

The Construction of ALPS Treated Water Dilution/Discharge Facilities and Ancillary Facilities at the Fukushima Daiichi Nuclear Power Station Commencement of the removal of temporary structures such as the guiding scaffolds

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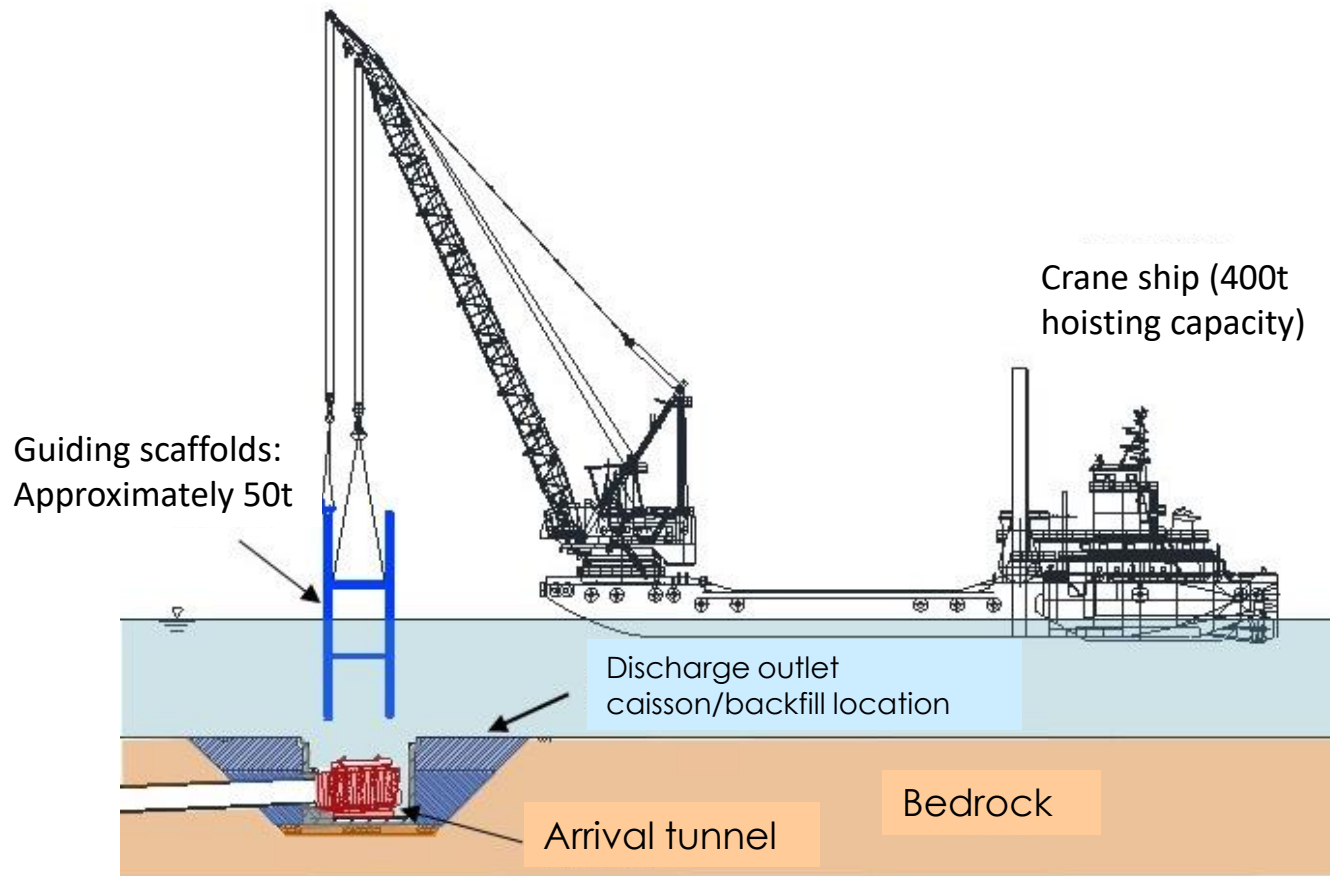
March 13, 2023

Tokyo Electric Power Company Holdings, Inc.
Fukushima Daiichi D&D Engineering Company

- On December 21, 2021, TEPCO submitted the "Application Documents for Approval to Amend the Implementation Plan for Fukushima Daiichi Nuclear Power Station Specified Nuclear Facility" regarding the design of ALPS Treated Water Dilution/Discharge Facilities, etc. to the Nuclear Regulation Authority (NRA), and on July 22, 2022, these application documents were approved by the NRA.
- On December 20, 2021, TEPCO also submitted a "Request for Prior Consent " to Fukushima Prefecture, Okuma Town, and Futaba Town regarding the installation of ALPS treated water dilution/discharge facilities, etc. based on the "Agreement to Ensure Safety in Surrounding Areas Related the Decommissioning of Fukushima Daiichi Nuclear Power Station (hereinafter the Agreement to Ensure Safety in Decommissioning)". On August 2, 2022, municipalities granted us prior consent after confirming the state of the necessary safety measures.
- Construction of ALPS treated water dilution/discharge facilities, etc. has begun sequentially since August 4, and installation of the discharge tunnel also began on the same day. In the offshore construction area, installation of the discharge outlet caisson was completed on November 18, so the shield machine was stopped at a safe location just short of the discharge outlet so that the area around the discharge outlet caisson could be backfilled. Thereafter, backfilling of the discharge outlet caisson commenced on December 8 and was completed on February 14.
- After confirming that the discharge outlet caisson has been secured in its installation location, the crane ship will be used to remove the guiding scaffolds. <Announced as of February 14>
- The installation location of the caisson was surveyed and it was confirmed that the discharge outlet caisson has been secured in a location that enables tunnel excavation, so going forward temporary structures, such as the guiding scaffolds, etc., shall be removed as soon as preparations have been completed.
- We will continue to watch weather and sea conditions and prioritize safety as we move forward with this construction.

Overview of the removal of the guiding scaffolds, etc.

- Backfilling of the area around the discharge outlet caisson has been completed and we have confirmed that the discharge outlet caisson is secured in its correct position. So, now the crane ship shall remove temporary structures, such as the surveying turned, etc.
- The guiding scaffolds is used to confirm the installation position of the caisson to ensure that the tunnel will arrive at the correct location. Surveying equipment installed on the top of the turret, which is only a temporary structure, has been used to acquire positional data.



Workflow for the removal of temporary structures, such as the guiding scaffolds, etc., and concept diagram of how the cutter will be used

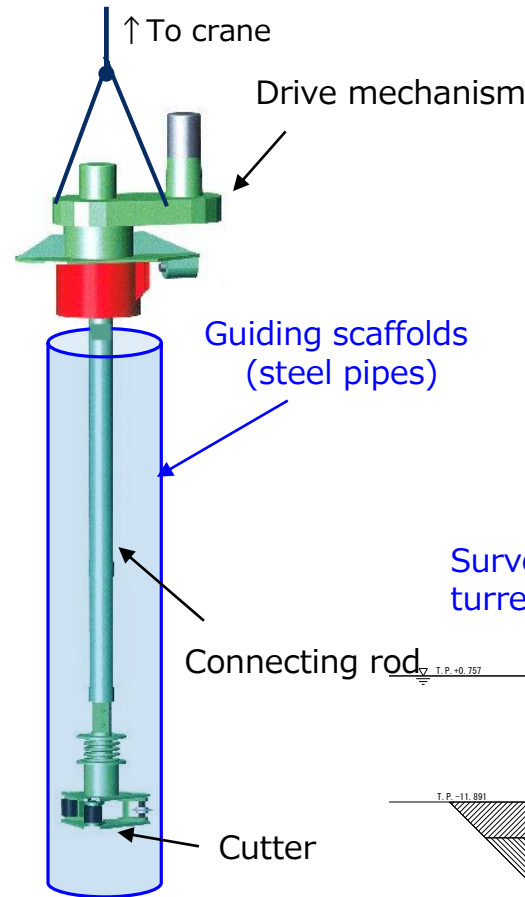
- Temporary structures, such as the guiding scaffolds, etc., shall be removed by the crane ship which will cut and hoist out the structure.
- Prior to removal, divers shall perform underwater surveys and make preparations for the removal of temporary structures.
- Then, a cutter lowered by the crane ship will be used to cut the four steel pipes of the guiding scaffolds and remove it.
- During this construction we will continue sea monitoring and take turbidity measurements on the borders of the work area (four locations).

Guiding scaffolds
removal preparations

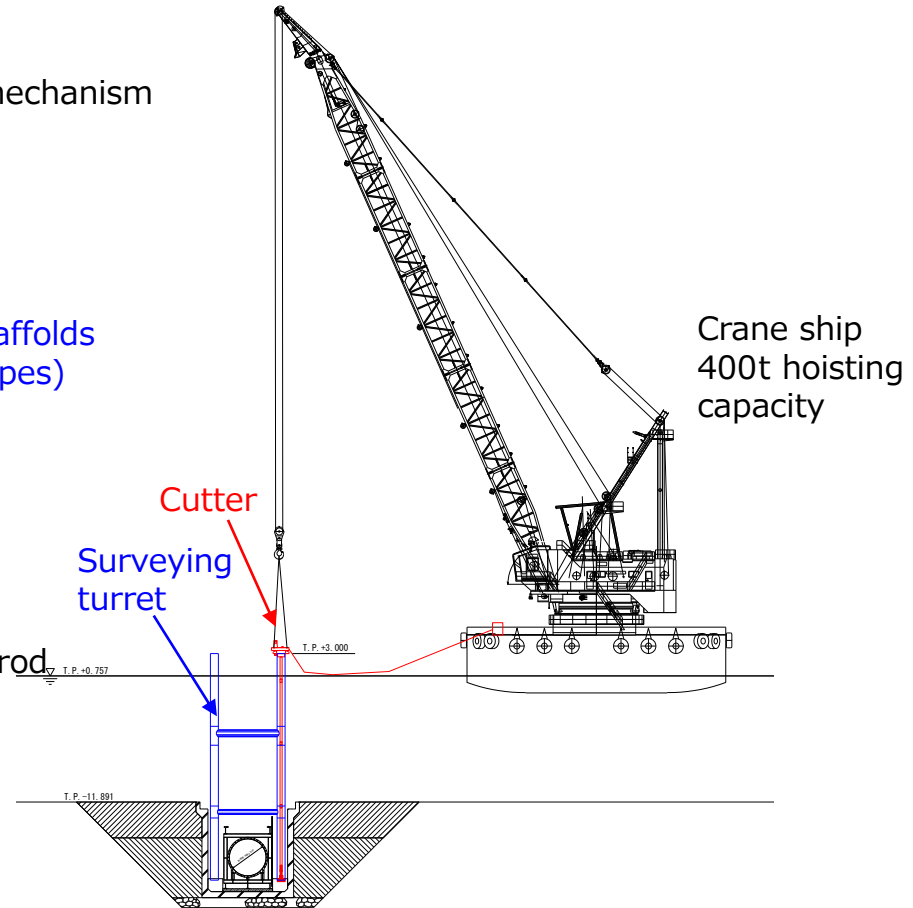
Guiding scaffolds removal

Guiding scaffolds, etc.
removal completed

Under
water
work



Cutter concept diagram



Cross-sectional concept diagram of using a cutter to remove the guiding scaffolds

Workflow for the removal of temporary structures such as the guiding scaffolds, etc.