

Progress of measures pertaining to the fish inside the port

2023.11.30

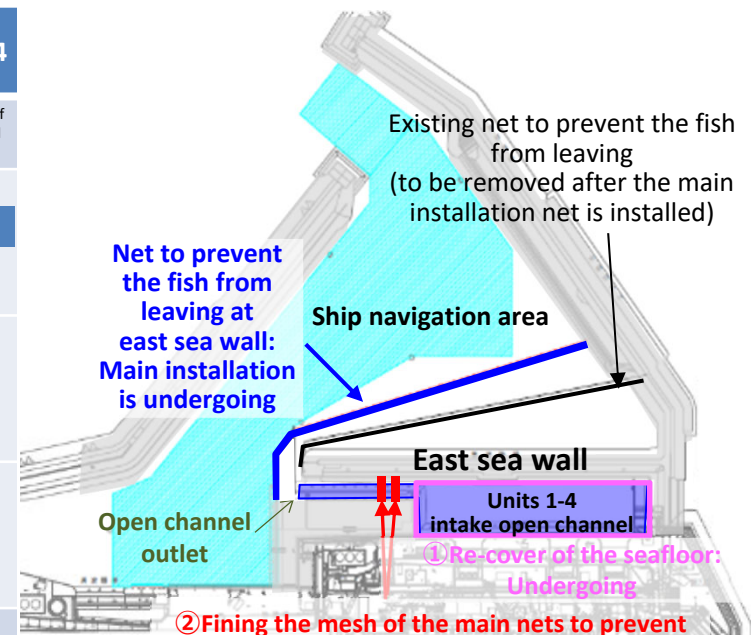
TEPCO

Tokyo Electric Power Company Holdings, Inc.

1. Progress of measures pertaining to the fish inside the port

- ① We commenced the seafloor re-covering construction inside the units 1-4 intake open channel on October 16.
 - Currently sand is being laid to prevent the sediment layer from lifting.
- ② We completed fining the mesh of the nets (mesh size of 5cm to 2cm) to prevent the fish from leaving at the units 1-4 intake open channel outlet on September 1.
 - In conjunction with the completion of this work, fish larger than the aforementioned mesh size will now be unable to enter or exit the aforementioned open channel.
- ③ We commenced the main installation (replacement) for the net to prevent the fish from leaving at the east sea wall on July 26.
 - Currently, guiderails for installing the high durability net to the steel pipe piles are being built.
 - Originally we had planned to have the net installed until March 2024, and in light of the progress that we have made with construction, our most recent schedule has the net installation completed around February 2024.
- We will continue to prioritize safety while watching weather/marine conditions in hopes of completing this task early.

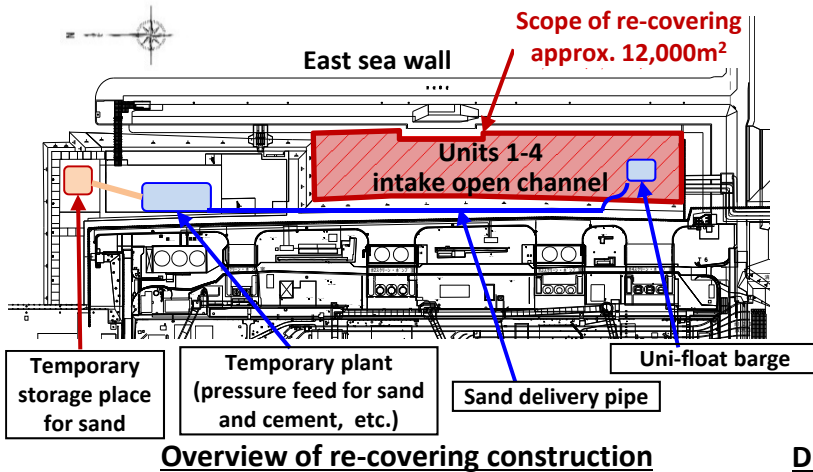
Countermeasure	FY2023										FY2024	
	7	8	9	10	11	12	1	2	3		The first half of the fiscal year	
① re-cover of the seafloor inside the units 1-4 intake open channel	Preparations (includes fieldwork)			▽ Commencement on Oct. 16								
② Fining the mesh of the main (metal) nets to prevent the fish from leaving at the units 1-4 intake open channel outlet	Preparations		▽ Commencement on Jul. 31									
			▲ Completed on Sep. 19									
③ Main installation (replacement) for the net to prevent the fish from leaving at the east sea wall	Steel pipe pile driving	Preparations		▽ Commencement on Jul. 26								
				▲ Completed on Sep. 27								
	Net installation	Preparations			▽ On Oct. 5 commencement of the ancillary construction related to installation of nets							



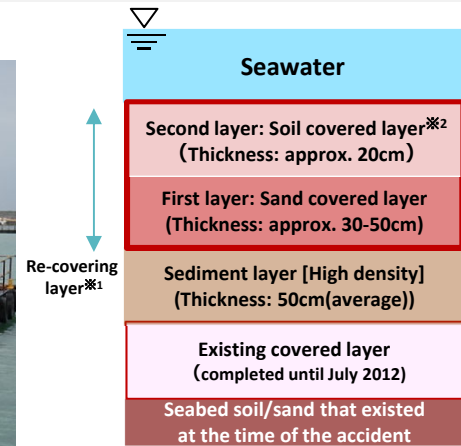
Progress of measures pertaining to the fish inside the port

2. Progress of the construction re-covering the seafloor inside the units 1-4 intake open channel

- We commenced the construction re-covering the seafloor inside the units 1-4 intake open channel on October 16.
- We first put down a small amount of sand in order to observe how the covering sand adheres to the bottom and to check the operation of equipment, and then, since October 31, we have been increasing the amount of sand as we transition to full scale construction. (First layer: Sand covered layer, approximately 30~50cm; Second layer: Soil covered layer, approximately 20cm) Furthermore, we have seen no impact from the construction on the cesium concentration of seawater in the vicinity of the open channel outlet.
- We aim to complete re-covering by the first half of FY2024 and has been proceeding with the construction



Dumping overlaying sand from the uni-float barge



※1 Re-covering layer specifications will be adjusted flexibly depending on the status of the work.
 ※2 Covering with improved materials made of soil and cement



Using the float barge wire to adjust position



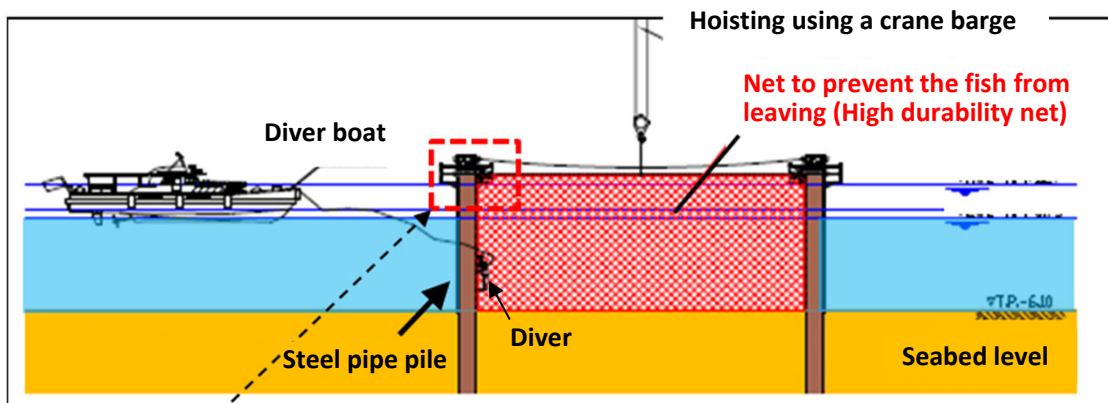
Sand delivery pipe (on sea surface)



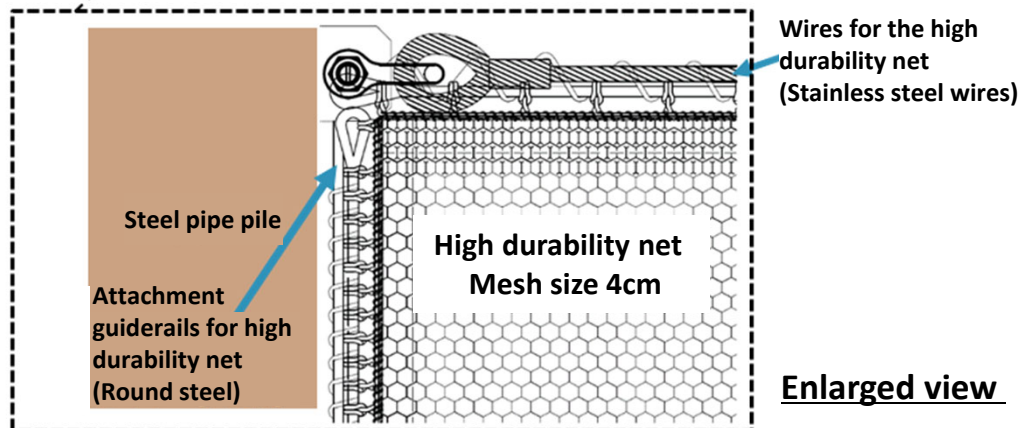
Dumping sand into the temporary plant

3. Progress of the construction installing the net to prevent the fish from leaving at the east sea wall

- We began driving steel pipe piles on July 26, and completed the task on the September 27.
- On October 5, we began ancillary construction to install the high durability net to the steel pipe piles.
 - Currently, guiderails for installing the high durability net to the steel pipe piles is being built.
 - On November 30 we plan to attach the stainless steel wires that will be used to attach the top of the high durability net.
- We will begin installing the high durability net as soon as ancillary construction has been completed.



High durability net attachment method



Enlarged view

Attaching guiderails (hoisting)



Attaching guiderails (Welding)

