

## Underground Reservoir Nuclide Analysis Results (As of June 24, 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                                       |  | 8:31 AM                                  | 8:33 AM        | 8:25 AM        | 8:27 AM        | 8:20 AM        | 8:21 AM        | 8:12 AM        | 8:19 AM        | 8:09 AM        | 8:05 AM        | 8:22 AM        | 8:13 AM        | 8:27 AM        | 8:32 AM        |
| Chloride concentration (ppm)                       |  | 13                                       | 7              | 10             | 9              | 10             | 5              | 10             | 9              | 12             | 9              | 10             | 9              | 7              | 8              |
| Radioactive concentration<br>(Bq/cm <sup>3</sup> ) | I-131                                      | <3.0E-2                                  | <2.7E-2        | <3.0E-2        | <2.2E-2        | <3.1E-2        | <2.6E-2        | <2.9E-2        | <2.6E-2        | <2.9E-2        | <2.5E-2        | <2.1E-2        | <2.3E-2        | <2.8E-2        | <2.5E-2        |
|  | Cs-134                                     | <4.9E-2                                  | <5.2E-2        | <4.7E-2        | <4.7E-2        | <5.2E-2        | <4.7E-2        | <5.0E-2        | <5.1E-2        | <5.1E-2        | <4.6E-2        | <5.3E-2        | <5.1E-2        | <4.9E-2        | <4.4E-2        |
|  | Cs-137                                     | <6.8E-2                                  | <6.5E-2        | <6.9E-2        | <6.5E-2        | <6.7E-2        | <6.5E-2        | <6.7E-2        | <6.6E-2        | <6.8E-2        | <6.8E-2        | <6.7E-2        | <6.5E-2        | <6.7E-2        | <6.4E-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                                      | 5.6E+0                                   | <3.0E-2        | 2.2E-1         | <3.0E-2        | <3.0E-2        | <3.0E-2        | <3.0E-2        | <3.0E-2        | <3.0E-2        | <3.0E-2        | 6.1E-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                                       |  | 8:03 AM   | 8:04 AM        | 8:10 AM        | 8:11 AM        | 8:14 AM        | 8:16 AM        | 8:06 AM        | Not sampled    |                |                |                | 8:18 AM        | Not sampled    |                |
| Chloride concentration (ppm)                       |  | 15  | 7              | 46             | 11             | 10             | 10             | 11             |                |                |                |                | 7              |                |                |
| Radioactive concentration<br>(Bq/cm <sup>3</sup> ) | I-131                                      | <2.9E-2   | <2.6E-2        | <4.2E-2        | <2.8E-2        | <2.9E-2        | <2.5E-2        | <2.7E-2        |                |                |                |                | <2.6E-2        |                |                |
|  | Cs-134                                     | <5.5E-2   | <5.2E-2        | <5.3E-2        | <5.2E-2        | <5.0E-2        | <4.9E-2        | <4.8E-2        |                |                |                |                | <4.6E-2        |                |                |
|  | Cs-137                                     | <6.6E-2   | <6.5E-2        | <6.8E-2        | <6.5E-2        | <6.6E-2        | <6.5E-2        | <7.1E-2        |                |                |                |                | <6.5E-2        |                |                |
|  | γ nuclides other than the major 3 nuclides | ND  | ND             | ND             | ND             | ND             | ND             | ND             |                |                |                |                | ND             |                |                |
|  | All β                                      | 2.4E+2  | <3.0E-2        | 5.4E+2         | <3.0E-2        | <3.0E-2        | 9.2E+0         | <3.0E-2        |                |                |                |                | <3.0E-2        |                |                |

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

(Note 1) 0.0E±0 is the same as 0.0 × 10<sup>±0</sup>.

(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.

### Underground Reservoir Observation Holes Nuclide Analysis Results (As of June 24, 2013)

|                              | Underground reservoir observation holes (i - iii) |         |         |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                              | A1  | A2      | A3      | A4      | A5      | A6      | A7      | A8      | A9      | A10     | A11     | A12     | A13     | A14     |
| Sampled time                 | 8:44 AM   | 8:53 AM | 9:02 AM | 8:38 AM | 8:48 AM | 8:55 AM | 9:05 AM | 9:12 AM | 9:21 AM | 9:29 AM | 9:38 AM | 9:06 AM | 9:16 AM | 9:24 AM |
| Chloride concentration (ppm) | 9   | 10      | 10      | 8       | 8       | 7       | 8       | 9       | 9       | 9       | 36      | 8       | 10      | 10      |
| All β(Bq/cm <sup>3</sup> )   | <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                 | 9:35 AM   | 9:43 AM | 9:54 AM | 8:45 AM | 8:56 AM | 9:19 AM                                      | 9:29 AM | 9:40 AM |
| Chloride concentration (ppm) | 8   | 11      | 8       | 8       | 10      | 28   | 5       | 10      |
| All β(Bq/cm <sup>3</sup> )   | <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) 0.0E±0 is the same as 0.0 x 10<sup>±0</sup>.

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

**Nuclide Analysis Results of the Underground Bypass (Investigation Holes/Pumping Well) and the Sea Side Observation Holes  
 (As of June 24, 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                  | /                                      | / | / | /                               | / | / | / | /                          | / | / | / | 9:32 AM        | 9:28 AM        | 10:03 AM       | 10:16 AM       |
| Chloride concentration (ppm)  | /                                      | / | / | /                               | / | / | / | /                          | / | / | / | 9              | 8              | 16             | 11             |
| Tritium (Bq/cm <sup>3</sup> ) | /                                      | / | / | /                               | / | / | / | /                          | / | / | / | Under analysis | Under analysis | Under analysis | Under analysis |
| All β(Bq/cm <sup>3</sup> )    | /                                      | / | / | /                               | / | / | / | /                          | / | / | / | <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<sup>±0</sup>.

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