<Reference>
August 27, 2013
Tokyo Electric Power Company

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

		Underground water observation hole No.0-1	Underground water observation hole No.1	Underground water observation hole No.1-2	Underground water observation hole No.1-3	Underground water observation hole No.1-4	Underground water observation hole No.1-5	Underground water observation hole No.1-8	Groundwater pumped up from the well point	Underground water observation hole No.2	Underground water observation hole No.2-1	Underground water observation hole No.3	Underground water observation hole No.3-1
Date of sampling		Aug 22, 2013	Aug 22, 2013	Aug 22, 2013	Aug 22, 2013	Aug 22, 2013	Aug 22, 2013			Aug 22, 2013	Aug 22, 2013		Aug 22, 2013
Time of sampling		9:41 AM	10:58 AM	12:33 PM	11:25 AM	10:20 AM	12:00 PM			9:25 AM	9:57 AM		11:55 AM
Cs-134 (Approx. 2 years)		ND(0.42)	ND(0.57)	150	1.0	1.0	91			ND(0.41)	ND(0.43)		0.68
Cs-137 (Approx.30 years)		0.64	0.66	360	2.3	1.8	190			0.74	ND(0.56)		1.2
The other γ	Ru-106 (Approx. 370 days)	ND	7.9	ND	12	ND	ND			ND	ND		ND
All β		300	1,500	840,000	130,000	240	6,200			270	17		55
H-3 (Approx. 12 years)		42,000	430,000	400,000	220,000	21,000	28,000			450	310		240
Sr-90 (Approx. 29 years)		-	Under analysis	-	-	-	Under analysis			-	-		-

* Data announced this time is provided in a thick-frame. The other data was announced on August 23.
* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.
* "-" 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

		Underground water observation hole No.0-1	Underground water observation hole No.1	Underground water observation hole No.1-2	Underground water observation hole No.1-3	Underground water observation hole No.1-4	Underground water observation hole No.1-5	Underground water observation hole No.1-8	Groundwater pumped up from the well point	Underground water observation hole No.2	Underground water observation hole No.2-1	Underground water observation hole No.3	Underground water observation hole No.3-1
Date of sampling			Aug 26, 2013	Aug 26, 2013	Aug 26, 2013		Aug 26, 2013	Aug 26, 2013	Aug 26, 2013	Aug 26, 2013	Aug 26, 2013		
Time of sampling			10:36 AM	12:35 PM	11:18 AM		12:00 PM	9:36 AM	10:30 AM	10:15 AM	9:45 AM		
Cs-134 (Approx. 2 years)			ND(0.47)	110	1.1		53	26	1.0	ND(0.43)	ND(0.43)		
Cs-137 (Approx.30 years)			0.84	270	2.1		110	58	2.1	0.66	ND(0.54)		
The other γ	Mn-54 (Approx. 310 days)		ND	ND	ND		ND	0.52	ND	ND	ND		
	Ru-106 (Approx. 370 days)		14	ND	5.1		ND	ND	9.7	ND	ND		
	Sb-125 (Approx. 3 years)		ND	ND	1.4		ND	ND	ND	ND	ND		
All β			1,500	760,000	61,000		3,400	1,200	5,900	86	ND(18)		
H-3 (Approx. 12 years)			Under analysis	Under analysis	Under analysis		Under analysis	Under analysis	Under analysis	Under analysis	Under analysis		
Sr-90 (Approx. 29 years)			-	-	-		-	-	-	-	-		

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

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 Unit 5,6 discharge channel	1F, In front of Unit 6 water intake channel	1F, In front of shallow draft quay	1F, North side of Unit 1-4 water intake channel	1F, North side of Unit 1-4 water intake channel (north side of East Seawall Break)	1F, Unit 1 Screen (Inside the Silt Fence)	1F, Between the water intake channel of Unit 1 and Unit 2 (surface layer)	1F, Between the water intake channel of Unit 1 and Unit 2 (lower layer)	1F, Unit 2 Screen (Inside the Silt Fence)	1F, Between the water intake channel of Unit 2 and Unit 3	1F, Unit 3 Screen (Inside the Silt Fence)
Date of Sampling	Aug 26, 2013	Aug 26, 2013	Aug 26, 2013		Aug 26, 2013	Aug 26, 2013			Aug 26, 2013	Aug 26, 2013	Aug 26, 2013
Time of sampling	6:00 AM	5:50 AM	5:48 AM		6:28 AM	5:58 AM			6:04 AM	6:08 AM	6:14 AM
Cs-134(Approx. 2 years)	ND(1.2)	ND(2.0)	ND(2.0)		ND(2.1)	23			12	8.2	14
Cs-137(Approx.30 years)	ND(1.7)	ND(2.5)	ND(2.2)		ND(2.2)	50			35	24	43
All β	ND(19)	ND(21)	28		29	530			280	280	300
H-3 (Approx. 12 years)	Under analysis	Under analysis	Under analysis		Under analysis	Under analysis			Under analysis	Under analysis	Under analysis
Sr-90 (Approx. 29 years)	-	-	-		-	-			-	-	-

Unit: Bq/L

	1F, Between the water intake channel of Unit 3 and Unit 4	1F, Unit 4 Screen (Inside the Silt Fence)	1F, Around the south discharge channel	1F, Port 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 north breakwater*	East side of the port entrance*	South side of the south breakwater*
Date of Sampling	Aug 26, 2013	Aug 26, 2013	Aug 26, 2013								
Time of sampling	6:20 AM	6:18 AM	5:20 AM								
Cs-134(Approx. 2 years)	12	13	ND(1.1)								
Cs-137(Approx.30 years)	26	34	ND(1.0)								
All β	320	270	ND(19)								
H-3 (Approx. 12 years)	Under analysis	Under analysis	Under analysis								
Sr-90 (Approx. 29 years)	-	-	-								

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

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

Unit: Bq/L

		Groundwater observation hole No.0-1		Groundwater observation hole No.1		Groundwater observation hole No.1-1		Groundwater observation hole No.1-2		Groundwater observation hole No.1-3		Groundwater observation hole No.1-4		Groundwater observation hole No.1-5		Groundwater observation hole No.1-8		Groundwater pumped up from the well point	
Cs-134 (Approx. 2 years)		0.66	(8/10)	3.2	(8/19)	1.9	(7/8)	11,000	(7/9)	ND		1.5	(7/8)	(11/5)	(8/5)	21	(8/20)	1.5	(8/19)
Cs-137 (Approx.30 years)		1.6	(8/8)	4.3	(8/19)	3.6	(7/8)	22,000	(7/9)	2.3	(8/22)	3.6	(7/8)	(10/11)	(8/5)	45	(8/20)	3.4	(8/19)
The other γ	Ru-106 (Approx. 370 days)	ND		26	(5/24)	7.9	(7/8)	160	(8/15)	17	(7/22) (8/8)	3.1	(8/8)	ND		ND		17	(8/19)
	Mn-54 (Approx. 310 days)	ND		ND		1.0	(7/5)	62	(7/5)	ND		ND		ND		ND		ND	
	Co-60 (Approx. 5 years)	ND		0.50	(7/19)	ND		3.1	(7/8)	ND		ND		ND		ND		ND	
	Sb-125 (Approx. 3 years)	ND		1.7	(7/11)	ND		250	(7/15)	1.4	(7/12)	ND		(1/12)	(8/8)	ND		ND	
All β		300	(8/22)	1,900	(5/24)	4,400	(7/8)	900,000	(7/5) (7/9)	160,000	(8/12) (8/15)	380	(8/19)	(4/26)	(8/5)	1,100	(8/20)	190000	(8/19)
H-3 (Approx. 12 years)		35,000	(8/15)	500,000	(5/24) (6/7)	630,000	(7/8)	390,000	(8/5)	290,000	(7/12)	98,000	(7/11)	(2/14)	(8/15)	950	(8/20)	460,000	(8/19)
Sr-90(Approx. 29 years)		Under analysis		1,200	(6/7)	Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		-	

Unit: Bq/L

		Groundwater observation hole No.2		Groundwater observation hole No.2-1		Groundwater observation hole No.3		Groundwater observation hole No.3-1	
Cs-134 (Approx. 2 years)		0.5	(7/9)	0.44	(8/1)	3.5	(7/25)	1.2	(7/25) (8/8)
Cs-137 (Approx.30 years)		1.2	(7/11) (8/1)	1.0	(7/29)	5.9	(8/8)	2.6	(8/1)
The other γ	Ru-106 (Approx. 370 days)	ND		ND		ND		ND	
	Mn-54 (Approx. 310 days)	ND		ND		ND		ND	
	Co-60 (Approx. 5 years)	ND		ND		ND		ND	
	Sb-125 (Approx. 3 years)	ND		ND		ND		ND	
All β		1,700	(7/8)	380	(7/29)	1,400	(7/11)	180	(8/1)
H-3 (Approx. 12 years)		850	(6/26)	290	(8/12)	3,200	(2012/12/12)	460	(8/1)
Sr-90(Approx. 29 years)		54	(5/31)	Under analysis		8.3	(2012/12/12)	Under analysis	

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

* Date of sampling is provided in parentheses.

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

Unit: Bq/L

	1F, North side of Unit 5,6 discharge channel	1F, In front of Unit 6 water intake channel	1F, In front of shallow draft quay	1F, North side of Unit 1-4 water intake channel	1F, North side of Unit 1-4 water intake channel (north side of East Seawall Break)	1F, Unit 1 Screen (Inside the Silt Fence)	1F, Between the water intake channel of Unit 1 and Unit 2 (surface layer)	1F, Between the water intake channel of Unit 1 and Unit 2 (lower layer)	1F, Unit 2 Screen (Inside the Silt Fence)	1F, Between the water intake channel of Unit 2 and Unit 3 (surface layer)	1F, Between the water intake channel of Unit 2 and Unit 3 (lower layer)	1F, Unit 3 Screen (Inside the Silt Fence)
Cs-134(Approx. 2 years)	1.8 〔6/21〕	2.4 〔8/19〕	5.3 〔8/5〕	34 〔8/13〕	16 〔8/12〕	24 /12〕〔8/1	27 〔8/11〕	9.9 〔7/23〕	26 〔8/19〕	21 〔8/12〕	3.5 〔8/20〕	350 〔7/15〕
Cs-137(Approx.30 years)	3.3 〔6/26〕	4.7 〔8/19〕	8.6 〔8/5〕	81 〔8/13〕	33 〔8/12〕	51 〔8/12〕	56 〔8/11〕	20 /15〕〔8/2	52 〔8/19〕	37 〔8/12〕	9.8 〔8/20〕	770 〔7/15〕
All β	ND	46 〔8/19〕	40 〔7/3〕	1,100 〔8/15〕	320 〔8/12〕	700 〔8/12〕	740 〔8/15〕	450 〔7/16〕	490 〔8/19〕	410 〔8/12〕	85 〔8/20〕	1000 〔7/15〕
H-3 (Approx. 12 years)	8.6 〔6/26〕	11 〔7/15〕	340 〔6/26〕	4,700 〔8/15〕	460 〔7/15〕	2,500 〔8/12〕	2,600 〔8/15〕	1,200 〔8/4〕	820 〔8/19〕	720 〔8/12〕	—	380 〔8/12〕
Sr-90 (Approx. 29 years)	5.8 〔6/26〕	-	7.4 〔6/26〕	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	-	Under analysis

Unit: Bq/L

	1F, Between the water intake channel of Unit 3 and Unit 4 (surface layer)	1F, Between the water intake channel of Unit 3 and Unit 4 (lower layer)	1F, Unit 4 Screen (Inside the Silt Fence)	1F, Around the south discharge channel	1F, Port 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 north breakwater	East side of the port entrance	South side of the south breakwater
Cs-134(Approx. 2 years)	22 〔8/12〕	4.8 〔8/20〕	46 〔7/8〕	ND	1.6 〔8/19〕	2.9 〔8/19〕	2.6 〔8/19〕	ND	2.1 〔8/19〕	ND	ND	ND
Cs-137(Approx.30 years)	45 〔8/12〕	7.7 〔8/20〕	93.0 〔7/8〕	3.0 〔7/15〕	4.7 〔8/19〕	6.6 〔8/19〕	6.5 〔8/19〕	4.7 〔8/19〕	4.6 〔8/19〕	ND	ND	ND
All β	390 〔8/12〕	57 〔8/20〕	310 〔8/12〕	ND	69 〔8/19〕	74 〔8/19〕	60 〔7/4〕	69 〔8/19〕	79 〔8/19〕	ND	ND	ND
H-3 (Approx. 12 years)	650 〔8/12〕	-	400 〔8/12〕	ND	68 〔8/19〕	67 〔8/19〕	59 〔8/19〕	52 〔8/19〕	60 〔8/19〕	4.7 〔8/14〕	ND	ND
Sr-90 (Approx. 29 years)	Under analysis	-	Under analysis	0.36 〔6/26〕	3.5 〔6/20〕	Under analysis	Under analysis	-	-	-	-	-

* The highest result announced in "Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection" or the other handouts is provided.
  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.
* "ND" indicates that the measurement result is below the detection limit.
* Date of sampling is provided in parentheses.
* "-" indicates that the measurement was out of range.