

## Underground Reservoir Nuclide Analysis Results (As of June 19, 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                                       |  | 8:47 AM                                  | 8:53 AM        | 8:39 AM        | 8:45 AM        | 8:28 AM        | 8:40 AM        | 8:18 AM        | 8:26 AM        | 8:29 AM        | 8:24 AM        | 8:48 AM        | 8:34 AM        | 8:53 AM        | 8:58 AM        |
| Chloride concentration (ppm)                       |  | 11                                       | 7              | 10             | 10             | 10             | 5              | 11             | 9              | 10             | 8              | 10             | 10             | 7              | 9              |
| Radioactive concentration<br>(Bq/cm <sup>3</sup> ) | I-131                                      | <2.9E-2                                  | <2.8E-2        | <2.3E-2        | <2.3E-2        | <2.9E-2        | <2.6E-2        | <2.5E-2        | <2.3E-2        | <3.0E-2        | <2.3E-2        | <1.7E-2        | <2.5E-2        | <3.0E-2        | <2.7E-2        |
|  | Cs-134                                     | <5.1E-2                                  | <5.2E-2        | <5.0E-2        | <5.2E-2        | <5.4E-2        | <5.2E-2        | <4.9E-2        | <4.9E-2        | <4.9E-2        | <5.0E-2        | <5.0E-2        | <4.9E-2        | <4.7E-2        | <4.8E-2        |
|  | Cs-137                                     | <6.6E-2                                  | <6.8E-2        | <6.6E-2        | <6.6E-2        | <6.5E-2        | <6.6E-2        | <6.7E-2        | <6.6E-2        | <6.5E-2        | <6.5E-2        | <6.5E-2        | <6.5E-2        | <6.4E-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  |  | 5.6E+0                                   | <2.8E-2        | 2.9E-1         | <2.8E-2        | <2.8E-2        | 6.1E-2         | <2.8E-2        | <2.8E-2        | <2.8E-2        | 1.0E-1         | <2.8E-2        | <2.8E-2        | <2.8E-2        | <2.8E-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                                       |  | 8:04 AM   | 8:10 AM        | 8:13 AM        | 8:16 AM        | 8:21 AM        | 8:22 AM        | 8:12 AM        | Not sampled    |                |                | 8:40 AM        | Not sampled    |                |                |
| Chloride concentration (ppm)                       |  | 18  | 5              | 31             | 10             | 9              | 10             | 9              |                |                |                | 5              |                |                |                |
| Radioactive concentration<br>(Bq/cm <sup>3</sup> ) | I-131                                      | <2.6E-2   | <2.4E-2        | <3.7E-2        | <1.7E-2        | <2.5E-2        | <2.4E-2        | <2.5E-2        |                |                |                | <2.4E-2        |                |                |                |
|  | Cs-134                                     | <5.3E-2   | <5.2E-2        | <4.9E-2        | <4.7E-2        | <5.0E-2        | <5.0E-2        | <4.6E-2        |                |                |                | <4.9E-2        |                |                |                |
|  | Cs-137                                     | <6.6E-2   | <6.5E-2        | <6.5E-2        | <6.6E-2        | <6.7E-2        | <6.5E-2        | <6.7E-2        |                |                |                | <6.4E-2        |                |                |                |
|  | γ nuclides other than the major 3 nuclides | 9.5E-2*   | ND             | ND             | ND             | ND             | ND             | ND             |                |                |                | ND             |                |                |                |
| All β  |  | 3.6E+2  | <2.8E-2        | 3.1E+2         | 9.5E-2         | 4.1E-2         | 5.8E+0         | <2.8E-2        |                |                |                | <2.8E-2        |                |                |                |

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

\* Sb-125: 9.5E-2

(Note 1) 0.OE±0 is the same as 0.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.

(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 19, 2013)

|                                   | Underground reservoir observation holes (i - iii) |         |         |         |         |         |         |         |         |         |         |         |         |         |
|-----------------------------------|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                                   | A1  | A2      | A3      | A4      | A5      | A6      | A7      | A8      | A9      | A10     | A11     | A12     | A13     | A14     |
| Sampled time                      | 8:43 AM   | 8:56 AM | 9:09 AM | 8:34 AM | 8:43 AM | 8:53 AM | 9:02 AM | 9:10 AM | 9:19 AM | 9:27 AM | 9:36 AM | 9:32 AM | 9:22 AM | 9:13 AM |
| Chloride concentration (ppm)      | 11  | 12      | 11      | 8       | 9       | 8       | 7       | 9       | 9       | 9       | 35      | 9       | 9       | 10      |
| All $\beta$ (Bq/cm <sup>3</sup> ) | <2.8E-2   | <2.8E-2 | <2.8E-2 | <2.8E-2 | <2.8E-2 | <2.8E-2 | <2.8E-2 | <2.8E-2 | <2.8E-2 | <2.8E-2 | <2.8E-2 | <2.8E-2 | <2.8E-2 | <2.8E-2 |

|                                   | Underground reservoir observation holes (i - iii) |         |         |         |         | Underground reservoir observation holes (vi) |         |          |
|-----------------------------------|---|---------|---------|---------|---------|--|---------|----------|
|                                   | A15   | A16     | A17     | A18     | A19     | B1   | B2      | B3       |
| Sampled time                      | 9:06 AM   | 8:54 AM | 8:45 AM | 9:59 AM | 9:45 AM | 9:33 AM                                      | 9:46 AM | 10:00 AM |
| Chloride concentration (ppm)      | 10  | 15      | 9       | 9       | 9       | 23   | 5       | 10       |
| All $\beta$ (Bq/cm <sup>3</sup> ) | <2.8E-2   | <2.8E-2 | <2.8E-2 | <2.8E-2 | <2.8E-2 | <2.8E-2                                      | <2.8E-2 | <2.8E-2  |

(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.