

## Underground Reservoir Nuclide Analysis Results (As of November 25, 2014 )

|  |  | 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                                       |  | 7:38 AM                                  |                | 7:48 AM        |                | 7:59 AM        | 7:51 AM        |                |                |                |                |                |                |                |                |
| Chloride concentration (ppm)                       |  | 10                                       |                | 9              |                | 9              | 4              |                |                |                |                |                |                |                |                |
| Radioactive concentration<br>(Bq/cm <sup>3</sup> ) | I-131                                      | <2.7E-2                                  |                | <2.4E-2        |                | <1.7E-2        | <2.2E-2        |                |                |                |                |                |                |                |                |
|  | Cs-134                                     | <4.2E-2                                  |                | <5.3E-2        |                | <4.0E-2        | <5.6E-2        |                |                |                |                |                |                |                |                |
|  | Cs-137                                     | <6.5E-2                                  |                | <5.6E-2        |                | <6.4E-2        | <5.5E-2        |                |                |                |                |                |                |                |                |
|  | γ nuclides other than the major 3 nuclides | ND                                       |                | ND             |                | ND             | ND             |                |                |                |                |                |                |                |                |
|  | All β                                      | 2.0E-1                                   |                | <3.0E-2        |                | 4.6E-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                                       |  | 7:35 AM   |                | 7:44 AM        |                | 8:03 AM        | 7:55 AM        |                |                |                |                |                |                |                |                |
| Chloride concentration (ppm)                       |  | 12  |                | 11             |                | 5              | 9              |                |                |                |                |                |                |                |                |
| Radioactive concentration<br>(Bq/cm <sup>3</sup> ) | I-131                                      | <2.9E-2   |                | <2.1E-2        |                | <2.6E-2        | <2.1E-2        |                |                |                |                |                |                |                |                |
|  | Cs-134                                     | <4.5E-2   |                | <5.5E-2        |                | <4.2E-2        | <3.9E-2        |                |                |                |                |                |                |                |                |
|  | Cs-137                                     | <6.3E-2   |                | <5.8E-2        |                | <6.3E-2        | <5.6E-2        |                |                |                |                |                |                |                |                |
|  | γ nuclides other than the major 3 nuclides | ND  |                | ND             |                | ND             | ND             |                |                |                |                |                |                |                |                |
|  | All β                                      | 9.6E+1  |                | 1.4E+1         |                | 4.9E+0         | 7.2E+0         |                |                |                |                |                |                |                |                |

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

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

**Nuclide Analysis Results of the Underground Bypass (Investigation Holes/Pumping Well) and the Sea Side Observation Holes  
(As of November 25, 2014 )**

|                                   | Underground bypass investigation holes |                |                | Sea side observation holes |                |                |                |   |   |   |   |
|-----------------------------------|--|----------------|----------------|----------------------------|----------------|----------------|----------------|---|---|---|---|
|                                   | a                                      | b              | c              | ①                          | ②              | ③              | ④              | ⑤ | ⑥ | ⑦ | ⑧ |
| Sampled time                      |  | 8:51 AM        | 8:30 AM        | 9:40 AM                    | 9:57 AM        | 8:00 AM        | 9:12 AM        |   |   |   |   |
| Chloride concentration (ppm)      |  | 8              | 12             | 6                          | 6              | 7              | 12             |   |   |   |   |
| All $\beta$ (Bq/cm <sup>3</sup> ) |  | <3.0E-2        | <3.0E-2        | <3.0E-2                    | <3.0E-2        | <3.0E-2        | <3.0E-2        |   |   |   |   |
| Tritium (Bq/cm <sup>3</sup> )     |  | Under analysis | Under analysis | Under analysis             | Under analysis | Under analysis | Under analysis |   |   |   |   |

Half-life period of tritium: Approx. 12 years

(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.