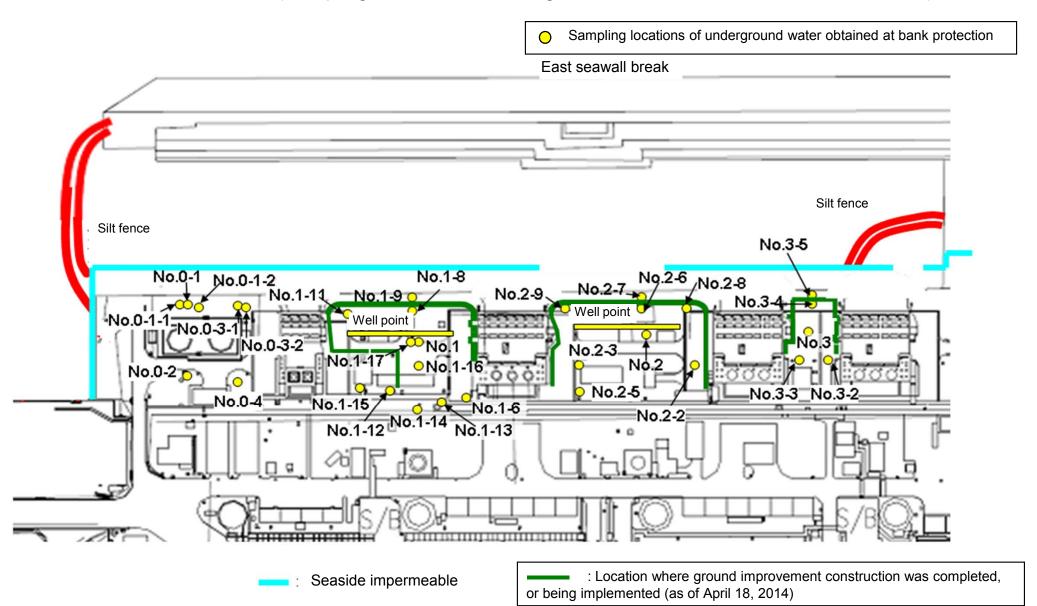
Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)



## Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (1/3) Underground Water Obtained at Bank Protection

Unit: Bq/L (exclude chloride)

|         |                           | Underground<br>water observation<br>hole No.0-1 | Underground<br>water observation<br>hole No.0-1-2 | Underground<br>water observation<br>hole No.0-2 | Underground<br>water observation<br>hole No.0-3-1 | Underground<br>water observation<br>hole No.0-3-2 | Underground<br>water observation<br>hole No.0-4 | Underground water observation hole No.1 | Underground<br>water observation<br>hole No.1-6 | Underground water observation hole No.1-8 | Underground<br>water observation<br>hole No.1-9 | Underground<br>water observation<br>hole No.1-11 | Underground<br>water observation<br>hole No.1-12 | Underground<br>water observation<br>hole No.1-14 | Underground<br>water observation<br>hole No.1-16 | Underground<br>water observation<br>hole No.1-17 |
|---------|---------------------------|-------------------------------------------------|---------------------------------------------------|-------------------------------------------------|---------------------------------------------------|---------------------------------------------------|-------------------------------------------------|-----------------------------------------|-------------------------------------------------|-------------------------------------------|-------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
|         | Date of sampling          | Aug 31, 2014                                    | 41,882                                            | Aug 31, 2014                                    | Aug 31, 2014                                      | Sep 1, 2014                                       | Aug 31, 2014                                    | Sep 1, 2014                             | Sep 1, 2014                                     | Sep 1, 2014                               | Sep 2, 2014                                     | Sep 1, 2014                                      | Sep 1, 2014                                      | Sep 1, 2014                                      | Sep 1, 2014                                      | Sep 1, 2014                                      |
|         | Time of sampling          | 11:20 AM                                        | 10:32 AM                                          | 9:55 AM                                         | 10:15 AM                                          | 9:30 AM                                           | 9:15 AM                                         | 9:52 AM                                 | 10:16 AM                                        | 10:13 AM                                  | 6:50 AM                                         | 9:33 AM                                          | 9:46 AM                                          | 9:41 AM                                          | 10:12 AM                                         | 9:15 AM                                          |
|         | Chloride (unit: ppm)      | -                                               | -                                                 | -                                               | -                                                 | -                                                 | -                                               | -                                       | -                                               | -                                         | 22                                              | -                                                | -                                                | -                                                | -                                                | -                                                |
| С       | s-134 (Approx. 2 years)   | 21                                              | ND(0.35)                                          | ND(0.41)                                        | ND(0.41)                                          | ND(0.35)                                          | ND(0.42)                                        | ND(0.35)                                | 9,600                                           | 11                                        | 5.1                                             | 0.41                                             | 3.2                                              | 53                                               | 1.7                                              | ND(0.83)                                         |
| С       | s-137 (Approx.30 years)   | 62                                              | ND(0.49)                                          | ND(0.47)                                        | ND(0.56)                                          | ND(0.52)                                          | 0.65                                            | ND(0.49)                                | 28,000                                          | 27                                        | 16                                              | 1.3                                              | 9.1                                              | 160                                              | 4.80                                             | ND(1.3)                                          |
|         | Mn-54 (Approx. 310 days)  | ND                                              | ND                                                | ND                                              | ND                                                | ND                                                | ND                                              | ND                                      | 120                                             | ND                                        | ND                                              | ND                                               | ND                                               | ND                                               | 6.3                                              | ND                                               |
| The     | Co-60 (Approx. 5 years)   | ND                                              | ND                                                | ND                                              | ND                                                | ND                                                | ND                                              | ND                                      | 550                                             | ND                                        | ND                                              | ND                                               | ND                                               | ND                                               | ND                                               | ND                                               |
| other y | Ru-106 (Approx. 370 days) | ND                                              | ND                                                | ND                                              | ND                                                | ND                                                | ND                                              | ND                                      | ND                                              | ND                                        | ND                                              | ND                                               | ND                                               | ND                                               | 3.7                                              | ND                                               |
|         | Sb-125 (Approx. 3 years)  |                                                 |                                                   |                                                 |                                                   |                                                   |                                                 |                                         |                                                 |                                           |                                                 |                                                  |                                                  |                                                  |                                                  |                                                  |
|         | Gross β                   | 200                                             | ND(19)                                            | ND(19)                                          | ND(19)                                            | 25                                                | ND(19)                                          | 89                                      | 900,000                                         | 7,200                                     | ND(19)                                          | 62                                               | 130                                              | 14,000                                           | 660,000                                          | 540,000                                          |
|         | H-3 (Approx. 12 years)    | 2,800                                           | 6,200                                             | 330                                             | ND(100)                                           | 13,000                                            | 770                                             | 150,000                                 | 7,800                                           | 1,900                                     | ND(110)                                         | 2,400                                            | 31,000                                           | 4,300                                            | 6,300                                            | 10,000                                           |
| S       | r-90 (Approx. 29 years)   | -                                               | -                                                 | -                                               | -                                                 | -                                                 | -                                               | Under analysis                          | Under analysis                                  | Under analysis                            | Under analysis                                  | Under analysis                                   | Under analysis                                   | Under analysis                                   | Under analysis                                   | Under analysis                                   |
|         |                           | Groundwater                                     | Hadaaaaaaa                                        | Hadananad                                       | Undersond                                         |                                                   | Hadaaaaaaa                                      | Hadanasad                               |                                                 | Groundwater                               |                                                 | Hadaaaaa                                         |                                                  |                                                  |                                                  |                                                  |

|         |                           | Groundwater<br>pumped up from<br>the well point<br>(between Unit 1<br>and 2) | Underground<br>water observation<br>hole No.2 | Underground<br>water observation<br>hole No.2-2 | Underground<br>water observation<br>hole No.2-3 | Underground<br>water observation<br>hole No.2-5 | Underground<br>water observation<br>hole No.2-6 | Underground<br>water observation<br>hole No.2-7 | Underground<br>water observation<br>hole No.2-8 | Groundwater<br>pumped up from<br>the well point<br>(between Unit 2<br>and 3) | Underground<br>water observation<br>hole No.3 | Underground<br>water observation<br>hole No.3-2 | Underground<br>water observation<br>hole No.3-3 | Underground<br>water observation<br>hole No.3-4 | Underground<br>water observation<br>hole No.3-5 |
|---------|---------------------------|------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
|         | Date of sampling          | Sep 1, 2014                                                                  | /                                             | /                                               | 1                                               | /                                               | Sep 2, 2014                                     | /                                               | /                                               | 1                                                                            | 1 /                                           | /                                               | /                                               | /                                               | /                                               |
|         | Time of sampling          | 10:00 AM                                                                     |                                               |                                                 |                                                 |                                                 | 8:44 AM                                         |                                                 |                                                 | /                                                                            |                                               |                                                 |                                                 |                                                 |                                                 |
|         | Chloride (unit: ppm)      | -                                                                            |                                               |                                                 |                                                 |                                                 | -                                               |                                                 |                                                 |                                                                              |                                               |                                                 |                                                 |                                                 |                                                 |
| С       | s-134 (Approx. 2 years)   | 5.6                                                                          |                                               |                                                 |                                                 |                                                 | ND(0.40)                                        |                                                 |                                                 |                                                                              |                                               |                                                 |                                                 |                                                 |                                                 |
| C       | s-137 (Approx.30 years)   | 13                                                                           |                                               |                                                 |                                                 |                                                 | 0.95                                            |                                                 |                                                 |                                                                              |                                               |                                                 |                                                 |                                                 |                                                 |
|         | Mn-54 (Approx. 310 days)  | 3.9                                                                          |                                               |                                                 |                                                 |                                                 | ND                                              |                                                 |                                                 |                                                                              |                                               |                                                 |                                                 |                                                 |                                                 |
| The     | Co-60 (Approx. 5 years)   | ND                                                                           |                                               |                                                 |                                                 |                                                 | ND                                              |                                                 |                                                 |                                                                              |                                               |                                                 |                                                 |                                                 |                                                 |
| other y | Ru-106 (Approx. 370 days) | ND                                                                           |                                               |                                                 |                                                 |                                                 | ND                                              |                                                 |                                                 |                                                                              |                                               |                                                 |                                                 |                                                 |                                                 |
|         | Sb-125 (Approx. 3 years)  |                                                                              |                                               |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                                              |                                               |                                                 |                                                 |                                                 |                                                 |
|         | Gross β                   | 300,000                                                                      |                                               |                                                 |                                                 |                                                 | 2,300                                           |                                                 |                                                 |                                                                              |                                               |                                                 |                                                 |                                                 |                                                 |
| I       | H-3 (Approx. 12 years)    | 48,000                                                                       |                                               | /                                               |                                                 | /                                               | 970                                             | /                                               | /                                               |                                                                              |                                               |                                                 | /                                               |                                                 |                                                 |
| S       | r-90 (Approx. 29 years)   | -                                                                            |                                               |                                                 |                                                 | /                                               | -                                               |                                                 | /                                               |                                                                              |                                               |                                                 | /                                               |                                                 | /                                               |

<sup>\*</sup> Data announced this time is provided in a thick-frame. The other data was announced on September 1, 2, and 3.

<sup>\* &</sup>quot;ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

<sup>\* &</sup>quot;-" indicates that the measurement was out of range.

#### Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (2/3) Underground Water Obtained at Bank Protection

Unit: Bq/L (exclude chloride)

|         |                          |                                                                              |                                                   |                                                 |                                                   |                                                  |                                                 |                                                 |                                                 |                                                                              |                                               |                                                 |                                                  |                                                  | Offit. Dq/                                       | L (exclude cilionae)                             |
|---------|--------------------------|------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------|---------------------------------------------------|--------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
|         |                          | Underground water observation hole No.0-1                                    | Underground<br>water observation<br>hole No.0-1-2 | Underground<br>water observation<br>hole No.0-2 | Underground<br>water observation<br>hole No.0-3-1 | Underground water observation hole No.0-3-2      | Underground<br>water observation<br>hole No.0-4 | Underground water observation hole No.1         | Underground<br>water observation<br>hole No.1-6 | Underground water observation hole No.1-8                                    | Underground water observation hole No.1-9     | Underground water observation hole No.1-11      | Underground<br>water observation<br>hole No.1-12 | Underground<br>water observation<br>hole No.1-14 | Underground<br>water observation<br>hole No.1-16 | Underground<br>water observation<br>hole No.1-17 |
|         | Date of sampling         | /                                                                            | /                                                 | /                                               | 1                                                 | Sep 4, 2014                                      | /                                               | Sep 4, 2014                                     | Sep 4, 2014                                     | /                                                                            | Sep 4, 2014                                   | Sep 4, 2014                                     | Sep 4, 2014                                      | Sep 4, 2014                                      | Sep 4, 2014                                      | Sep 4, 2014                                      |
|         | Time of sampling         |                                                                              |                                                   | /                                               | /                                                 | 9:30 AM                                          |                                                 | 10:33 AM                                        | 10:09 AM                                        |                                                                              | 7:25 AM                                       | 10:14 AM                                        | 9:38 AM                                          | 9:45 AM                                          | 9:55 AM                                          | 9:57 AM                                          |
|         | Chloride (unit: ppm)     |                                                                              |                                                   |                                                 |                                                   | -                                                |                                                 | -                                               | -                                               |                                                                              | 22                                            | -                                               | -                                                | -                                                | -                                                | -                                                |
| С       | s-134 (Approx. 2 years)  |                                                                              |                                                   |                                                 |                                                   | ND(0.39)                                         |                                                 | ND(0.46)                                        | 9,500                                           |                                                                              | 3.3                                           | 0.79                                            | 2.7                                              | 63                                               | ND(1.0)                                          | ND(1.2)                                          |
| С       | s-137 (Approx.30 years)  |                                                                              |                                                   |                                                 |                                                   | 0.64                                             |                                                 | 0.62                                            | 28,000                                          |                                                                              | 12                                            | 1.5                                             | 9.5                                              | 170                                              | 3.7                                              | 1.1                                              |
|         | Mn-54 (Approx. 310 days) |                                                                              |                                                   |                                                 |                                                   | ND                                               |                                                 | ND                                              | 110                                             |                                                                              | ND                                            | ND                                              | ND                                               | ND                                               | 5.5                                              | ND                                               |
| The     | Co-60 (Approx. 5 years)  |                                                                              |                                                   |                                                 |                                                   | ND                                               |                                                 | ND                                              | 550                                             |                                                                              | ND                                            | ND                                              | ND                                               | ND                                               | ND                                               | ND                                               |
| other y | Sb-125 (Approx. 3 years) |                                                                              |                                                   |                                                 |                                                   | ND                                               |                                                 | ND                                              | ND                                              |                                                                              | ND                                            | ND                                              | ND                                               | ND                                               | 6.0                                              | ND                                               |
|         |                          |                                                                              |                                                   |                                                 |                                                   |                                                  |                                                 |                                                 |                                                 |                                                                              |                                               |                                                 |                                                  |                                                  |                                                  |                                                  |
|         | Gross β                  |                                                                              |                                                   |                                                 |                                                   | ND(18)                                           |                                                 | 92                                              | 940,000                                         |                                                                              | 25                                            | 140                                             | 150                                              | 19,000                                           | 630,000                                          | 530,000                                          |
|         | H-3 (Approx. 12 years)   |                                                                              | /                                                 |                                                 |                                                   | Under analysis                                   |                                                 | Under analysis                                  | Under analysis                                  |                                                                              | Under analysis                                | Under analysis                                  | Under analysis                                   | Under analysis                                   | Under analysis                                   | Under analysis                                   |
| S       | r-90 (Approx. 29 years)  |                                                                              | /                                                 | /                                               | /                                                 | -                                                | /                                               | -                                               | -                                               | /                                                                            | -                                             | -                                               | -                                                | -                                                | -                                                | -                                                |
|         |                          | Groundwater<br>pumped up from<br>the well point<br>(between Unit 1<br>and 2) | Underground<br>water observation<br>hole No.2     | Underground<br>water observation<br>hole No.2-2 | Underground<br>water observation<br>hole No.2-3   | Underground<br>water observation<br>hole No.2-5* | Underground<br>water observation<br>hole No.2-6 | Underground<br>water observation<br>hole No.2-7 | Underground<br>water observation<br>hole No.2-8 | Groundwater<br>pumped up from<br>the well point<br>(between Unit 2<br>and 3) | Underground<br>water observation<br>hole No.3 | Underground<br>water observation<br>hole No.3-2 | Underground<br>water observation<br>hole No.3-3  | Underground<br>water observation<br>hole No.3-4  | Underground<br>water observation<br>hole No.3-5  |                                                  |
|         | Date of sampling         | /                                                                            | /                                                 | /                                               | /                                                 | Sep 4, 2014                                      | Sep 4, 2014                                     | /                                               | /                                               | 1                                                                            | 1                                             | 1                                               | /                                                | /                                                | /                                                |                                                  |
|         | Time of sampling         |                                                                              |                                                   |                                                 |                                                   | 9:00 AM                                          | 9:00 AM                                         |                                                 |                                                 |                                                                              |                                               |                                                 |                                                  |                                                  |                                                  |                                                  |
|         | Chloride (unit: ppm)     |                                                                              |                                                   |                                                 |                                                   | -                                                | -                                               |                                                 |                                                 |                                                                              |                                               |                                                 |                                                  |                                                  |                                                  |                                                  |
| С       | s-134 (Approx. 2 years)  |                                                                              |                                                   |                                                 |                                                   | - ※1                                             | ND(0.35)                                        |                                                 |                                                 |                                                                              |                                               |                                                 |                                                  |                                                  |                                                  |                                                  |
| С       | s-137 (Approx.30 years)  |                                                                              |                                                   |                                                 |                                                   | _ ※1                                             | ND(0.48)                                        |                                                 |                                                 |                                                                              |                                               |                                                 |                                                  |                                                  |                                                  |                                                  |
|         | Mn-54 (Approx. 310 days) |                                                                              |                                                   |                                                 |                                                   | -                                                | ND                                              |                                                 |                                                 |                                                                              |                                               |                                                 |                                                  |                                                  |                                                  |                                                  |
| The     | Co-60 (Approx. 5 years)  |                                                                              |                                                   |                                                 |                                                   | -                                                | ND                                              |                                                 |                                                 |                                                                              |                                               |                                                 |                                                  |                                                  |                                                  |                                                  |
| other y | Sb-125 (Approx. 3 years) |                                                                              |                                                   |                                                 |                                                   | -                                                | ND                                              |                                                 |                                                 |                                                                              |                                               |                                                 |                                                  |                                                  |                                                  |                                                  |
|         |                          |                                                                              |                                                   |                                                 |                                                   |                                                  |                                                 |                                                 |                                                 |                                                                              |                                               |                                                 |                                                  |                                                  |                                                  |                                                  |
|         | Gross β                  |                                                                              | I /                                               | I /                                             | I /                                               | 6,700                                            | 2,400                                           | /                                               | I /                                             | I /                                                                          | I /                                           | I /                                             | /                                                | /                                                |                                                  |                                                  |
|         |                          |                                                                              |                                                   | /                                               |                                                   |                                                  |                                                 |                                                 |                                                 | · /                                                                          |                                               |                                                 |                                                  |                                                  |                                                  |                                                  |

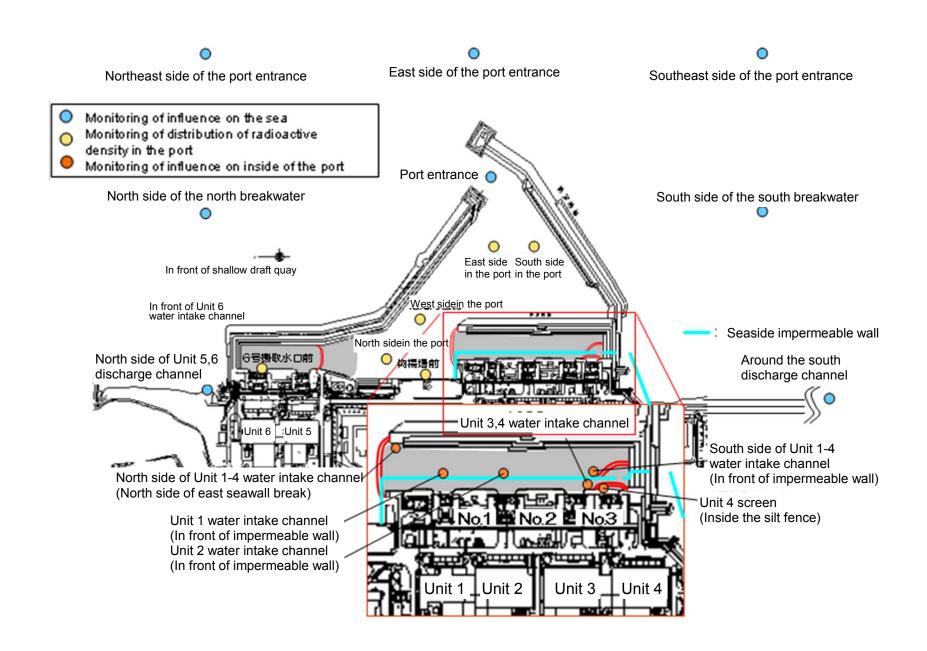
<sup>\* &</sup>quot;ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Sr-90 (Approx. 29 years)

<sup>\* &</sup>quot;-" indicates that the measurement was out of range.

<sup>\*1</sup> The highest measurement value (compared to the previous values provided in the handouts published in 'Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection') %1 Cs-134: 270Bq/L, Cs-137: 820Bq/L (undiluted liquid was measured as a reference, since the sample was highly turbid and needs long time to filtrate.)

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



### Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (3/3) Seawater

Unit: Bq/L

|                          | 1F, North side of<br>Unit 5,6<br>discharge<br>channel | 1F, In front of<br>Unit 6 water<br>intake channel | 1F, In front of<br>shallow draft<br>quay | 1F, North side of<br>Unit 1-4 water<br>intake channel<br>(north side of<br>East Seawall<br>Break) | 1F, in front of | ,           | 1F, Between the<br>water intake<br>channel of Unit<br>3 and Unit 4 | 1F, Unit 4<br>Screen<br>(Inside the Silt<br>Fence) | 1F, South side<br>of Unit 1-4 water<br>intake channel<br>(In front of<br>impermeable<br>wall) | 1F, Around the south discharge channel | Specified | WHO<br>Guidelines<br>for<br>drinking-<br>water<br>quality |
|--------------------------|-------------------------------------------------------|---------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------|-------------|--------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------|-----------|-----------------------------------------------------------|
| Date of Sampling         | Sep 1, 2014                                           | Sep 1, 2014                                       | Sep 1, 2014                              | Sep 1, 2014                                                                                       | Sep 1, 2014     | Sep 1, 2014 | Sep 1, 2014                                                        | Sep 1, 2014                                        | Sep 1, 2014                                                                                   | Sep 1, 2014                            |           |                                                           |
| Time of sampling         | 6:20 AM                                               | 6:30 AM                                           | 7:03 AM                                  | 6:40 AM                                                                                           | 6:58 AM         | 6:55 AM     | 6:51 AM                                                            | 6:45 AM                                            | 6:48 AM                                                                                       | 5:30 AM                                |           |                                                           |
| Cs-134(Approx. 2 years)  | ND(0.76)                                              | ND(1.6)                                           | ND(2.0)                                  | 7.7                                                                                               | 6.1             | 6.2         | 11                                                                 | 16                                                 | 8.1                                                                                           | ND(0.77)                               | 60        | 10                                                        |
| Cs-137(Approx.30 years)  | ND(0.67)                                              | ND(2.3)                                           | 3.8                                      | 19                                                                                                | 22              | 25          | 41                                                                 | 39                                                 | 29                                                                                            | ND(0.63)                               | 90        | 10                                                        |
| Gross β                  | 9.4                                                   | ND(21)                                            | 21                                       | 100                                                                                               | 140             | 120         | 350                                                                | 400                                                | 120                                                                                           | 12                                     |           |                                                           |
| H-3 (Approx. 12 years)   | ND(1.9)                                               | ND(3.5)                                           | 2.0                                      | 200                                                                                               | 240             | 280         | 1,300                                                              | 1,500                                              | 220                                                                                           | ND(1.9)                                | 60,000    | 10,000                                                    |
| Sr-90 (Approx. 29 years) | -                                                     | -                                                 | Under analysis                           | Under analysis                                                                                    | -               | -           | Under analysis                                                     | Under analysis                                     | -                                                                                             | -                                      | 30        | 10                                                        |

Unit: Bq/L

|                          | 1F, Port<br>entrance | 1F, East side in the port | 1F, West side in the port | 1F, North side in the port | 1F, South side in the port | North side of the<br>north<br>breakwater | Northeast side<br>of the port<br>entrance | East side of the port entrance | Southeast side of the port entrance | South side of the south breakwater | Density<br>Limit<br>Specified<br>by the<br>Reactor<br>Regulation | WHO<br>Guidelines<br>for<br>drinking-<br>water<br>quality |
|--------------------------|----------------------|---------------------------|---------------------------|----------------------------|----------------------------|------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------|------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------|
| Date of Sampling         |                      | /                         | /                         | /                          |                            |                                          |                                           |                                |                                     |                                    |                                                                  |                                                           |
| Time of sampling         |                      |                           | /                         |                            |                            |                                          |                                           |                                |                                     |                                    |                                                                  |                                                           |
| Cs-134(Approx. 2 years)  |                      |                           | /                         | /                          |                            |                                          |                                           |                                |                                     |                                    | 60                                                               | 10                                                        |
| Cs-137(Approx.30 years)  |                      |                           |                           | /                          |                            |                                          |                                           |                                |                                     |                                    | 90                                                               | 10                                                        |
| Gross β                  |                      |                           |                           |                            |                            |                                          |                                           |                                |                                     |                                    |                                                                  |                                                           |
| H-3 (Approx. 12 years)   |                      |                           | /                         |                            |                            |                                          |                                           |                                |                                     |                                    | 60,000                                                           | 10,000                                                    |
| Sr-90 (Approx. 29 years) |                      |                           | /                         | /                          | /                          | /                                        |                                           | /                              |                                     | /                                  | 30                                                               | 10                                                        |

<sup>\*</sup> Data announced this time is provided in a thick-frame. The other data was announced on September 2.

<sup>\* &</sup>quot;ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

<sup>\* &</sup>quot;-" indicates that the measurement was out of range.

<sup>\*</sup> Density Limit Specified by the Rule for the Installation, Operation, etc. of Commercial Nuclear Power Reactors (the density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2 [the amount is converted from Bq/cm³ to Bq/L]).

|       |                           | Groun<br>observa<br>No. |                  | observa | dwater<br>tion hole<br>0-1-1 | observa | dwater<br>tion hole<br>)-1-2 | Ground<br>observati<br>No. | ion hole | observa | dwater<br>tion hole<br>0-3-1 | observa | dwater<br>tion hole<br>0-3-2 | Ground<br>observat<br>No. | tion hole | Ground<br>observat<br>No | ion hole        | Groun<br>observa<br>No. | tion hole | Ground<br>observat<br>No. | ion hole | Ground<br>observati<br>No. | tion hole        |        | dwater<br>tion hole<br>1-4 <sup>*</sup> | Ground<br>observat<br>No. | ion hole | observa       | dwater<br>tion hole<br>.1-6 |
|-------|---------------------------|-------------------------|------------------|---------|------------------------------|---------|------------------------------|----------------------------|----------|---------|------------------------------|---------|------------------------------|---------------------------|-----------|--------------------------|-----------------|-------------------------|-----------|---------------------------|----------|----------------------------|------------------|--------|-----------------------------------------|---------------------------|----------|---------------|-----------------------------|
| (     | Cs-134 (Approx. 2 years)  | 29                      | <5/25>           | ND      |                              | 0.61    | <3/2>                        | 0.61                       | [10/13]  | 0.64    | <4/6>                        | 0.82    | <1/14>                       | 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]    | 12,000        | <8/12>                      |
| C     | Ss-137 (Approx.30 years)  | 78                      | <5/25>           | ND      |                              | 1.5     | <3/2>                        | 2.2                        | <1/12>   | 1.1     | <4/6>                        | 2.1     | <1/14>                       | 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]    | 34,000        | <8/12>                      |
|       | Ru-106 (Approx. 370 days) | ND                      |                  | ND      |                              | ND      |                              | ND                         |          | ND      |                              | ND      |                              | ND                        |           | 26                       | [5/24]          | 7.9                     | [7/8]     | 160                       | [8/15]   | 17                         | (7/22)<br>(8/8)  | 3.1    | [8/8]                                   | ND                        |          | ND            |                             |
| The   | Mn-54 (Approx. 310 days)  | ND                      |                  | ND      |                              | ND      |                              | ND                         |          | ND      |                              | 0.64    | <2/20>                       | ND                        |           | ND                       |                 | 1.0                     | [7/5]     | 62                        | [7/5]    | ND                         |                  | ND     |                                         | ND                        |          | 320           | <2/13><br><2/17>            |
| other | Co-60 (Approx. 5 years)   | ND                      |                  | ND      |                              | ND      |                              | ND                         |          | ND      |                              | ND      |                              | ND                        |           | 0.50                     | [7/19]          | ND                      |           | 3.1                       | [7/8]    | ND                         |                  | ND     |                                         | ND                        |          | 830           | <2/20>                      |
|       | Sb-125 (Approx. 3 years)  | ND                      |                  | ND      |                              | ND      |                              | ND                         |          | ND      |                              | ND      |                              | ND                        |           | 1.7                      | [7/11]          | ND                      |           | 250                       | [7/15]   | 1.4                        | (7/12)<br>(8/26) | ND     |                                         | 12                        | [8/8]    | 34            | <5/19>                      |
|       | Gross β                   | 300                     | [8/29]<br><5/18> | 21      | [12/7]                       | 24      | <6/22>                       | 87                         | [10/13]  | ND      |                              | 67*1    | [12/11]                      | 44                        | <6/22>    | 1,900                    | [5/24]          | 4,400                   | [7/8]     | 9,300,000                 | [7/8]    | 160,000                    | (8/12)<br>(8/15) | 380    | [8/19]                                  | 56,000                    | [8/5]    | 1,400,000     | <8/12>                      |
|       | H-3 (Approx. 12 years)    | 45,000                  | (8/29)           | 18,000  | [12/7]                       | 74,000  | [12/15]<br><1/19>            | 6,800                      | <2/16>   | ND      |                              | 76,000  | <2/6>                        | 56,000                    | <2/23>    | 500,000                  | (5/24)<br>(6/7) | 630,000                 | [7/8]     | 430,000                   | (9/16)   | 290,000                    | (7/12)           | 98,000 | (7/11)                                  | 72,000                    | (8/15)   | *2<br>110,000 |                             |
|       | 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]   | 590,000       | <2/13>                      |
|       |                           | -                       |                  | -       |                              |         |                              | -                          |          | •       |                              | -       |                              | •                         |           | •                        |                 | •                       |           | •                         |          | •                          |                  | -      |                                         |                           |          | •             | Unit: Bq/                   |

|    |       |                           | Ground<br>observat<br>No. | tion hole | Groundwater observation hole No.1-9 | Groundwater<br>observation hole<br>No.1-10 | Groundw<br>observatio<br>No.1- | n hole  | Groundwater<br>observation ho<br>No.1-12 |        | Groundwater<br>servation hole<br>No.1-13 | Groundy<br>observation<br>No.1- | on hole | Groundwa<br>observation<br>No.1-15 | hole  | Ground<br>observation<br>No.1- | on hole                   | Ground<br>observat<br>No.1 | tion hole       | Ground<br>pumped the well<br>(betweer<br>and | up from<br>I point<br>n Unit 1 | observa | dwater<br>tion hole<br>o.2 |      | ndwater<br>ation hole<br>.2-1* | observa | ndwater<br>ation hole<br>0.2-2 |
|----|-------|---------------------------|---------------------------|-----------|-------------------------------------|--------------------------------------------|--------------------------------|---------|------------------------------------------|--------|------------------------------------------|---------------------------------|---------|------------------------------------|-------|--------------------------------|---------------------------|----------------------------|-----------------|----------------------------------------------|--------------------------------|---------|----------------------------|------|--------------------------------|---------|--------------------------------|
|    | Cs-   | 134 (Approx. 2 years)     | 47                        | [11/25]   | 170 [9/3]                           | -                                          | 1.1                            | <1/13>  | 74 [10/2                                 | 1] 37, | ,000 <2/13>                              | 88 *2                           | <2/27>  | 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 [10/2                                | 1] 93, | ,000 <2/13>                              | 230 *2                          | <2/27>  | 0.88 <7                            | 7/10> | 86                             | <7/28>                    | 2.8                        | <4/28>          | 250                                          | [9/23]                         | 2.5     | <2/26>                     | 1.1  | (8/29)<br>(9/1)                | 38      | <2/12>                         |
|    |       | Ru-106 (Approx. 370 days) | ND                        |           | ND                                  | -                                          | ND                             |         | 5.4 (10/2                                | / (8   | ND                                       | ND                              |         | ND                                 |       | 9.2                            | [10/28]                   | 5.5                        | <4/21><br><5/1> | 25                                           | [9/2]                          | ND      |                            | ND   |                                | ND      |                                |
| 1  | Γhe   | Mn-54 (Approx. 310 days)  | 12                        | <2/3>     | ND                                  | =                                          | ND                             |         | ND                                       | ١      | ND                                       | 1.8                             | <8/18>  | ND                                 |       | 11                             | <8/25>                    | ND                         |                 | 8.5                                          | <4/28>                         | ND      |                            | ND   |                                | ND      |                                |
| ot | her γ | Co-60 (Approx. 5 years)   | 1.3                       | <2/3>     | ND                                  | =                                          | ND                             |         | 0.51 (10/2                               | 4) N   | ND                                       | 0.44                            | <5/29>  | ND                                 |       | 0.9                            | [11/7]                    | 0.61                       | [11/25]         | 0.61                                         | <6/9>                          | ND      |                            | ND   |                                | ND      |                                |
|    |       | Sb-125 (Approx. 3 years)  | ND                        |           | ND                                  | =                                          | ND                             |         | 61 (10/2                                 | 1) N   | ND                                       | ND                              |         | ND                                 |       | 24                             | <6/16>                    | 2.1                        | [11/25]         | ND                                           |                                | ND      |                            | ND   |                                | ND      |                                |
|    |       | Gross β                   | 59,000                    | <2/3>     | 2,100*2 [11/17]                     | 78 *2 <1/27>                               | 2,300 [                        | [12/26] | 1,100 <5/5                               | > 260  | 0,000 <2/12><br><2/13>                   | 22,000                          | <8/14>  | 110 <7                             | 7/10> |                                | <1/20><br><1/30><br><2/3> | 580,000                    | <8/28>          | 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 *2 [11/14]                      | 270,000 <1/27>                             | 85,000                         | [9/13]  | 440,000 [10/3                            | 1) 88, | ,000 <2/12>                              | 23,000                          | <2/13>  | 74,000 <7                          | 7/10> | 43,000                         | [9/26]                    | 32,000                     | <1/20>          | 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]                          | -                                          | 22                             | <1/9>   | 290 [10/2                                | 1) 160 | ),000 <2/12>                             | 900                             | <4/14>  | Under<br>analysis                  |       | 2,700,000                      | <2/13>                    | 4,000                      | <4/14>          | -                                            |                                | 54      | [5/31]                     | 5.9  | [7/25]                         | 320     | [12/25]                        |

|         |                           |         |                                |                   |                             |                   |                             |         |                               |         |                                |                            |                 |                              |                                          |         |                              |         |                               |         |                              |         |                                |         |                                |         | Unit: Bq/L                  |
|---------|---------------------------|---------|--------------------------------|-------------------|-----------------------------|-------------------|-----------------------------|---------|-------------------------------|---------|--------------------------------|----------------------------|-----------------|------------------------------|------------------------------------------|---------|------------------------------|---------|-------------------------------|---------|------------------------------|---------|--------------------------------|---------|--------------------------------|---------|-----------------------------|
|         |                           | observa | ndwater<br>ation hole<br>0.2-3 |                   | dwater<br>tion hole<br>.2-5 | observa           | dwater<br>tion hole<br>.2-6 | observa | ndwater<br>ation hole<br>.2-7 | observa | ndwater<br>ation hole<br>i.2-8 | Ground<br>observat<br>No.: | ion hole        | pumped<br>the we<br>(between | dwater I up from Il point In Unit 2 In 3 | observa | ndwater<br>ation hole<br>o.3 | observa | ndwater<br>ition hole<br>.3-1 | observa | dwater<br>ition hole<br>.3-2 | observa | ndwater<br>ation hole<br>a.3-3 | observa | ndwater<br>ation hole<br>0.3-4 | observa | dwater<br>tion hole<br>.3-5 |
| С       | s-134 (Approx. 2 years)   | 2.2     | <2/26>                         | 41                | <5/7>                       | 17                | <3/11>                      | 3.5     | <2/23>                        | 1.3     | <7/20>                         | ND                         |                 | 2.0                          | <4/23>                                   | 3.5     | [7/25]                       | 1.2     | (7/25)<br>(8/8)               | 23      | <8/27>                       | 180     | <7/2>                          | 5.1     | <7/23>                         | 100     | <7/30>                      |
| С       | s-137 (Approx.30 years)   | 5.5     | <2/26>                         | 110               | <5/7>                       | 50                | <3/11>                      | 9.0     | <2/23>                        | 3.4     | <7/20>                         | 0.58 *2                    | <2/11>          | 4.7                          | <4/23>                                   | 5.9     | [8/8]                        | 2.6     | [8/1]                         | 68      | <9/3>                        | 500     | <7/2>                          | 16      | <8/27>                         | 310     | <7/30>                      |
|         | Ru-106 (Approx. 370 days) | ND      |                                | ND                |                             | ND                |                             | ND      |                               | ND      |                                | 6.5 *2                     | <2/11>          | ND                           |                                          | ND      |                              | ND      |                               | ND      |                              | ND      |                                | ND      |                                |         |                             |
| The     | Mn-54 (Approx. 310 days)  | 0.29    | [12/6]                         | 0.95              | <6/4>                       | ND                |                             | ND      |                               | ND      |                                | ND                         |                 | ND                           |                                          | ND      |                              | ND      |                               | ND      |                              | ND      |                                | 0.54    | [10/30]                        | -       |                             |
| other y | Co-60 (Approx. 5 years)   | ND      |                                | 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      |                                | ND      |                                | -       |                             |
|         | Gross β                   | 1,500   | (12/6)<br><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><br><8/28>             | 8900    | <7/2>                          | 46      | <8/13>                         | 510     | <7/16>                      |
| ı       | 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><br><8/6><br><8/13>       | 13,000                     | <2/7><br><2/11> | 8,800                        | <8/13>                                   | 3,200   | (2012<br>12/12)              | 460     | [8/1]                         | 3,700   | <7/9>                        | 8,000   | <5/7>                          | 170     | [9/18]                         | 170     | <1/8>                       |
| 9       | r-90(Approx. 29 years)    | 1,200   | [12/6]                         | Under<br>analysis |                             | Under<br>analysis |                             | ND(1.4) | [11/21]                       | 3,900   | <3/30>                         | 1,200*2                    | <2/11>          | -                            |                                          | 8.3     | (2012<br>12/12)              | 4.4     | [7/23]                        | 2000    | <4/18>                       | 3,600   | <4/30>                         | ND      |                                | -       |                             |

<sup>•</sup> Since some samples are still under analysis, the highest dose of the Strontium-90 is among those previously announced.

<sup>\*1</sup> 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.)

<sup>\* &</sup>quot;ND" indicates that the measurement result is below the detection limit.

<sup>\*</sup> 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.

### <Reference> The Highest Dose Until the Previous Measurement\* (Seawater)

Unit: Bq/L

|                          |     | side of Unit 5,6<br>ge channel |     | ont of Unit 6<br>ake channel |     | nt of shallow<br>t quay | 4 water int<br>(north si | side of Unit 1-<br>take channel<br>de of East<br>ill Break) | discharge<br>front of im | nt of Unit 1<br>channel (in<br>permeable<br>rall) | intake char<br>and Unit | en the water<br>nnel of Unit 1<br>2 (surface<br>yer) | intake char | en the water<br>nnel of Unit 1<br>(lower layer) | discharg<br>front of it | ont of Unit 2<br>e channel (in<br>mpermeable<br>wall) | intake char | en the water<br>nnel of Unit 2<br>Unit 3 | intake char | en the water<br>nnel of Unit 3<br>Unit 4 |       | 4 Screen<br>Silt Fence) | 4 water in<br>(In front of | side of Unit 1-<br>take channel<br>impermeable<br>vall) |
|--------------------------|-----|--------------------------------|-----|------------------------------|-----|-------------------------|--------------------------|-------------------------------------------------------------|--------------------------|---------------------------------------------------|-------------------------|------------------------------------------------------|-------------|-------------------------------------------------|-------------------------|-------------------------------------------------------|-------------|------------------------------------------|-------------|------------------------------------------|-------|-------------------------|----------------------------|---------------------------------------------------------|
| Cs-134(Approx. 2 years)  | 1.8 | (6/21)                         | 2.8 | [12/2]                       | 5.3 | [8/5]                   | 32                       | [10/11]                                                     | 12                       | <6/23>                                            | 87                      | [10/10]                                              | 93          | [10/10]                                         | 7.9                     | <6/23>                                                | 52          | [12/21]                                  | 37          | <5/12>                                   | 62    | [9/16]                  | 15                         | <4/14><br><5/19>                                        |
| Cs-137(Approx.30 years)  | 4.5 | <3/17>                         | 5.8 | [12/2]                       | 8.6 | [8/5]                   | 73                       | [10/11]                                                     | 33                       | <5/12>                                            | 200                     | [10/10]                                              | 200         | [10/10]                                         | 27                      | <6/23>                                                | 110         | [10/11][1                                | 98          | <5/12>                                   | 140   | (9/16)                  | 45                         | <5/19>                                                  |
| Gross β                  | 17  | <1/6>                          | 46  | [8/19]                       | 40  | [7/3]                   | 320                      | [8/12]                                                      | 140                      | <5/5><br><7/14><br><8/18><br><9/1>                | 1,900                   | <5/20>                                               | 1,500       | <6/10>                                          | 160                     | <8/18>                                                | 1,000       | <6/2>                                    | 660         | <6/9>                                    | 610   | <6/23>                  | 380                        | <3/10>                                                  |
| H-3 (Approx. 12 years)   | 8.7 | <5/12>                         | 24  | [8/19]                       | 340 | [6/26]                  | 600                      | [8/18]                                                      | 460                      | <8/18>                                            | 4,200                   | <5/27>                                               | 3,900       | <6/10>                                          | 350                     | <8/18>                                                | 2,600       | <6/2>                                    | 2,500       | <6/23>                                   | 2,200 | <7/21>                  | 810                        | <8/4>                                                   |
| Sr-90 (Approx. 29 years) | 4.7 | [6/26]                         | -   |                              | 7.2 | [6/26]                  | 220                      | [8/19]                                                      | -                        |                                                   | 480                     | [8/22]                                               | 290         | [10/20]                                         | -                       |                                                       | 400         | <4/14>                                   | 190         | [9/23]                                   | 230   | <4/14>                  | -                          |                                                         |

Unit: Bq/L

|                          |      | nd the south<br>ge channel | 1F, Por | rt entrance | 1F, East s | ide in the port | 1F, West s | side in the port | 1F, North | side in the port | 1F, South | side in the por |     | e of the north<br>kwater |     | side of the<br>ntrance |     | of the south |     | side of the eakwater |     | e of the south<br>kwater |
|--------------------------|------|----------------------------|---------|-------------|------------|-----------------|------------|------------------|-----------|------------------|-----------|-----------------|-----|--------------------------|-----|------------------------|-----|--------------|-----|----------------------|-----|--------------------------|
| Cs-134(Approx. 2 years)  | 1.8  | <6/9>                      | 3.3     | [12/24]     | 3.3        | [10/17]         | 4.4        | [12/24]          | 5.0       | [12/2]           | 3.5       | [10/17]         | ND  |                          | ND  |                        | ND  |              | ND  |                      | ND  |                          |
| Cs-137(Approx.30 years)  | 4.9  | <6/9>                      | 7.3     | [10/11]     | 9.0        | [10/17]         | 10         | [12/24]          | 8.4       | [12/2]           | 7.8       | [10/17]         | ND  |                          | ND  |                        | 1.6 | [10/18]      | ND  |                      | ND  |                          |
| Gross β                  | 16   | <6/9><br><8/4>             | 69      | [8/19]      | 74         | [8/19]          | 60         | [7/4]            | 69        | [8/19]           | 79        | [8/19]          | ND  |                          | ND  |                        | ND  |              | ND  |                      | ND  |                          |
| H-3 (Approx. 12 years)   | 5.6  | <5/19>                     | 68      | [8/19]      | 67         | (8/19)          | 59         | [8/19]           | 52        | [8/19]           | 60        | [8/19]          | 4.7 | [8/14]                   | 1.7 | <4/23>                 | 6.4 | [10/8]       | 1.8 | <5/29>               | 2.8 | <4/23>                   |
| Sr-90 (Approx. 29 years) | 0.29 | [6/26]                     | 49      | [8/19]      | -          |                 | -          |                  | -         |                  | -         |                 | -   |                          | -   |                        | -   |              | -   |                      | -   |                          |

<sup>\*</sup> The highest result announced in "Detailed Analysis Results in the Port of Fukushima Dailchi NPS, around Discharge Channel and Bank Protection" or the other handouts is provided.

[Reference] Standard values

Unit: Bq/L

| -                                                                                                                                                                                                                                       |        |        |        |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|-------|
|                                                                                                                                                                                                                                         | Cs-134 | Cs-137 | H-3    | Sr-90 |
| Density Limit Specified by the Rule for the Installation,<br>Operation, etc. of Commercial Nuclear Power Reactors (the<br>density limit in the water outside the surrounding monitored<br>areas is provided in section 6 of Appendix 2) | 60     | 90     | 60,000 | 30    |
| WHO Guidelines for drinking-water quality                                                                                                                                                                                               | 10     | 10     | 10,000 | 10    |

As for "1F, North side of Unit 1-4 water intake channel", the data is obtained since January 14, 2013. For the other locations, the data is obtained since June 14.

<sup>•</sup> Since some samples are still under analysis, the highest dose of the Strontium-90 is among those previously announced.

<sup>\* &</sup>quot;ND" indicates that the measurement result is below the detection limit.

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

<sup>\* &</sup>quot;-" indicates that the measurement was out of range.