<Reference>
May 7, 2013
Tokyo Electric Power Company

# Underground Reservoir Nuclide Analysis Results (As of May 6, 2013)

| | | Underground Reservoir (Drain hole water) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | i | | ii | | iii | | iv | | v | | vi | | vii | |
| | | Northeast side | Southwest side | Northeast side | Southwest side | Northeast side | Southwest side | Northeast side | Southwest side | Northeast side | Southwest side | Northeast side | Southwest side | Northeast side | Southwest side |
| Sampled time | | 6:00 AM | 6:00 AM | 6:05 AM | 6:05 AM | 6:10 AM | 6:10 AM | 6:15 AM | 6:15 AM | 6:20 AM | 6:20 AM | 6:25 AM | 6:25 AM | 6:30 AM | 6:30 AM |
| Chloride concentration (ppm) | | 9 | 7 | 8 | 7 | 8 | 5 | 9 | 8 | 7 | 8 | 10 | 8 | 6 | 7 |
| Radioactive concentration (Bq/cm$^3$) | I-131 | <2.6E-2 | <2.4E-2 | <2.7E-2 | <2.5E-2 | <2.4E-2 | <2.5E-2 | <2.0E-2 | <2.8E-2 | <2.1E-2 | <2.7E-2 | <2.8E-2 | <2.6E-2 | <2.1E-2 | <2.5E-2 |
| | Cs-134 | <5.0E-2 | <5.2E-2 | <4.9E-2 | <4.7E-2 | <5.4E-2 | <4.8E-2 | <5.6E-2 | <5.6E-2 | <5.0E-2 | <4.7E-2 | <4.9E-2 | <5.3E-2 | <4.8E-2 | <4.6E-2 |
| | Cs-137 | <6.7E-2 | <6.7E-2 | <6.7E-2 | <6.9E-2 | <6.9E-2 | <6.5E-2 | <6.6E-2 | <7.1E-2 | <6.6E-2 | <6.8E-2 | <6.7E-2 | <6.4E-2 | <6.9E-2 | <6.6E-2 |
| | γ nuclides other than the major 3 nuclides | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | All β | 3.9E+1 | <3.0E-2 | 6.2E+0 | <3.0E-2 | 6.9E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | 1.5E-1 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 |

Half-life period I-131: Approx. 8 days, Cs-134: Approx. 2 years, Cs-137: Approx. 30 years

| | | Underground Reservoir (Leakage detector hole water) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | i | | ii | | iii | | iv | | v | | vi | | vii | |
| | | Northeast side | Southwest side | Northeast side | Southwest side | Northeast side | Southwest side | Northeast side | Southwest side | Northeast side | Southwest side | Northeast side | Southwest side | Northeast side | Southwest side |
| Sampled time | | 8:05 AM | 8:10 AM | 8:15 AM | 8:20 AM | 8:25 AM | 8:30 AM | 8:40 AM | Not sampled | | | 8:45 AM | Not sampled | | |
| Chloride concentration (ppm) | | 36 | 6 | 11 | 15 | 9 | 10 | 9 | | | | 6 | | | |
| Radioactive concentration (Bq/cm$^3$) | I-131 | <4.5E-2 | <2.4E-2 | <2.2E-2 | <2.3E-2 | <2.4E-2 | <2.7E-2 | <2.1E-2 | | | | <2.1E-2 | | | |
| | Cs-134 | <7.1E-2 | <5.4E-2 | <5.0E-2 | <4.8E-2 | <4.8E-2 | <5.2E-2 | <4.8E-2 | | | | <5.6E-2 | | | |
| | Cs-137 | <7.1E-2 | <6.4E-2 | <6.7E-2 | <6.6E-2 | <6.6E-2 | <6.5E-2 | <6.9E-2 | | | | <6.7E-2 | | | |
| | γ nuclides other than the major 3 nuclides | 3.7E-1* | ND | ND | ND | ND | ND | ND | | | | ND | | | |
| | All β | 1.2E+3 | 4.1E-2 | 5.9E+1 | 1.6E-1 | 3.9E-2 | 4.6E+1 | 3.3E-2 | | | | 1.1E-1 | | | |

Half-life period I-131: Approx. 8 days, Cs-134: Approx. 2 years, Cs-137: Approx. 30 years

* Sb-125: 3.7E-1

(Note 1) O.OE±O is the same as O.O x $10^{\pm O}$.

(Note 2) The figures written next to "<" indicate the detection limit when the measurement result is below the detection limit.

(Note 3) "ND" indicates that the measurement result of γ nuclides other than the major 3 nuclides are below the detection limit.

<Reference>
May 7, 2013
Tokyo Electric Power Company

# Underground Reservoir Observation Holes Nuclide Analysis Results (As of May 6, 2013)

| | Underground reservoir observation holes (i - iii) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A12 | A13 | A14 |
| Sampled time | 8:26 AM | 8:36 AM | 8:34 AM | 8:47 AM | 9:00 AM | 9:12 AM | 9:24 AM | 9:39 AM | 8:45 AM | 8:55 AM | 9:03 AM | 9:11 AM | 9:20 AM | 9:30 AM |
| Chloride concentration (ppm) | 10 | 11 | 10 | 7 | 8 | 7 | 7 | 7 | 8 | 8 | 30 | 8 | 10 | 9 |
| All β($Bq/cm^3$) | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 |

| | Underground reservoir observation holes (i - iii) | | | | | Underground reservoir observation holes (vi) | | |
|---|---|---|---|---|---|---|---|---|
| | A15 | A16 | A17 | A18 | A19 | B1 | B2 | B3 |
| Sampled time | 9:32 AM | 8:49 AM | 8:57 AM | 9:23 AM | 9:14 AM | 8:58 AM | 9:09 AM | 9:22 AM |
| Chloride concentration (ppm) | 7 | 13 | 6 | 9 | 12 | 15 | 8 | 7 |
| All β($Bq/cm^3$) | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 |

(Note 1) O.OE±O is the same as O.O x $10^{\pm O}$.
(Note 2) The figures written next to "<" indicate the detection limit when the measurement result is below the detection limit.

<Reference>
May 7, 2013
Tokyo Electric Power Company

**Nuclide Analysis Results of the Underground Bypass (Investigation Holes/Pumping Well) and the Sea Side Observation Holes**
**(As of May 6, 2013)**

| | Underground bypass investigation holes | | | Underground bypass pumping well | | | | Sea side observation holes | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a | b | c | 1 | 2 | 3 | 4 | ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ |
| Sampled time | | | | | | | | 10:27 AM | 11:15 AM | 9:56 AM | 10:34 AM | 9:53 AM | 11:24 AM | 9:21 AM | 11:57 AM |
| Chloride concentration (ppm) | | | | | | | | 8 | 7 | 10 | 10 | 8 | 9 | 17 | 8 |
| Tritium (Bq/cm$^3$) | | | | | | | | Under analysis | Under analysis | Under analysis | Under analysis | Under analysis | Under analysis | Under analysis | Under analysis |
| All β(Bq/cm$^3$) | | | | | | | | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 | <3.0E-2 |

Half-life period Tritium: Approx. 12 years

(Note 1) O.OE±O is the same as O.O x $10^{\pm O}$.
(Note 2) The figures written next to "<" indicate the detection limit when the measurement result is below the detection limit.