Progress of Landside Impermeable Wall freezing: the Second Stage



- OThe purpose of the Landside Impermeable Wall construction lies not in freezing soil to form an underground wall but in keeping groundwater from flowing into the reactor/turbine buildings and preventing new contaminated water from being generated.
- OBy closing part of unfrozen areas on the mountainside in the second stage following after the first stage, it is expected that the amount of groundwater flowing into the areas around the reactor/turbine buildings will be reduced. This will also keep groundwater from being contaminated.
- OThroughout the second stage, how freezing of the Landside Impermeable Wall has progressed will be checked by monitoring the difference in groundwater levels inside and outside of the wall and the amount of groundwater pumped up by the Subdrain, groundwater drain, and the well point systems.

Changes in soil temperatures over time

· Average Soil Temperature (AST) of medium-grained sandstone layer (blue line):

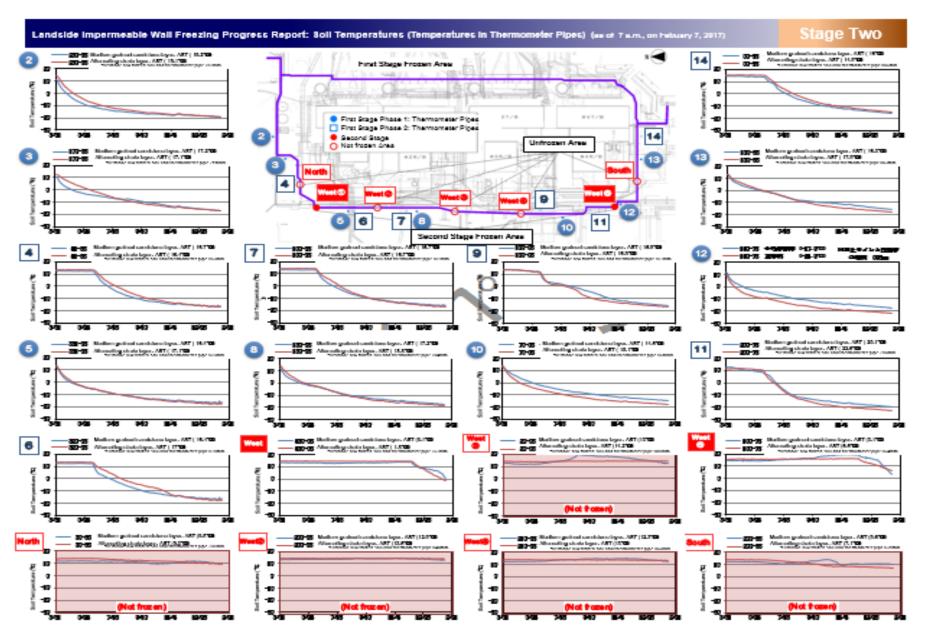
average value of thermometer temperatures measured at 1m intervals except for the areas

between ground surface and Ground Level 2m and the areas around the first muddy layer boarder.

Average Soil Temperature (AST) of alternating strata layer (red line):

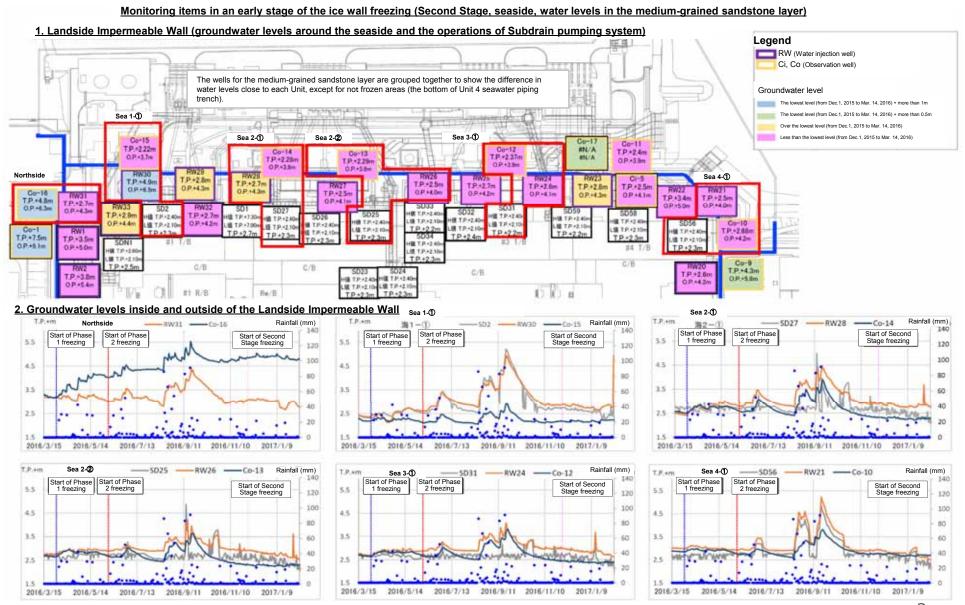
Average value of thermometer temperatures measured at 1m intervals except for the areas around the upper and lower parts of the alternating layer boarder.





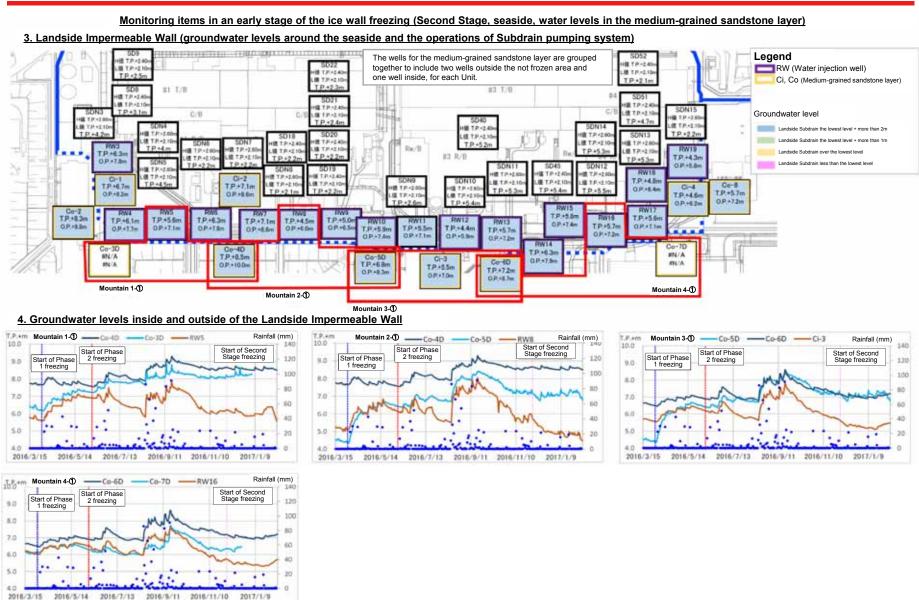
(in the medium-grained sandstone layer 1 on the seaside)





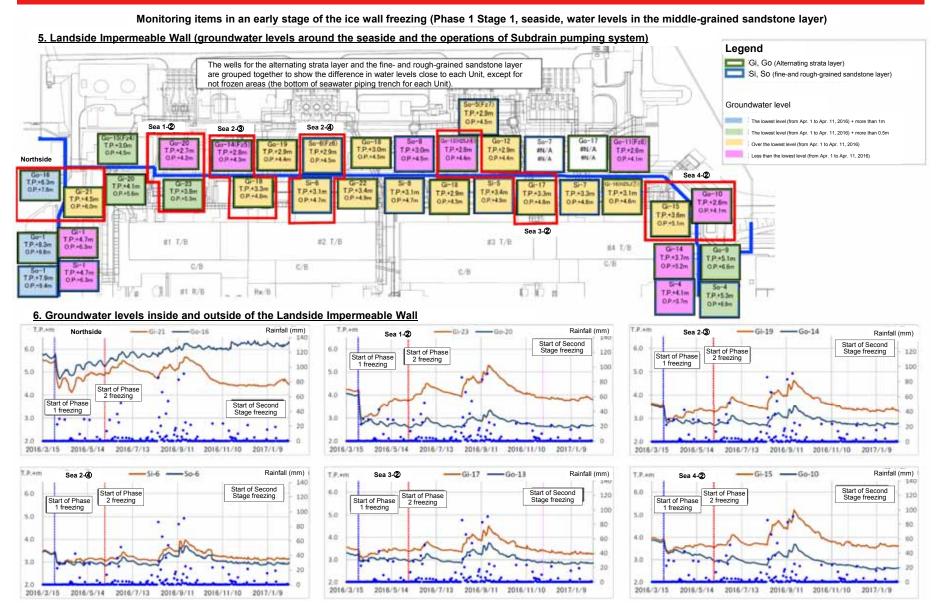






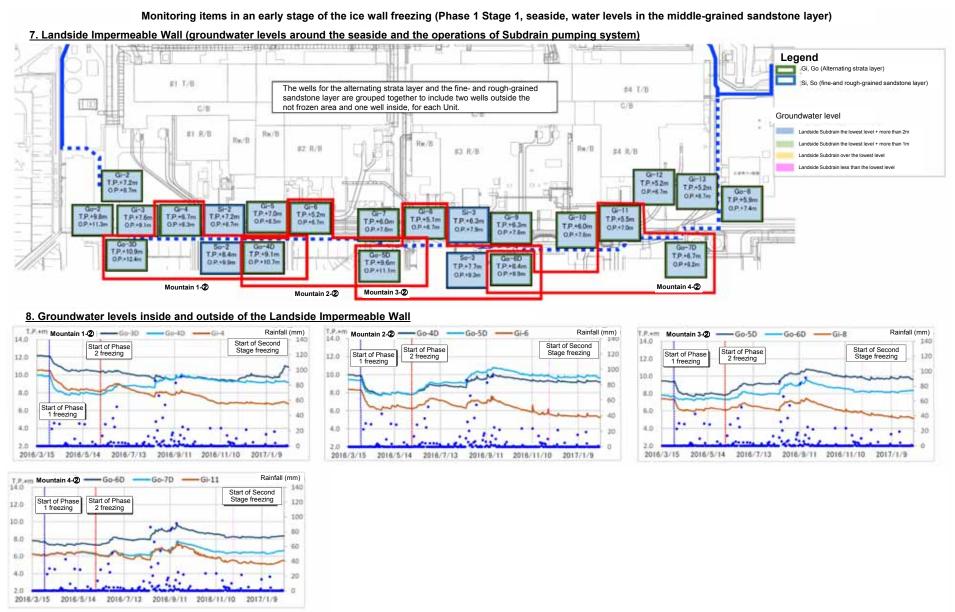






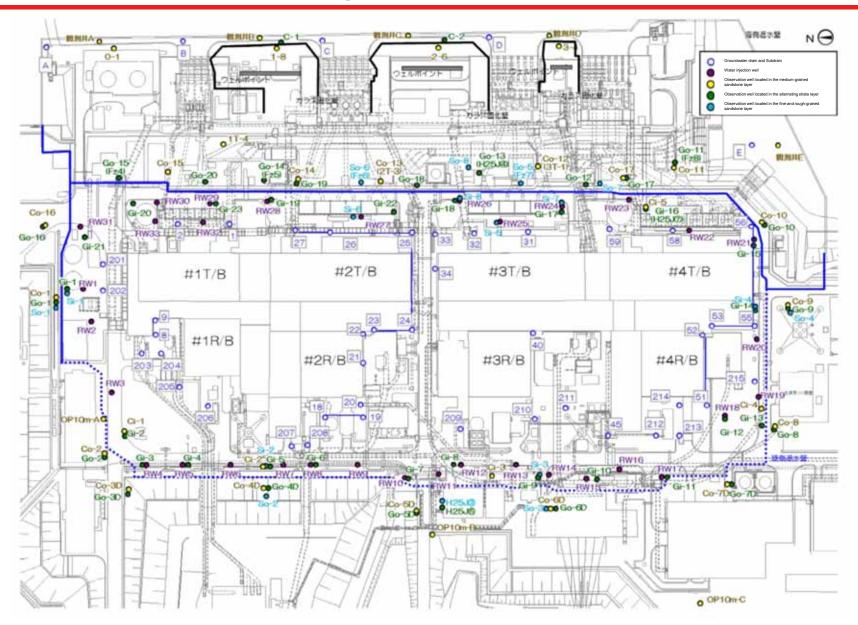




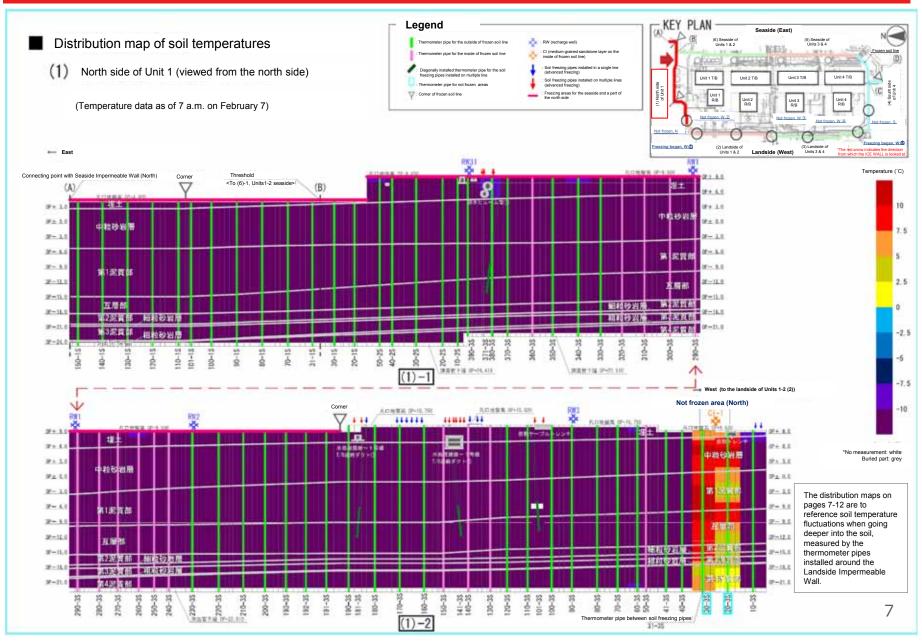


For Reference: Location map of groundwater level observation wells T=PCO

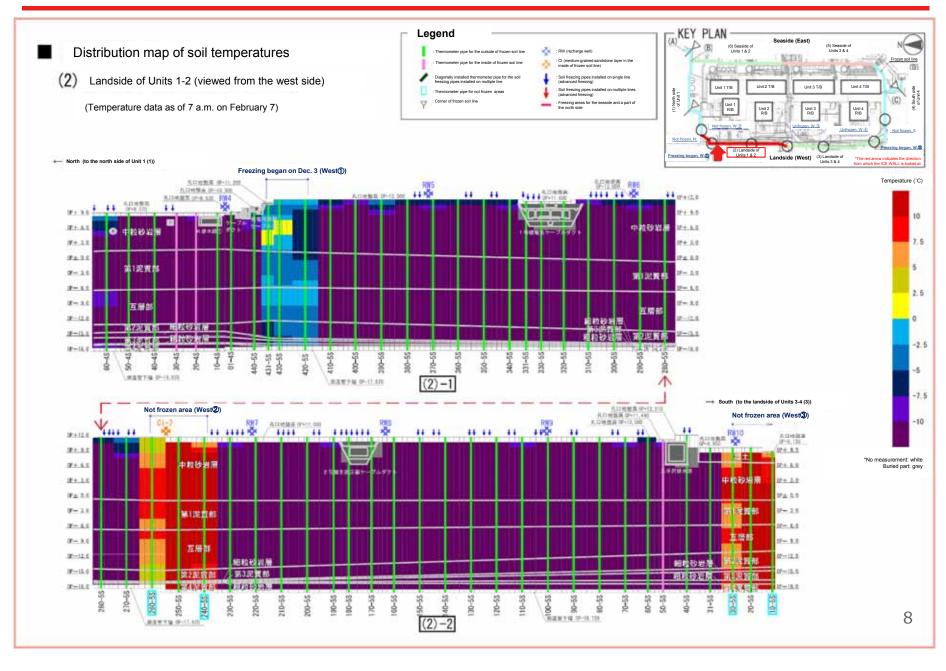




(north side of Unit 1) TEPCO

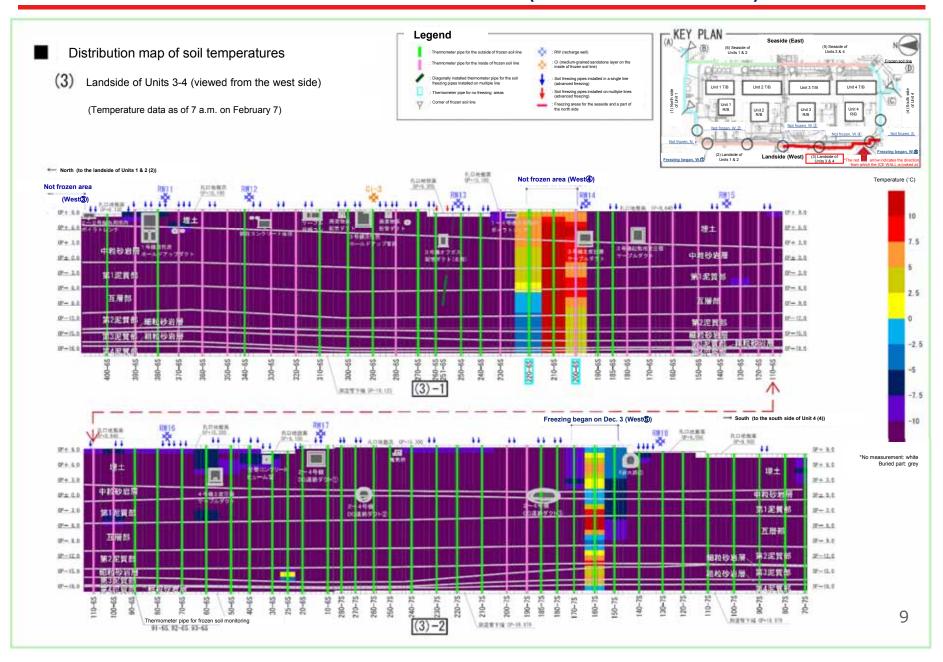


(west side of Units 1-2) **TEPCO**

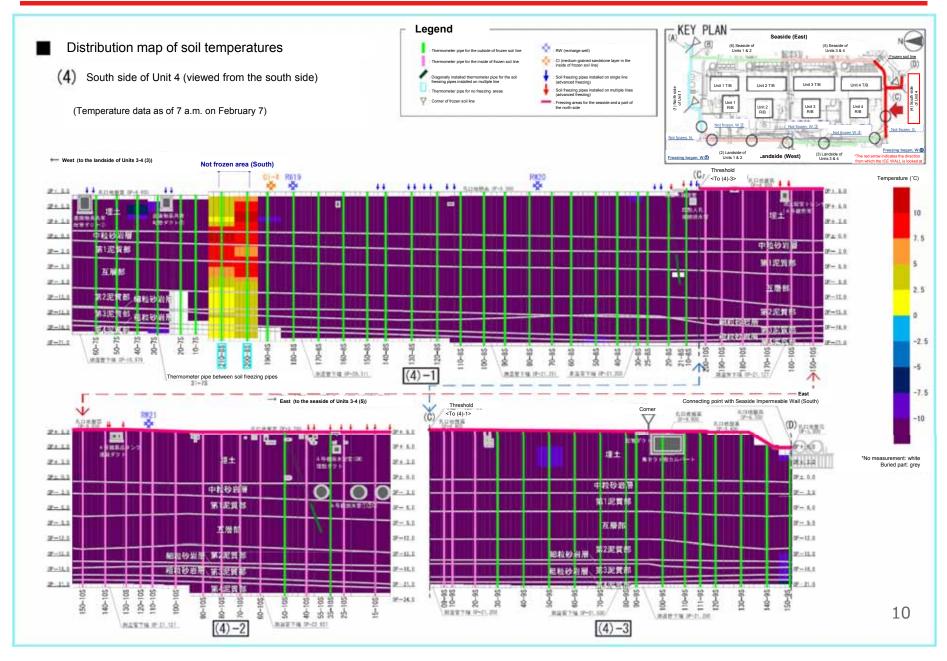


(west side of Units 3-4)

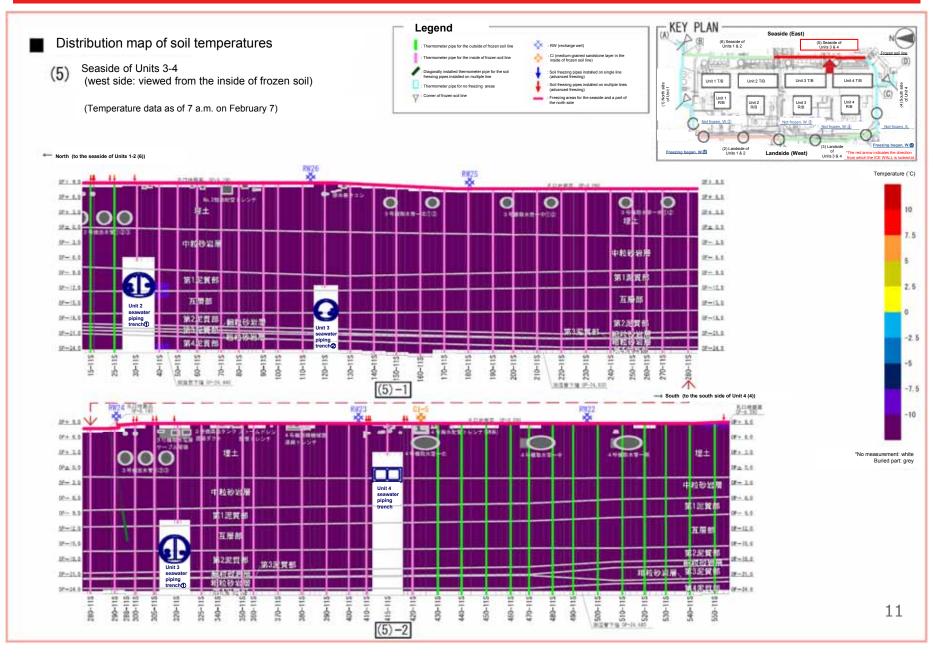




(south side of Unit 4) TEPCO



(east side of Units 3-4) TEPCO



(east side of Units 1-2) TEPCO

