Jan 26, 2012

# Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

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

| Sampling point | After transfer | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jan 08 | Jan 09 | Jan 10 | Jan 11 | Jan 12 | Jan 13 | Jan 14 | Jan 15 | Jan 16 | Jan 17 | Jan 18 | Jan 19 | Jan 20 | Jan 21 | Jan 22 | Jan 23 | Jan 24 | Jan 25 | | | |
| 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 point | After transfer | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jan 08 | Jan 09 | Jan 10 | Jan 11 | Jan 12 | Jan 13 | Jan 14 | Jan 15 | Jan 16 | Jan 17 | Jan 18 | Jan 19 | Jan 20 | Jan 21 | Jan 22 | Jan 23 | Jan 24 | Jan 25 | | | |
| 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 | 0.021 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | |
| ⑥ | - | ND | - | - | - | - | - | - | ND | - | - | - | - | - | - | ND | - | - | | | |
| ⑦ | 0.06 | 0.15 | 0.12 | 0.11 | 0.063 | 0.089 | 0.16 | 0.11 | 0.13 | 0.093 | 0.08 | 0.065 | 0.17 | 0.049 | 0.075 | 0.16 | 0.16 | 0.076 | | | |
| ⑧ | ND | ND | ND | ND | ND | 0.024 | ND | 0.029 | ND | ND | ND | ND | ND | ND | 0.028 | 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 point | After transfer | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jan 08 | Jan 09 | Jan 10 | Jan 11 | Jan 12 | Jan 13 | Jan 14 | Jan 15 | Jan 16 | Jan 17 | Jan 18 | Jan 19 | Jan 20 | Jan 21 | Jan 22 | Jan 23 | Jan 24 | Jan 25 | | | |
| ① | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.036 | 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 | 0.11 | 0.19 | 0.16 | 0.13 | 0.083 | 0.11 | 0.2 | 0.16 | 0.16 | 0.12 | 0.12 | 0.09 | 0.2 | 0.072 | 0.11 | 0.22 | 0.17 | 0.13 | | | |
| ⑧ | 0.027 | ND | ND | 0.026 | ND | 0.032 | 0.024 | 0.036 | 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 | 0.029 | ND | ND | | | |

* Hyphen "-" indicates that neither sampling nor measurements were implemented.
* ⑥ was conducted as upstream of the groundwater once a week from April 29 since it was unable to sample at ④.
* We have been sampling at ⑦ since May 26, for it is located downstream of the groundwater.
* We have been sampling at ⑧ since May 30.
* We have been sampling at ⑨ since August 2.
* "ND" means the sampled data is below measurable limit.
I-131: approx. 0.01Bq/cm3, Cs-134: approx. 0.02Bq/cm3, Cs-137: approx. 0.03Bq/cm3 (1/25)
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

<Place of sampling>
①Southeast part of Unit 4 Turbine Building
②Northeast part of Process Main Building
③Southeast part of Process Main Building
④Southwest part of Process Main Building
⑤South part of Miscellaneous Solid Waste Volume Reduction Treatment Building
⑥Southwest part of On-site Bunker Building
⑦West part of Incineration Workshop Building
⑧North part of Miscellaneous Solid Waste Volume Reduction Treatment Building
⑨Southeast part of On-site Bunker Building