<Reference>
August 2, 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.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.2	Underground water observation hole No.2-1	Underground water observation hole No.3	Underground water observation hole No.3-1
Date of sampling	Jul 29, 2013	Jul 29, 2013	Jul 29, 2013	Jul 29, 2013		Jul 29, 2013	Jul 29, 2013		
Time of sampling	11:50 AM	12:10 PM	11:26 AM	10:51 AM		11:30 AM	10:53 AM		
Cs-134 (Approx. 2 years)	ND(0.46)	1,300	ND(0.44)	0.48		ND(0.40)	ND(0.43)		
Cs-137 (Approx.30 years)	ND(0.51)	2,700	ND(0.47)	1.1		ND(0.47)	1.0		
The other γ	17	ND	16	ND		ND	ND		
	ND	180	ND	ND		ND	ND		
All β	1,300	870,000	150,000	78		400	380		
H-3 (Approx. 12 years)	420,000	350,000	250,000	51,000		660	170		
Sr-90 (Approx. 29 years)	-	-	-	-		-	-		

* Data announced this time is provided in a thick-frame. The other data was announced on July 30.
* "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)
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)
Date of Sampling	Jul 29, 2013	Jul 29, 2013	Jul 29, 2013	Jul 30, 2013	Jul 29, 2013	Jul 29, 2013	Jul 30, 2013	Jul 30, 2013	Jul 29, 2013
Time of sampling	5:55 AM	6:15 AM	5:34 AM	6:04 AM	6:15 AM	5:44 AM	6:13 AM	6:13 AM	5:50 AM
Cs-134(Approx. 2 years)	ND(0.92)	ND(2.4)	ND(1.7)	21	ND(2.5)	16	17	2.5	6.8
Cs-137(Approx.30 years)	ND(1.4)	ND(2.3)	2.2	49	ND(1.9)	34	35	8.4	18
All β	ND(19)	ND(19)	ND(19)	480	21	330	340	97	140
H-3 (Approx. 12 years)	ND(2.9)	ND(2.9)	ND(120)	2,200	ND(120)	1,500	1,700	650	370
Sr-90 (Approx. 29 years)	-	-	-	-	-	-	-	-	-

Unit: Bq/L

	1F, Between the water intake channel of Unit 2 and Unit 3	1F, Unit 3 Screen (Inside the Silt Fence)	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
Date of Sampling	Jul 29, 2013	Jul 29, 2013	Jul 29, 2013	Jul 29, 2013	Jul 29, 2013			
Time of sampling	5:54 AM	5:57 AM	6:02 AM	6:00 AM	5:15 AM			
Cs-134(Approx. 2 years)	8.4	7.6	11	30	ND(1.0)			
Cs-137(Approx.30 years)	23	19	22	64	ND(1.3)			
All β	160	96	120	200	ND(21)			
H-3 (Approx. 12 years)	660	200	280	260	ND(2.9)			
Sr-90 (Approx. 29 years)	-	-	-	-	-			

* Data announced this time is provided in a thick-frame. The other data was announced on July 30 and 31.
* "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)
Date of Sampling				Aug 1, 2013			Aug 1, 2013	Aug 1, 2013	
Time of sampling				6:23 AM			6:34 AM	6:34 AM	
Cs-134(Approx. 2 years)				19			13	4	
Cs-137(Approx.30 years)				36			28	5.2	
All β				590			320	180	
H-3 (Approx. 12 years)				Under analysis			Under analysis	Under analysis	
Sr-90 (Approx. 29 years)				-			-	-	

Unit: Bq/L

	1F, Between the water intake channel of Unit 2 and Unit 3	1F, Unit 3 Screen (Inside the Silt Fence)	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
Date of Sampling								
Time of sampling								
Cs-134(Approx. 2 years)								
Cs-137(Approx.30 years)								
All β								
H-3 (Approx. 12 years)								
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.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	
Cs-134 (Approx. 2 years)		1.1	〔7/1〕	1.9	〔7/8〕	11,000	〔7/9〕	ND		1.5	〔7/8〕	21	〔7/31〕
Cs-137 (Approx.30 years)		1.5	〔7/1〕	3.6	〔7/8〕	22,000	〔7/9〕	1.4	〔7/12〕	3.6	〔7/8〕	44	〔7/31〕
The other γ	Ru-106 (Approx. 370 days)	26	〔5/24〕	7.9	〔7/8〕	95	〔7/5〕	17	〔7/22〕	ND		ND	
	Mn-54 (Approx. 310 days)	ND		0.92	〔7/1〕	62	〔7/5〕	ND		ND		ND	
	Co-60 (Approx. 5 years)	0.50	〔7/19〕	ND		3.1	〔7/8〕	ND		ND		ND	
	Sb-125 (Approx. 3 years)	1.7	〔7/11〕	ND		250	〔7/15〕	1.4	〔7/12〕	ND		ND	
All β		1,900	〔5/24〕	4,400	〔7/8〕	900,000	〔7/5〕 〔7/9〕	150,000	〔7/22〕 〔7/25〕 〔7/29〕 〔8/1〕	330	〔7/8〕	1,200	〔7/31〕
H-3 (Approx. 12 years)		500,000	〔5/24〕 〔6/7〕	630,000	〔7/8〕	380,000	〔7/5〕 〔7/11〕	290,000	〔7/12〕	98,000	〔7/11〕	28,000	〔7/31〕
Sr-90(Approx. 29 years)		1,200	〔6/7〕	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)		0.50	〔7/9〕	0.44	〔8/1〕	3.5	〔7/25〕	1.2	〔7/23〕
Cs-137 (Approx.30 years)		1.2	〔7/11〕 〔8/1〕	1.0	〔7/29〕	4.8	〔7/11〕	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〕	120	〔7/25〕	3,200	〔2012/12/12〕	310	〔7/25〕
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)
Cs-134(Approx. 2 years)	1.8 〔6/21〕	ND	1.9 〔7/3〕	31 〔3/11〕	7.7 〔7/15〕	17 〔7/15〕	17 〔7/30〕	9.9 〔7/23〕	16 〔7/3〕
Cs-137(Approx.30 years)	3.3 〔6/26〕	3.1 〔7/15〕	5.7 〔7/15〕	56 〔3/11〕	18 〔7/15〕	37 〔7/15〕	38 〔7/28〕	19 〔7/23〕	34 〔7/3〕
All β	ND	20 〔7/2〕	40 〔7/3〕	660 〔7/28〕	250 〔7/15〕	330 〔7/29〕	340 〔7/30〕	450 〔7/16〕	260 〔6/26〕
H-3 (Approx. 12 years)	8.6 〔6/26〕	11 〔7/15〕	340 〔6/26〕	3,100 〔7/28〕	460 〔7/15〕	1,300 〔7/15〕	1,800 〔7/28〕	690 〔7/28〕	440 〔7/15〕
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

Unit: Bq/L

	1F, Between the water intake channel of Unit 2 and Unit 3	1F, Unit 3 Screen (Inside the Silt Fence)	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
Cs-134(Approx. 2 years)	9.3 〔7/15〕	350 〔7/15〕	12 〔7/15〕	46 〔7/8〕	ND	ND	ND	ND
Cs-137(Approx.30 years)	23 〔7/29〕	770 〔7/15〕	26 〔7/15〕	93 〔7/8〕	3.0 〔7/15〕	3.7 〔6/26〕	3.3 〔7/4〕	3.3 〔6/26〕
All β	250 〔7/15〕	1,000 〔7/15〕	260 〔7/15〕	300 〔7/15〕	ND	31 〔6/26〕	40 〔7/4〕	60 〔7/4〕
H-3 (Approx. 12 years)	460 〔7/15〕	220 〔6/21〕	430 〔7/15〕	260 〔6/26〕	ND	29 〔6/26〕	44 〔7/4〕	37 〔7/4〕
Sr-90 (Approx. 29 years)	Under analysis	Under analysis	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.