

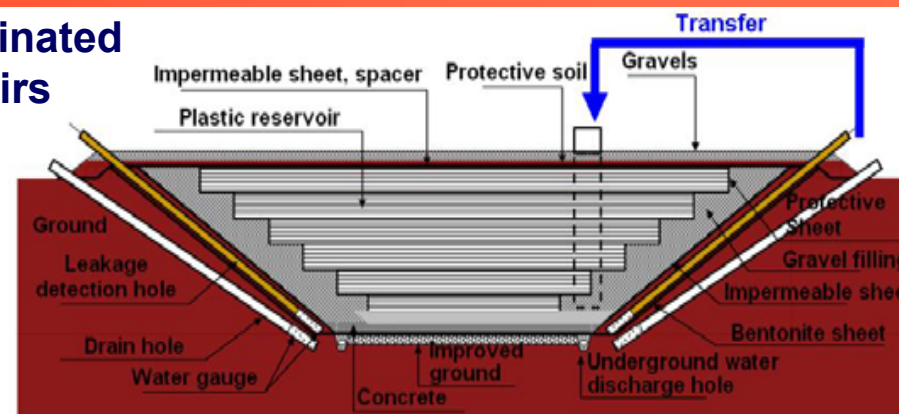
# Work Performed Today (April 23) in Response to the Leakage from the Underground Reservoirs

<Reference>  
 April 23, 2013  
 Tokyo Electric Power Company

## Measures to Prevent the Expansion of Contaminated Water Leakage from the Underground Reservoirs

### Outline

- In order to prevent the leaked water in the leakage detection holes from leaking into the ground in the surrounding area, the water in the leakage detection holes will be returned to the underground reservoirs.



### Schedule

Under ground reservoir	Leakage detection holes	April																												
		10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30								
		Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue								
No.1	Northeast side	[Work performed]																												
	Southwest side	[Work performed]																												
No.2	Northeast side		[Work performed]	[Work performed]			[Work performed]	[Work performed]	[Work performed]																					
	Southwest side		[Work performed]	[Work performed]																										
No.3	Northeast side				[Work performed]				[*1]	[Work performed]	[*2]																			
	Southwest side				[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]	[Work performed]							

### Photo of the work performed



Installation of the pump at underground reservoir No. iii (photo taken on April 13)

[Yellow box] : Detection holes with high radioactive material densities

\*1 Water transfer was conducted since radioactive material density of the water in the detection hole is increasing.

\*2 Water transfer was postponed since radioactive material density of the water in the detection hole is tend to decreasing.

# Monitoring of the Impact of the Leakage on the Surrounding Environment (1): Progress of the Boring and the Result of the Monitoring

- New observation holes (at 22 locations)  
(Understanding the contamination condition in the surrounding area of the underground reservoirs)  
Depth: Approx. 5-15m
- New observation holes (at 8 locations)  
(Continuous monitoring for contamination expansion to the sea side)  
Depth: Approx. 20-30m

[Condition of the work]

- ○ : To be drilled
- ● : being drilled
- ● : finish drilled

[Condition of the monitoring]

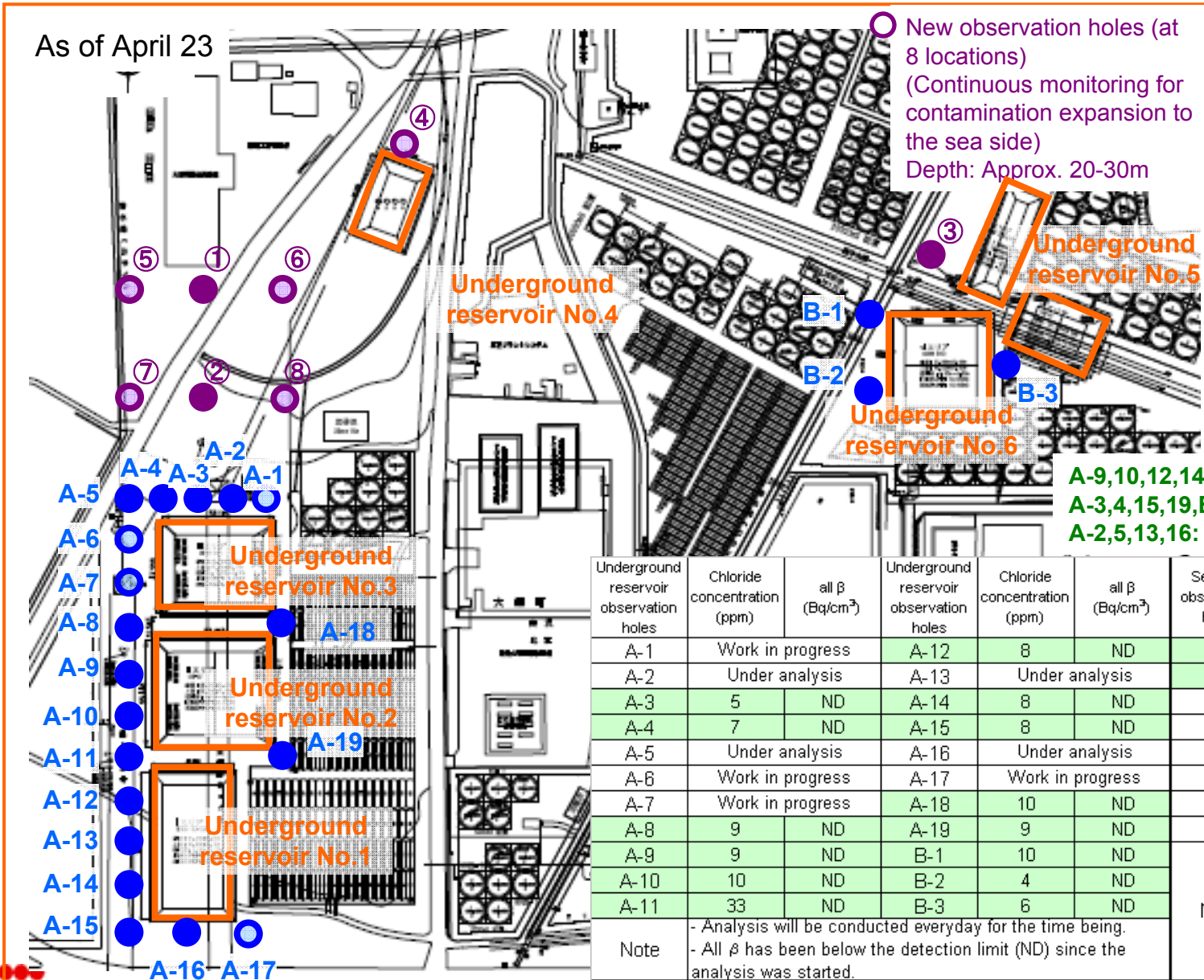
A-8: Started from April 15

A-11,18: Started from April 17

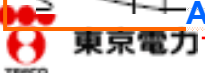
A-9,10,12,14,B-1,2: Started from April 21

A-3,4,15,19,B-3,①,②: Started from April 22

A-2,5,13,16: Started from April 23

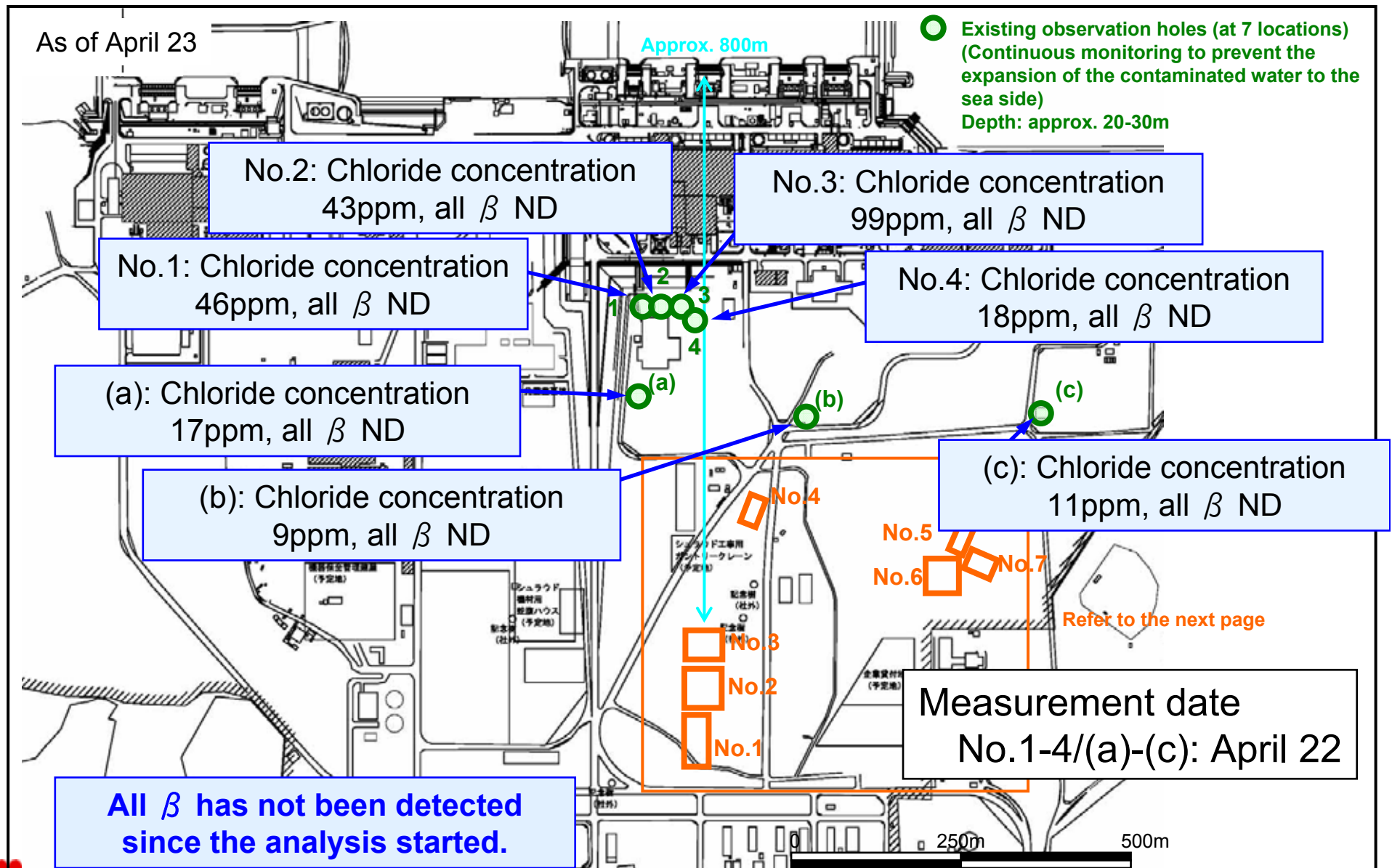


Underground reservoir observation holes	Chloride concentration (ppm)	all β (Bq/cm <sup>3</sup> )	Underground reservoir observation holes	Chloride concentration (ppm)	all β (Bq/cm <sup>3</sup> )	Sea side observation holes	Chloride concentration (ppm)	all β (Bq/cm <sup>3</sup> )
A-1	Work in progress		A-12	8	ND	①	8	ND
A-2	Under analysis		A-13	Under analysis		②	8	ND
A-3	5	ND	A-14	8	ND	③	Under analysis	
A-4	7	ND	A-15	8	ND	④	Work in progress	
A-5	Under analysis		A-16	Under analysis		⑤	Work in progress	
A-6	Work in progress		A-17	Work in progress		⑥	Work in progress	
A-7	Work in progress		A-18	10	ND	⑦	Work in progress	
A-8	9	ND	A-19	9	ND	⑧	Work in progress	
A-9	9	ND	B-1	10	ND	Note	- Analysis will be conducted once a week. - All β has been below the detection limit (ND) since the analysis was started.	
A-10	10	ND	B-2	4	ND			
A-11	33	ND	B-3	6	ND			
Note	- Analysis will be conducted everyday for the time being. - All β has been below the detection limit (ND) since the analysis was started.							



Analysis results as of April 22 (samples obtained today are under analysis)

# Monitoring of the Impact of the Leakage on the Surrounding Environment (2): Monitoring Result (Existing Observation Holes)



# Monitoring of the Impact of the Leakage on the Surrounding Environment (3): Monitoring Result (Existing Observation Holes, Tritium)

