

Sampling Results Regarding the Water Leak at the Tanks in the H4 area in Fukushima Daiichi Nuclear Power Station (South Water Outlet, Drainage Channel)

<Reference>
January 21, 2013
Tokyo Electric Power Company

Unit: Bq/L

| | Seawater of the south water outlet ^{Note 1} (near the drainage channel exit) ^{*1} (T-2) | Junction of the drainage channels B and C ^{Note 2} (C-1) | Side ditch next to the tank (X-2) | Side ditch next to the tank (point immediately short of the junction with the drainage channel C) (X-1) | Junction of the drainage channel C and the side ditch next to the tank (C-1-1) | Sampling points of the inside of drainage channel B | | | Point near Fureai Intersection in the drainage channel B ^{Note 3} (B-0-1) | Point near the main gate in the drainage channel C ^{Note 3} (C-0) | Drainage channel C OP.35 exit (C-2) |
|-------------------------|---|---|-----------------------------------|---|--|--|-------------------------|---|--|--|-------------------------------------|
| | | | | | | Point that showed a high dose equivalent rate on August 21 (B-1) | Downstream of B-1 (B-2) | Point immediately short of the junction with the drainage channel C (B-3) | | | |
| Date of Sampling | Jan 20, 2014 | Jan 20, 2014 | Jan 20, 2014 | Jan 20, 2014 | Jan 20, 2014 | Jan 20, 2014 | Jan 20, 2014 | Jan 20, 2014 | Jan 20, 2014 | Jan 20, 2014 | Jan 20, 2014 |
| Time of sampling | 8:00 AM | 8:22 AM | 8:18 AM | 8:17 AM | 8:15 AM | *1 | *2 | *1 | 8:35 AM | 8:40 AM | 8:10 AM |
| Cs-134(Approx. 2 years) | ND(1.9) | ND(17) | 34 | 55 | ND(19) | *1 | *2 | *1 | ND(16) | ND(18) | ND(18) |
| Cs-137(Approx.30 years) | ND(1.4) | ND(22) | 44 | 100 | ND(26) | *1 | *2 | *1 | ND(24) | ND(26) | ND(26) |
| Gross β | ND(17) | ND(14) | 580 | 640 | ND(14) | *1 | *2 | *1 | 22 | ND(14) | ND(14) |

Note 1: Approx. 330m south from Unit 1-4 water outlet (T-2)

Note 2: Same sampling point as side ditch in front of the core warehouse sampled on August 19 (announced on August 20) and August 20 (announced on August 21)

Note 3: Water inflow location of drainage channel to the tank area

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

*1 The sampling could not be performed since there was no water left.

*2 The sampling could not be performed since the water was frozen.

<Reference> The Highest Dose Until the Previous Measurement

| | Seawater of the south water outlet ^{Note 1} (near the drainage channel exit) (T-2) | Junction of the drainage channels B and C ^{Note 2} (C-1) | Side ditch next to the tank (X-2) | Side ditch next to the tank (point immediately short of the junction with the drainage channel C) (X-1) |
|-------------------------|---|---|-----------------------------------|---|
| Cs-134(Approx. 2 years) | 3.5 [11/9] | 75 [9/16] | 260 [11/10] | 450 [10/4] |
| Cs-137(Approx.30 years) | 8.1 [9/15,11/9] | 132 [9/16] | 530 [11/10] | 990 [10/4] |
| Gross β | ND | 2,500 [10/24] | 15,000 [10/14] | 15,000 [10/2] |

| | Junction of the drainage channel C and the side ditch next to the tank (C-1-1) | Sampling points of the inside of drainage channel B | | |
|-------------------------|--|--|-------------------------|---|
| | | Point that showed a high dose equivalent rate on August 21 (B-1) | Downstream of B-1 (B-2) | Point immediately short of the junction with the drainage channel C (B-3) |
| Cs-134(Approx. 2 years) | 25 [10/22] | 140 [9/13] | 30 <1/9> | 300 [9/15] |
| Cs-137(Approx.30 years) | 56 [10/22] | 290 [9/13] | 60 <1/9> | 670 [9/15] |
| Gross β | 2,900 [10/24] | 15,000 [10/23] | 140,000 [10/23] | 110,000 [10/24] |

| | Point near Fureai Intersection in the drainage channel B ^{Note 3} (B-0-1) | Point near the main gate in the drainage channel C ^{Note 3} (C-0) | Drainage channel C OP.35 exit (C-2) |
|-------------------------|--|--|-------------------------------------|
| Cs-134(Approx. 2 years) | 70 [9/4] | ND | 45 [9/26] |
| Cs-137(Approx.30 years) | 190 [9/4] | 39 [9/15, 9/26] | 130 [9/26] |
| Gross β | 380 [9/2] | 75 [9/26] | 2,500 [10/24] |

Unit: Bq/L, sampling date is provided in parentheses.
[.]: 2013, <>: 2014

