ND | ND | 0.028 | ND | ND | ND | 0.038 | ND | 0.066 | 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 | ND | ND | ND | | | |
| ③ | ND | ND | ND | 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 | ND | ND | ND | | | |
| ⑥ | - | ND | - | - | - | - | - | - | ND | - | - | - | - | - | - | ND | - | - | | | |
| ⑦ | 0.072 | 0.067 | 0.093 | 0.083 | 0.084 | 0.077 | 0.092 | 0.12 | 0.13 | 0.072 | 0.11 | 0.093 | 0.079 | 0.081 | 0.091 | 0.091 | 0.1 | 0.085 | | | |
| ⑧ | ND | 0.025 | 0.024 | ND | ND | 0.03 | 0.023 | 0.027 | 0.032 | 0.028 | ND | ND | 0.032 | 0.021 | 0.026 | 0.022 | 0.036 | 0.022 | | | |
| ⑨ | 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.
* 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.
* Samping 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. 0.009Bq/cm$^3$, Cs-134: Approx.0.01Bq/cm$^3$, Cs-137: Approx.0.02Bq/cm$^3$
（September 17, 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