

Phase 3 freezing of Landside Impermeable Wall starts at Fukushima Daiichi Nuclear Power Station

<Reference>
Aug 22, 2017
Tokyo Electric Power
Company Holdings, Inc.

- The remaining unfrozen area (west side No.3) refrigeration valve opening on the soil freezing pipes has been started 9:00 today (August, 22).
- Today, the situation has proceeded to Phase 3 towards the completion of Landside Impermeable Wall.
- Number of freezing pipes and refrigeration valves are 11, and the length of unfrozen area is approximately 7m.
- The appearance of contaminated water will be fewer by closing the remaining unfrozen area because groundwater from mountain side will be decreased and groundwater level around reactor buildings will be able to stably controlled.
- After started freezing, fluctuation of west side No.3 temperature will be monitored. After that, effectiveness of Landside Impermeable Wall will be estimated by confirming the gap of groundwater level between inside and outside of wall, amount of inflowing groundwater into the reactor buildings, and the amount of inflowing groundwater from mountain side.

<Phase 3> State of valve opening work

- Started to open refrigeration valves on the soil freezing pipes.
(August 22, 2017, 9:00AM~)



State of the field work



Condition of freezing pipes
and valves



Refrigeration valve opening work

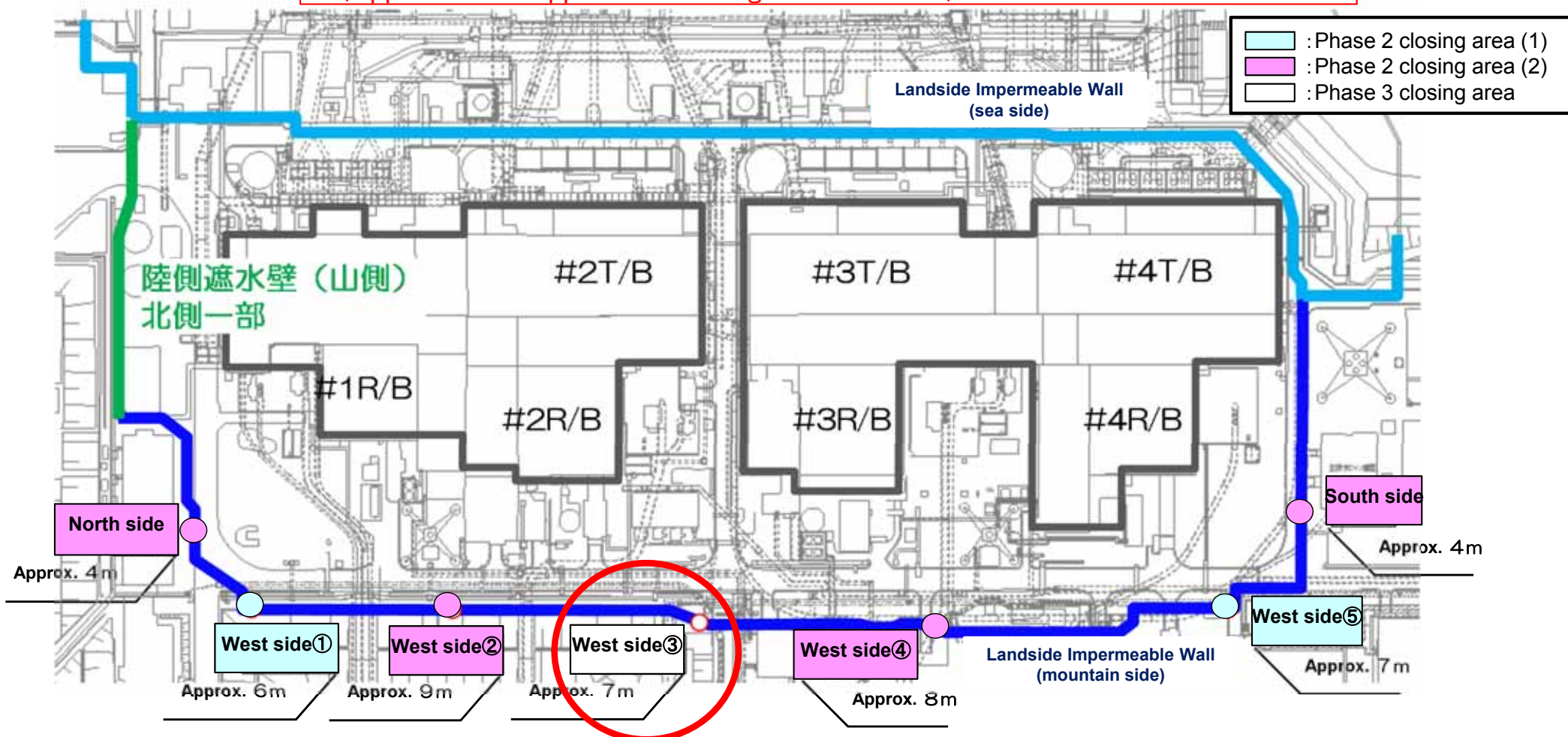
Photos taken on : August 22, 2017

Photos taken by : Tokyo Electric Power Company Holdings, Inc

<Phase 3> Closing area

- At Phase 3, the remaining unfrozen area (west side No.3) will be closed towards the completion of Landside Impermeable Wall.

○ The remaining unfrozen area : Length of unfrozen area : Approx. 7m
(Approx. 1% of Approx. 860m long mountain side)



Phase 3 freezing area (closing wall)