

## Underground Reservoir Nuclide Analysis Results (As of September 23, 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                                       |  | 6:27 AM                                  |                | 6:32 AM        |                | 6:43 AM        | 6:36 AM        |                |                |                |                |                |                |                |                |
| Chloride concentration (ppm)                       |  | 9  |                | 9              |                | 9              | 3              |                |                |                |                |                |                |                |                |
| Radioactive concentration<br>(Bq/cm <sup>3</sup> ) | I-131                                      | <2.1E-2                                  |                | <2.9E-2        |                | <2.2E-2        | <2.5E-2        |                |                |                |                |                |                |                |                |
|  | Cs-134                                     | <4.4E-2                                  |                | <4.3E-2        |                | <4.4E-2        | <4.6E-2        |                |                |                |                |                |                |                |                |
|  | Cs-137                                     | <6.5E-2                                  |                | <6.3E-2        |                | <6.4E-2        | <6.5E-2        |                |                |                |                |                |                |                |                |
|  | γ nuclides other than the major 3 nuclides | ND                                       |                | ND             |                | ND             | ND             |                |                |                |                |                |                |                |                |
|  | All β                                      | 2.5E-1                                   |                | <3.0E-2        |                | 8.6E-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                                       |  | 6:25 AM   |                | 6:20 AM        |                | 6:47 AM        | 6:40 AM        |                |                |                |                |                |                |                |                |
| Chloride concentration (ppm)                       |  | 11  |                | 10             |                | 9              | 9              |                |                |                |                |                |                |                |                |
| Radioactive concentration<br>(Bq/cm <sup>3</sup> ) | I-131                                      | <2.7E-2   |                | <1.7E-2        |                | <2.5E-2        | <2.5E-2        |                |                |                |                |                |                |                |                |
|  | Cs-134                                     | <4.8E-2   |                | <3.8E-2        |                | <4.3E-2        | <4.8E-2        |                |                |                |                |                |                |                |                |
|  | Cs-137                                     | <6.6E-2   |                | <6.5E-2        |                | <6.4E-2        | <6.5E-2        |                |                |                |                |                |                |                |                |
|  | γ nuclides other than the major 3 nuclides | ND  |                | ND             |                | ND             | ND             |                |                |                |                |                |                |                |                |
|  | All β                                      | 4.1E+1  |                | 1.9E+1         |                | 1.7E+1         | 5.1E+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 September 23, 2014)**

|                               | Underground bypass investigation holes |                |                | Sea side observation holes |                |                |                |   |   |   |   |
|-------------------------------|--|----------------|----------------|----------------------------|----------------|----------------|----------------|---|---|---|---|
|                               | a                                      | b              | c              | ①                          | ②              | ③              | ④              | ⑤ | ⑥ | ⑦ | ⑧ |
| Sampled time                  |  | 8:03 AM        | 7:46 AM        | 8:42 AM                    | 8:58 AM        | 7:16 AM        | 8:21 AM        |   |   |   |   |
| Chloride concentration (ppm)  |  | 9              | 12             | 6                          | 7              | 9              | 12             |   |   |   |   |
| Tritium (Bq/cm <sup>3</sup> ) |  | Under analysis | Under analysis | 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        | <3.0E-2        | <3.0E-2        |   |   |   |   |

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.