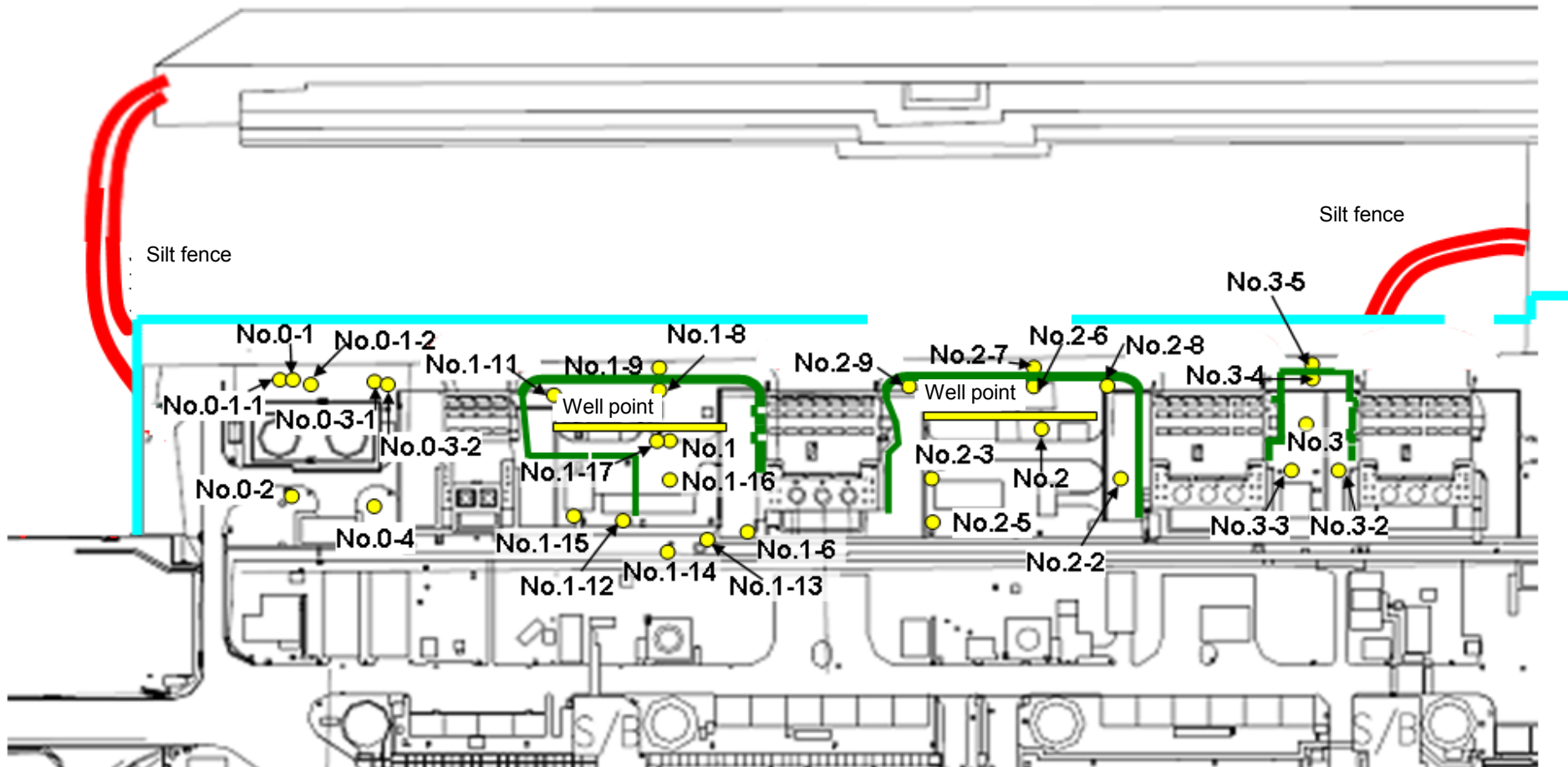


### Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)

● Sampling locations of underground water obtained at bank protection

East seawall break



— : Seaside impermeable

— : Location where ground improvement construction was completed, or being implemented (as of April 18, 2014)

## Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (1/2) Underground Water Obtained at Bank Protection

Unit: Bq/L (exclude chloride)

|                          | Underground water observation hole No.0-1 | Underground water observation hole No.0-1-2 | Underground water observation hole No.0-2 | Underground water observation hole No.0-3-1 | Underground water observation hole No.0-3-2 | Underground water observation hole No.0-4 | Underground water observation hole No.1 | Underground water observation hole No.1-6 | Underground water observation hole No.1-8 ** | Underground water observation hole No.1-9 (note) | Underground water observation hole No.1-11 ** | Underground water observation hole No.1-12 | Underground water observation hole No.1-14 | Underground water observation hole No.1-16 ** | Underground water observation hole No.1-17 |
|--------------------------|---|---|---|---|---|---|---|---|--|--|---|--|--|---|--|
| Date of sampling         |   |   |   |   |   |   |   |   |  | Nov 6  |   |  |  |   |  |
| Time of sampling         |   |   |   |   |   |   |   |   |  | 7:30 AM  |   |  |  |   |  |
| Chloride (unit: ppm)     |   |   |   |   |   |   |   |   |  | 20   |   |  |  |   |  |
| Cs-134 (Approx. 2 years) |   |   |   |   |   |   |   |   |  | —  |   |  |  |   |  |
| Cs-137 (Approx.30 years) |   |   |   |   |   |   |   |   |  | —  |   |  |  |   |  |
| The other y              |   |   |   |   |   |   |   |   |  |  |   |  |  |   |  |
|                          |   |   |   |   |   |   |   |   |  |  |   |  |  |   |  |
|                          |   |   |   |   |   |   |   |   |  |  |   |  |  |   |  |
| Gross β                  |   |   |   |   |   |   |   |   |  | ND(21)   |   |  |  |   |  |
| H-3 (Approx. 12 years)   |   |   |   |   |   |   |   |   |  | ND(100)  |   |  |  |   |  |
| Sr-90 (Approx. 29 years) |   |   |   |   |   |   |   |   |  | —  |   |  |  |   |  |

|                          | Groundwater pumped up from the well point (between Unit 1 and 2) | Underground water observation hole No.2 | Underground water observation hole No.2-2 | Underground water observation hole No.2-3 | Underground water observation hole No.2-5 (note) | Underground water observation hole No.2-6 | Underground water observation hole No.2-7 | Underground water observation hole No.2-8 | Groundwater pumped up from the well point (between Unit 2 and 3) | Underground water observation hole No.3 | Underground water observation hole No.3-2 | Underground water observation hole No.3-3 | Underground water observation hole No.3-4 | Underground water observation hole No.3-5(note) |
|--------------------------|--|---|---|---|--|---|---|---|--|---|---|---|---|---|
| Date of sampling         |  | Nov 5                                   | Nov 5                                     | Nov 5                                     |  | Nov 6                                     | Nov 7                                     | Nov 5                                     | Nov 5  | Nov 5                                   | Nov 5                                     | Nov 5                                     | Nov 5                                     | Nov 5   |
| Time of sampling         |  | 9:16 AM                                 | 10:50 AM                                  | 9:50 AM                                   |  | 9:07 AM                                   | 8:29 AM                                   | 10:27 AM                                  | 10:00 AM   | 10:00 AM                                | 11:15 AM                                  | 11:45 AM                                  | 10:20 AM                                  | 10:20 AM  |
| Chloride (unit: ppm)     |  | —                                       | —   | —   |  | —   | 700                                       | —   | —  | —                                       | —   | —   | —   | 740   |
| Cs-134 (Approx. 2 years) |  | ND(0.41)                                | 5.5                                       | ND(0.42)                                  |  | ND(0.43)                                  | 0.62                                      | ND(0.43)                                  | ND(0.41)   | —                                       | 12  | 37  | 3.4                                       | —   |
| Cs-137 (Approx.30 years) |  | ND(0.55)                                | 20  | ND(0.55)                                  |  | ND(0.56)                                  | 1.5                                       | ND(0.56)                                  | ND(0.61)   | —                                       | 46  | 140                                       | 9   | —   |
| The other y              |  |   |   |   |  |   |   |   |  |   |   |   |   |   |
|                          |  |   |   |   |  |   |   |   |  |   |   |   |   |   |
|                          |  |   |   |   |  |   |   |   |  |   |   |   |   |   |
| Gross β                  |  | 100                                     | 310                                       | 660                                       |  | 3,200                                     | 820                                       | 4,000                                     | 24,000   | ND(18)                                  | 2,500                                     | 3,900                                     | 19  | 50  |
| H-3 (Approx. 12 years)   |  | 680                                     | 450                                       | 770                                       |  | 890                                       | 680                                       | 1,300                                     | 2,700  | ND(100)                                 | 2,400                                     | 1,800                                     | ND(100)                                   | ND(100)   |
| Sr-90 (Approx. 29 years) |  | —                                       | —   | —   |  | —   | —   | —   | —  | —                                       | —   | —   | —   | —   |

\* Data announced this time is provided in a thick-frame. The other data was announced on November 6, 7 and 8, 2014.

\*\* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses, except "the other y".

\* "-" indicates that the measurement was out of range.

(Note) As of No. 1-9, 2-5, and 3-5, y was not measured because they are sampled by sampler. Gross β were measured after filtration for references.

\*y was not measured because the water was highly turbid. (Gross β were measured after filtration as references.)

## Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (2/2) Underground Water Obtained at Bank Protection

Unit: Bq/L (exclude chloride)

|                          | Underground water observation hole No.0-1 | Underground water observation hole No.0-1-2 | Underground water observation hole No.0-2 | Underground water observation hole No.0-3-1 | Underground water observation hole No.0-3-2 | Underground water observation hole No.0-4 | Underground water observation hole No.1 | Underground water observation hole No.1-6 | Underground water observation hole No.1-8 | Underground water observation hole No.1-9(note) | Underground water observation hole No.1-11 | Underground water observation hole No.1-12 | Underground water observation hole No.1-14 | Underground water observation hole No.1-16 | Underground water observation hole No.1-17 |
|--------------------------|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|
| Date of sampling         | Nov 9                                     | Nov 9                                       | Nov 9                                     | Nov 9                                       |   | Nov 9                                     |   |   |   | Nov 9   |  |  |  |  |  |
| Time of sampling         | 10:44 AM                                  | 9:57 AM                                     | 9:21 AM                                   | 9:41 AM                                     |   | 8:48 AM                                   |   |   |   | 7:22 AM   |  |  |  |  |  |
| Chloride (unit: ppm)     | —   | —   | —   | —   |   | —   |   |   |   | 19  |  |  |  |  |  |
| Cs-134 (Approx. 2 years) | 22  | ND(0.40)                                    | ND(0.43)                                  | ND(0.37)                                    |   | ND(0.37)                                  |   |   |   | —   |  |  |  |  |  |
| Cs-137 (Approx.30 years) | 58  | ND(0.52)                                    | ND(0.54)                                  | ND(0.53)                                    |   | ND(0.50)                                  |   |   |   | —   |  |  |  |  |  |
| The other $\gamma$       |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |
|                          |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |
|                          |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |
| Gross $\beta$            | 200                                       | ND(19)                                      | ND(17)                                    | ND(19)                                      |   | ND(19)                                    |   |   | ND(19)                                    |   |  |  |  |  |  |
| H-3 (Approx. 12 years)   | Under analysis                            | Under analysis                              | Under analysis                            | Under analysis                              |   | Under analysis                            |   |   |   | Under analysis                                  |  |  |  |  |  |
| Sr-90 (Approx. 29 years) | —   | —   | —   | —   |   | —   |   |   |   | —   |  |  |  |  |  |

|                          | Groundwater pumped up from the well point (between Unit 1 and 2) | Underground water observation hole No.2 | Underground water observation hole No.2-2 | Underground water observation hole No.2-3 | Underground water observation hole No.2-5(note) | Underground water observation hole No.2-6 | Underground water observation hole No.2-7 | Underground water observation hole No.2-8 | Groundwater pumped up from the well point (between Unit 2 and 3) | Underground water observation hole No.3 | Underground water observation hole No.3-2 | Underground water observation hole No.3-3 | Underground water observation hole No.3-4 | Underground water observation hole No.3-5(note) |
|--------------------------|--|---|---|---|---|---|---|---|--|---|---|---|---|---|
| Date of sampling         |  | Nov 9                                   | Nov 9                                     | Nov 9                                     |   |   | Nov 9                                     | Nov 9                                     | Nov 9  |   |   |   |   |   |
| Time of sampling         |  | 8:54 AM                                 | 10:50 AM                                  | 9:33 AM                                   |   |   | 9:59 AM                                   | 10:22 AM                                  | 9:30 AM  |   |   |   |   |   |
| Chloride (unit: ppm)     |  | —                                       | —   | —   |   |   | 660                                       | —   | —  |   |   |   |   |   |
| Cs-134 (Approx. 2 years) |  | ND(0.44)                                | 3.2                                       | ND(0.39)                                  |   |   | ND(0.44)                                  | ND(0.39)                                  | ND(0.49)   |   |   |   |   |   |
| Cs-137 (Approx.30 years) |  | ND(0.47)                                | 7.3                                       | ND(0.52)                                  |   |   | 1.1                                       | ND(0.54)                                  | ND(0.72)   |   |   |   |   |   |
| The other $\gamma$       |  |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                          |  |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                          |  |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Gross $\beta$            |  | 120                                     | 360                                       | 740                                       |   |   | 930                                       | 3,600                                     | 38,000   |   |   |   |   |   |
| H-3 (Approx. 12 years)   |  | Under analysis                          | Under analysis                            | Under analysis                            |   |   | Under analysis                            | Under analysis                            | Under analysis   |   |   |   |   |   |
| Sr-90 (Approx. 29 years) |  | —                                       | —   | —   |   |   | —   | —   | —  |   |   |   |   |   |

\* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses, except "the other  $\gamma$ "

\* "—" indicates that the measurement was out of range.

(Note) As of No. 1-9, 2-5, and 3-5,  $\gamma$  was not measured because they are sampled by sampler. Gross  $\beta$  were measured after filtration for references.

<Reference> The Highest Dose Until the Previous Measurement (Groundwater Obtained at Bank Protection)

Unit: Bq/L

|                          | Groundwater observation hole No.0-1 | Groundwater observation hole No.0-1-1 | Groundwater observation hole No.0-1-2 | Groundwater observation hole No.0-2 | Groundwater observation hole No.0-3-1 | Groundwater observation hole No.0-3-2 | Groundwater observation hole No.0-4 | Groundwater observation hole No.1 | Groundwater observation hole No.1-1 <sup>*</sup> | Groundwater observation hole No.1-2 <sup>*</sup> | Groundwater observation hole No.1-3 <sup>*</sup> | Groundwater observation hole No.1-4 <sup>*</sup> | Groundwater observation hole No.1-5 <sup>*</sup> | Groundwater observation hole No.1-6 |
|--------------------------|-------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------|-----------------------------------|--|--|--|--|--|-------------------------------------|
| Cs-134 (Approx. 2 years) | 29 <5/25>                           | ND                                    | 0.61 <3/2>                            | 0.61 [10/13]                        | 0.64 <4/6>                            | 1.3 <9/25>                            | 0.70 <6/29>                         | 13 [8/29]                         | 1.9 [7/8]  | 11,000 [7/9]                                     | 10 [9/2]   | 1.5 [7/8]  | 310 [8/5]  | 67,000 <10/17>                      |
| Cs-137 (Approx.30 years) | 78 <5/25>                           | ND                                    | 1.5 <3/2>                             | 2.2 <1/12>                          | 1.1 <4/6>                             | 5.1 <9/25>                            | 1.6 <6/29>                          | 31 [8/29]                         | 3.6 [7/8]  | 22,000 [7/9]                                     | 24 [9/2]   | 3.6 [7/8]  | 650 [8/5]  | 200,000 <10/16>                     |
| The other y              | Ru-106 (Approx. 370 days)           | ND                                    | ND                                    | ND                                  | ND                                    | ND                                    | ND                                  | 26 [5/24]                         | 7.9 [7/8]  | 160 [8/15]                                       | 17 [7/22] [8/8]                                  | 3.1 [8/8]  | ND   | ND                                  |
|                          | Mn-54 (Approx. 310 days)            | ND                                    | ND                                    | ND                                  | ND                                    | ND                                    | 0.64 <2/20>                         | ND                                | 1.0 [7/5]  | 62 [7/5]   | ND   | ND   | ND   | 700 <10/13>                         |
|                          | Co-60 (Approx. 5 years)             | ND                                    | ND                                    | ND                                  | ND                                    | ND                                    | ND                                  | 0.50 [7/19]                       | ND   | 3.1 [7/8]  | ND   | ND   | ND   | 3600 <10/13>                        |
|                          | Sb-125 (Approx. 3 years)            | ND                                    | ND                                    | ND                                  | ND                                    | ND                                    | ND                                  | 1.7 [7/11]                        | ND   | 250 [7/15]                                       | 1.4 [7/12] [8/28]                                | ND   | 12 [8/8]   | 34 <5/19>                           |
| Gross β                  | 300 [8/29] <5/18>                   | 21 [12/7]                             | 24 <6/22>                             | 87 [10/13]                          | ND                                    | 74 <10/9>                             | 44 <6/22>                           | 1,900 [5/24]                      | 4,400 [7/8]                                      | 9,300,000 [7/8]                                  | 160,000 [8/12] [8/15]                            | 380 [8/19]                                       | 56,000 [8/5]                                     | 7,800,000 <10/13>                   |
| H-3 (Approx. 12 years)   | 45,000 [8/29]                       | 18,000 [12/7]                         | 74,000 [12/15] <1/19>                 | 6,800 <2/16>                        | ND                                    | 76,000 <2/6>                          | 56,000 <2/23>                       | 500,000 [5/24] [6/7]              | 630,000 [7/8]                                    | 430,000 [9/16]                                   | 290,000 [7/12]                                   | 98,000 [7/11]                                    | 72,000 [8/15]                                    | 110,000 <sup>*2</sup> <2/6>         |
| Sr-90(Approx. 29 years)  | 140 [8/8]                           | 7.9 [12/7]                            | 2.6 [11/10]                           | 0.73 [9/2]                          | 1.5 [11/20]                           | 2.3 [12/6]                            | ND(0.83) [10/27]                    | 1,300 [8/22]                      | 2,300 [6/28]                                     | 5,000,000 [7/5]                                  | 130,000 [8/8]                                    | 200 [7/8]  | 5,100 [8/22]                                     | 1,100,000 <8/4>                     |

Unit: Bq/L

|                          | Groundwater observation hole No.1-8 | Groundwater observation hole No.1-9 | Groundwater observation hole No.1-10 | Groundwater observation hole No.1-11 | Groundwater observation hole No.1-12 | Groundwater observation hole No.1-13 | Groundwater observation hole No.1-14 | Groundwater observation hole No.1-15 | Groundwater observation hole No.1-16 | Groundwater observation hole No.1-17 | Groundwater pumped up from the well point (between Unit 1 and 2) | Groundwater observation hole No.2 | Groundwater observation hole No.2-1 <sup>*</sup> | Groundwater observation hole No.2-2 |
|--------------------------|-------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--|-----------------------------------|--|-------------------------------------|
| Cs-134 (Approx. 2 years) | 47 [11/25]                          | 170 [9/3]                           | -                                    | 1.1 <1/13>                           | 74 [10/21]                           | 37,000 <2/13>                        | 130 <10/18>                          | ND                                   | 30 <7/28>                            | 1.4 <7/7>                            | 110 [9/23]   | 0.88 <2/26>                       | 0.66 [9/1]                                       | 15 <2/12>                           |
| Cs-137 (Approx.30 years) | 110 [11/25]                         | 380 [9/3]                           | -                                    | 3.4 <4/28>                           | 170 [10/21]                          | 93,000 <2/13>                        | 390 <10/20>                          | 0.88 <7/10>                          | 86 <7/28>                            | 3.0 <9/29>                           | 250 [9/23]   | 2.5 <2/26>                        | 1.1 [8/29] [9/1]                                 | 38 <2/12>                           |
| The other y              | Ru-106 (Approx. 370 days)           | ND                                  | ND                                   | -                                    | ND                                   | 5.4 [10/28]                          | ND                                   | ND                                   | 9.2 [10/28]                          | 5.5 <4/21> <5/1>                     | 25 [9/2]   | ND                                | ND   | ND                                  |
|                          | Mn-54 (Approx. 310 days)            | 12 <2/3>                            | ND                                   | -                                    | ND                                   | ND                                   | 2.1 <9/8>                            | ND                                   | 11 <8/25>                            | ND                                   | 8.5 <4/28>   | ND                                | ND   | ND                                  |
|                          | Co-60 (Approx. 5 years)             | 1.3 <2/3>                           | ND                                   | -                                    | ND                                   | 0.51 [10/24]                         | ND                                   | 0.44 <5/29>                          | ND                                   | 0.9 [11/7]                           | 0.61 [11/25]   | 0.61 <6/9>                        | ND   | ND                                  |
|                          | Sb-125 (Approx. 3 years)            | ND                                  | ND                                   | -                                    | ND                                   | 61 [10/21]                           | ND                                   | ND                                   | 24 <6/16>                            | 2.1 [11/25]                          | ND   | ND                                | ND   | ND                                  |
| Gross β                  | 59,000 <2/3>                        | 2,100 <sup>*2</sup> [11/17]         | 78 <sup>*2</sup> <1/27>              | 2,300 [12/26]                        | 1,100 <5/5>                          | 260,000 <2/12> <2/13>                | 29,000 <10/3>                        | 110 <7/10>                           | 3,100,000 <1/20> <2/3>               | 1,200,000 <10/9>                     | 1,900,000 [9/23]   | 1,700 [7/8]                       | 380 [7/29]                                       | 600 <4/16>                          |
| H-3 (Approx. 12 years)   | 33,000 <6/2>                        | 860 <sup>*2</sup> [11/14]           | 270,000 <sup>*2</sup> <1/27>         | 85,000 [9/13]                        | 440,000 [10/31]                      | 88,000 <2/12>                        | 23,000 <2/13>                        | 74,000 <7/10>                        | 43,000 [9/26]                        | 160,000 <10/13> <10/16>              | 460,000 [8/19]   | 1,000 <2/23>                      | 440 [8/26]                                       | 660 <1/8>                           |
| Sr-90(Approx. 29 years)  | 35,000 <2/17>                       | 300 [10/3]                          | -                                    | 170 <8/4>                            | 290 [10/21]                          | 160,000 <2/12>                       | 13,000 <8/4>                         | Under analysis                       | 2,700,000 <2/13>                     | 170,000 <8/4>                        | -  | 54 [5/31]                         | 5.9 [7/25]                                       | 320 [12/25]                         |

Unit: Bq/L

|                          | Groundwater observation hole No.2-3 | Groundwater observation hole No.2-5 | Groundwater observation hole No.2-6 | Groundwater observation hole No.2-7 | Groundwater observation hole No.2-8 | Groundwater observation hole No.2-9 | Groundwater pumped up from the well point (between Unit 2 and 3) | Groundwater observation hole No.3 | Groundwater observation hole No.3-1 <sup>*</sup> | Groundwater observation hole No.3-2 | Groundwater observation hole No.3-3 | Groundwater observation hole No.3-4 | Groundwater observation hole No.3-5 |
|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|-----------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Cs-134 (Approx. 2 years) | 2.2 <2/26>                          | 41 <5/7>                            | 17 <3/11>                           | 3.5 <2/23>                          | 1.3 <7/20>                          | ND                                  | 2.2 <9/7>  | 3.5 [7/25]                        | 1.2 [7/25] [8/8]                                 | 23 <8/27>                           | 180 <7/2>                           | 5.1 <7/23>                          | 100 <7/30>                          |
| Cs-137 (Approx.30 years) | 5.5 <2/26>                          | 110 <5/7>                           | 50 <3/11>                           | 9.0 <2/23>                          | 3.4 <7/20>                          | 0.58 <sup>*2</sup> <2/11>           | 5.7 <9/7>  | 5.9 [8/8]                         | 2.6 [8/1]  | 68 <9/3>                            | 500 <7/2>                           | 16 <8/27>                           | 310 <7/30>                          |
| The other y              | Ru-106 (Approx. 370 days)           | ND                                  | ND                                  | ND                                  | ND                                  | ND                                  | 6.5 <sup>*2</sup> <2/11>   | ND                                | ND   | ND                                  | ND                                  | ND                                  | -                                   |
|                          | Mn-54 (Approx. 310 days)            | 0.29 [12/6]                         | 0.95 <6/4>                          | ND                                  | ND                                  | ND                                  | ND   | ND                                | ND   | ND                                  | ND                                  | 0.54 [10/30]                        | -                                   |
|                          | Co-60 (Approx. 5 years)             | ND                                  | ND                                  | ND                                  | ND                                  | ND                                  | ND   | ND                                | ND   | ND                                  | ND                                  | ND                                  | -                                   |
|                          | Sb-125 (Approx. 3 years)            | ND                                  | 74 <5/7>                            | ND                                  | ND                                  | ND                                  | ND   | ND                                | 1.6 <1/1>  | ND                                  | ND                                  | ND                                  | -                                   |
| Gross β                  | 1,500 [12/6] <1/8>                  | 150,000 <2/12>                      | 3,200 [12/5]                        | 1,300 <6/20>                        | 5,800 <7/23>                        | 1,700 <2/7>                         | 240,000 [12/12]  | 1,400 [7/11]                      | 180 [8/1]  | 3,100 <8/20> <8/28>                 | 8,900 <7/2>                         | 46 <8/13>                           | 510 <7/16>                          |
| H-3 (Approx. 12 years)   | 1,700 [12/6]                        | 7,900 <4/9>                         | 1,900 <8/10>                        | 1,100 <1/19>                        | 1,700 <4/6> <8/6> <8/13>            | 13,000 <sup>*2</sup> <2/7> <2/11>   | 13,000 <10/19> <10/26> <10/29>                                   | 3,200 [Dec. 12, 2012]             | 460 [8/1]  | 3,700 <7/9>                         | 8,000 <5/7>                         | 170 [9/18]                          | 170 <1/8>                           |
| Sr-90(Approx. 29 years)  | 1,200 [12/6]                        | 34,000 <5/7>                        | Under analysis                      | ND(1.4) [11/21]                     | 3,900 <3/30>                        | 1,200 <sup>*2</sup> <2/11>          | -  | 8.3 [Dec. 12, 2012]               | 4.4 [7/23]                                       | 2000 <4/18>                         | 3,600 <4/30>                        | ND                                  | 200 <5/28>                          |

● Since some samples are still under analysis, the highest dose of the Strontium-90 is among those previously announced.

\*1 Analysis result of pumped water.

\*2 The results are for a reference, since the water was highly turbid. (γ and Gross β were measured after filtration.)

\* "ND" indicates that the measurement result is below the detection limit.

\* Date of sampling is provided in parentheses. ( ) : 2013, < > : 2014

\* \*\*\* is provided next to the name of the holes where the sampling could not be performed due to the chemical injection of ground improvement.

(Note) As of No. 1-9, 2-5, and 3-5, since September 17, γ was not measured because they are sampled by sampler. Gross β were measured after filtration for references.