# 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 | After transfer |    |        |        |        |       |       |       |       |       |       |       |       |       |        |  |  |  |  |
|----------|----------------|----|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|--|
|          |                |    | Feb 26 | Feb 27 | Feb 28 | Mar 1 | Mar 2 | Mar 3 | Mar 4 | Mar 5 | Mar 6 | Mar 7 | Mar 8 | Mar 9 | Mar 10 |  |  |  |  |
|          | ND             | ND | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     |  |  |  |  |
|          | ND             | ND | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     |  |  |  |  |
|          | ND             | ND | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     |  |  |  |  |
|          | -              | -  | -      | -      | -      | -     | -     | -     | -     | -     | -     | -     | -     | -     | -      |  |  |  |  |
|          | ND             | ND | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     |  |  |  |  |
|          | -              | ND | -      | -      | -      | -     | -     | -     | ND    | -     | -     | -     | -     | -     | -      |  |  |  |  |
|          | ND             | ND | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     |  |  |  |  |
|          | ND             | ND | ND     | ND     | ND     | ND    | 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 | Feb 24 | Feb 25 | Feb 26 | Feb 27 | Feb 28 | Mar 1 | Mar 2 | Mar 3 | Mar 4 | Mar 5 | Mar 6 | Mar 7 | Mar 8 | Mar 9 | Mar 10 |  |  |  |   |
|          | ND     | ND     | ND     | ND     | ND     | ND    | ND    | 0.02  | ND     |  |  |  |   |
|          | ND     | ND     | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     |  |  |  |   |
|          | ND     | ND     | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     |  |  |  |   |
|          | -      | -      | -      | -      | -      | -     | -     | -     | -     | -     | -     | -     | -     | -     | -      |  |  |  | ĺ |
|          | ND     | ND     | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     |  |  |  |   |
|          | -      | ND     | -      | -      | -      | -     | -     | -     | ND    | -     | -     | -     | -     | -     | -      |  |  |  |   |
|          | 0.0818 | 0.038  | 0.082  | 0.084  | 0.095  | 0.1   | 0.085 | 0.06  | 0.057 | 0.023 | 0.13  | 0.12  | 0.075 | 0.079 | 0.093  |  |  |  |   |
|          | ND     | ND     | ND     | ND     | ND     | ND    | 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-137(Bq/cm<sup>3</sup>)

| Sampling |        |        |        |        |        |       |       |       |       |       |       |       |       |       |        |  |  |  |
|----------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|
| Location | Feb 24 | Feb 25 | Feb 26 | Feb 27 | Feb 28 | Mar 1 | Mar 2 | Mar 3 | Mar 4 | Mar 5 | Mar 6 | Mar 7 | Mar 8 | Mar 9 | Mar 10 |  |  |  |
|          | ND     | ND     | ND     | ND     | ND     | ND    | ND    | 0.049 | ND     |  |  |  |
|          | ND     | ND     | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     |  |  |  |
|          | ND     | ND     | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     |  |  |  |
|          | -      | -      | -      | -      | -      | -     | -     | -     | -     | -     | -     | -     | -     | -     | -      |  |  |  |
|          | ND     | ND     | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND    | ND     |  |  |  |
|          | -      | ND     | -      | -      | -      | -     | -     | -     | ND    | -     | -     | -     | -     | -     | -      |  |  |  |
|          | 0.14   | 0.06   | 0.16   | 0.17   | 0.17   | 0.16  | 0.17  | 0.089 | 0.11  | 0.052 | 0.23  | 0.22  | 0.15  | 0.14  | 0.15   |  |  |  |
|          | ND     | ND     | ND     | ND     | ND     | ND    | ND    | ND    | ND    | ND    | ND    | 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.
- \* Samping 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. 0.009Bq/cm<sup>3</sup>, Cs-134: Approx.0.02Bq/cm<sup>3</sup>, Cs-137: Approx.0.02Bq/cm<sup>3</sup> (March 10, 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