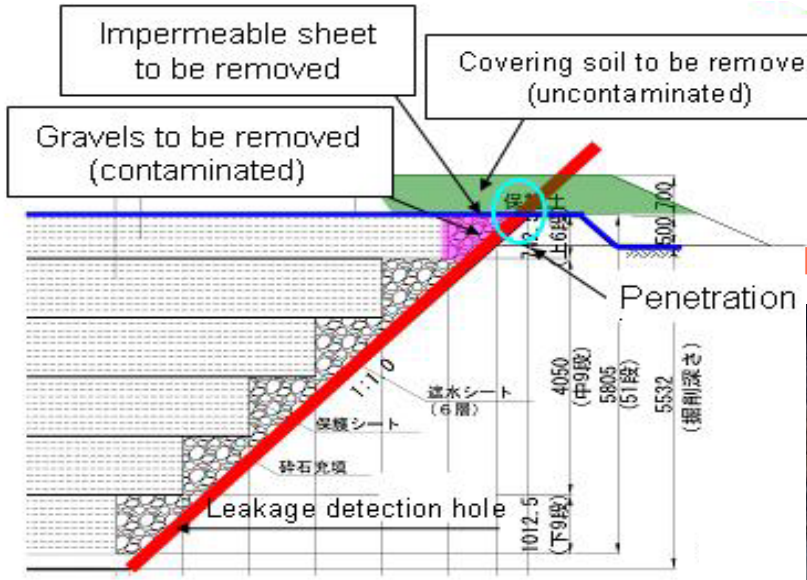
Work Performed Today (April 15) in Response to the Leakage from the Underground Reservoirs

<Reference>
April 15, 2013
Tokyo Electric Power Company

Cause Investigation of the Leakage

- Outline
  - Visually inspect the conditions of the impermeable sheet and the leakage detection hole in the leakage detection hole penetration in the northeast side of the underground reservoir No. 2 where the leakage is suspected.

Remove the covering soil
↓
Cut and remove the sheet on the upper part
↓
Remove the gravels
↓
Inspect the leakage detection hole penetration
↓
Implement rain protection

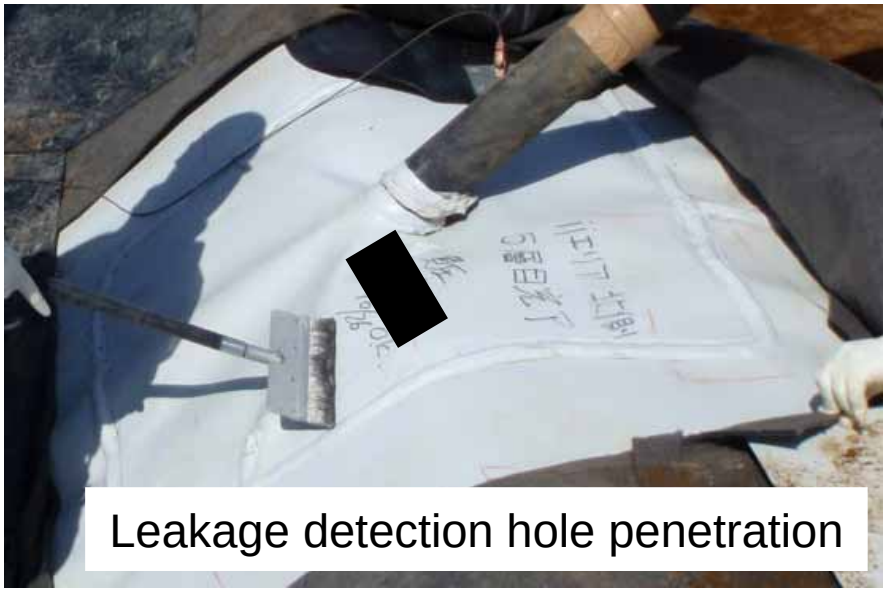


- Schedule

Item	April											
	8	9	10	11	12	13	14	15	16	17	18	19
Investigation of the underground reservoir No.2												

■: Planned schedule, ■: Actual schedule

- Work performed on April 13
  - Spark test of the leakage detection hole penetration
- Investigation locations are scheduled to be restored.
- Photos of the work performed on April 13

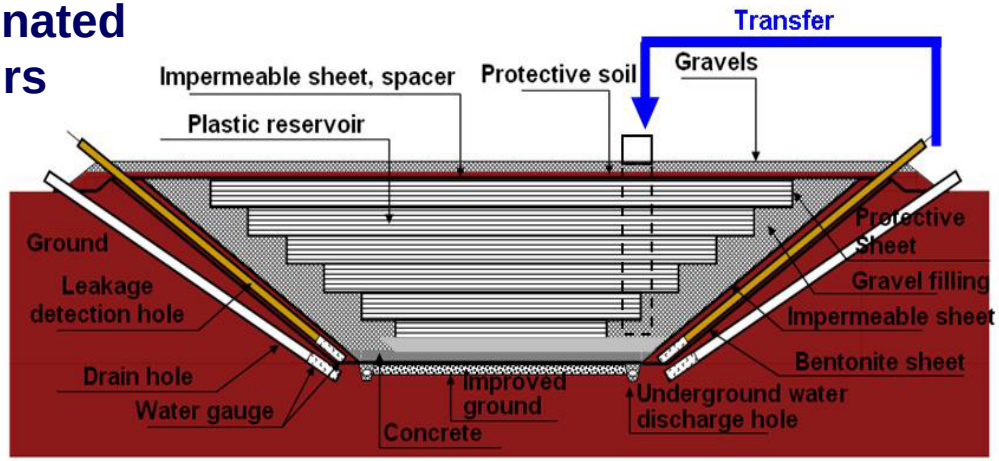

Leakage detection hole penetration

No problem was found as a result of the spark test.

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

: Detection holes with high radioactive material densities

Underground reservoir	Leakage detection holes	Apr 10 (Wed)	Apr 11 (Thu)	Apr 12 (Fri)	Apr 13 (Sat)	Apr 14 (Sun)	Apr 15 (Mon)
No. i	Northeast side						
	Southwest side						
No. ii	Northeast side						
	Southwest side						
No. iii	Northeast side						
	Southwest side						

Photo of the work performed today

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

Future Plans

- Sampling will be conducted in all detection holes (Northeast side, Southwest side).
- Suction and transfer of the contaminated water will be conducted in all detection holes with high radioactive material densities.

Monitoring of the Impact of the Leakage on the Surrounding Environment

■ Locations where boring will be performed (around the underground reservoirs)

○ New observation holes (at 8 locations)
(Continuous monitoring for contamination expansion to the sea side)
Depth: Approx. 20-30m

○ New observation holes (at 22 locations)
(Understanding the contamination condition in the surrounding area of the underground reservoirs)
Depth: Approx. 5-15m

[Condition of the work]
○ ○ : To be drilled
◉ ◉ : being drilled
● ● : drilled

	From Apr 10	From Apr 14	From Apr 21	From Apr 28	May	June
Continuous monitoring for contamination expansion to the sea side (8 locations)	Boring ①	Boring ② ③	Boring ④	Boring ⑤-⑧		
Understanding the contamination condition in the surrounding area of the underground reservoirs (22 locations)	Boring A-1 - A-22					

東京電力 TEPCO

Underground Water Monitoring Result of the Existing Observation Holes