Measures against Contaminated Water/Outlines of Emergency Measures

As of August 26, 2013

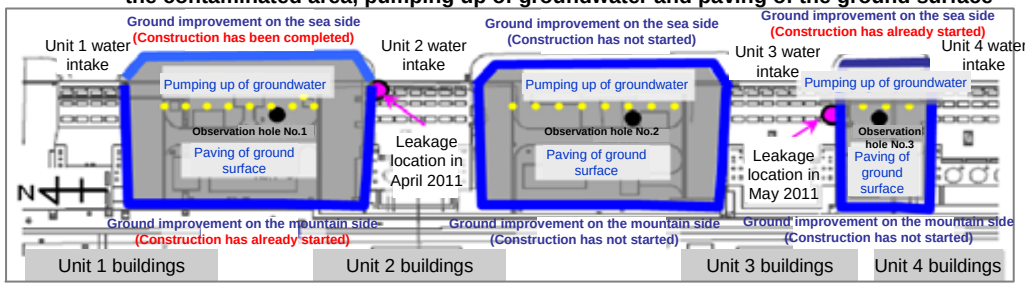
As the emergency measures, we will take the following three measures for the purposes of “preventing outflow of the contaminated water into the port”, “removing the contamination source” and “suppressing increase of the contaminated water”.

Measure (1) “Preventing outflow of contaminated water into the port” --- Ground improvement of the contaminated area, pumping up of groundwater and paving of the ground surface. [Causing no leaks] [Keeping away from contamination]

Measure (2) “Removing contamination sources” --- Removal of highly radioactive contaminated water inside the trench. [Removing contamination]

Measure (3) “Suppressing increase of contaminated water” --- Pumping up groundwater on the mountain side to the building. [Keeping away from contamination]

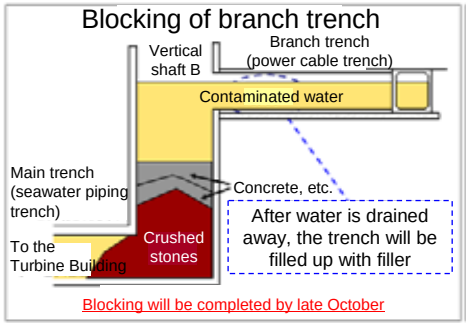
Measure (1) “Preventing outflow of contaminated water into the port” --- Ground improvement of the contaminated area, pumping up of groundwater and paving of the ground surface



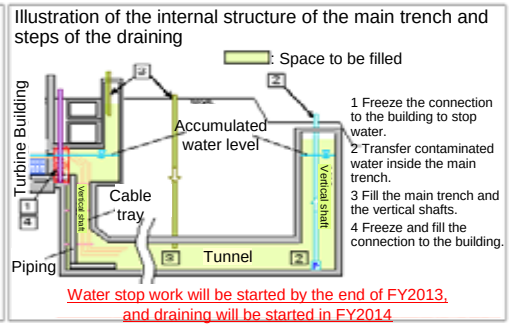
<Ground improvement construction>

- At bank protections between the water intakes, ground improvement will be carried out by chemical injection for the purpose of reducing groundwater permeability. Ground improvement by chemical injection will be carried out also on the mountain side for the purpose of preventing groundwater inflow. (Ground improvement on the sea side between the Units 1 and 2 water intakes was completed on August 9.)
- Contaminated groundwater to be held back due to the ground improvement will be taken up by using pumps in order to prevent this contaminated groundwater from overflowing. (Pumping up on the sea side between the Units 1 and 2 water intakes was started on August 9.)
- The ground surface will be paved for the purpose of suppressing penetration of rainwater. Further, the paving will be sloped so that rainwater can be drained.

Measure (2) “Removing contamination sources” --- Removal of highly radioactive contaminated water inside the trenches



Blocking will be completed by late October



Water stop work will be started by the end of FY2013, and draining will be started in FY2014

- For the purpose of removing highly radioactive contaminated water that has been accumulated the trenches (tunnels) and having the risk of penetrating and diffusing in the surrounding areas, the branch trench will be blocked, and contaminated water inside the main trench will be drained away.

Measure (3) “Suppressing increase of contaminated water” --- Pumping up of groundwater on the mountain side to the building (groundwater bypass)

- The groundwater bypass is a measure to reduce the amount of groundwater inflow into the buildings by pumping up, at locations upstream of the buildings, groundwater having flowed from the mountains and causing it to flow through a bypass.
- We have conducted water quality analyses on groundwater pumped up from the pump wells and on water contained in temporary storage tanks used for storing the pumped-up groundwater, and confirmed that the radioactive substance densities in all of the analyzed samples have been below the detection limit values or have been sufficiently low.

A tightly-sealed structure is adopted for each pump well.

Dedicated pipes and tanks are installed.

<Overview of the facilities>