

<Reference>

**Covering Works on the Surface of Marine
Sediment Inside the Port at Fukushima Daiichi
Nuclear Power Station**

<Start of Marine Soil Covering Project>

July 18, 2014

Tokyo Electric Power Company



東京電力

1. Outline

<Construction description>

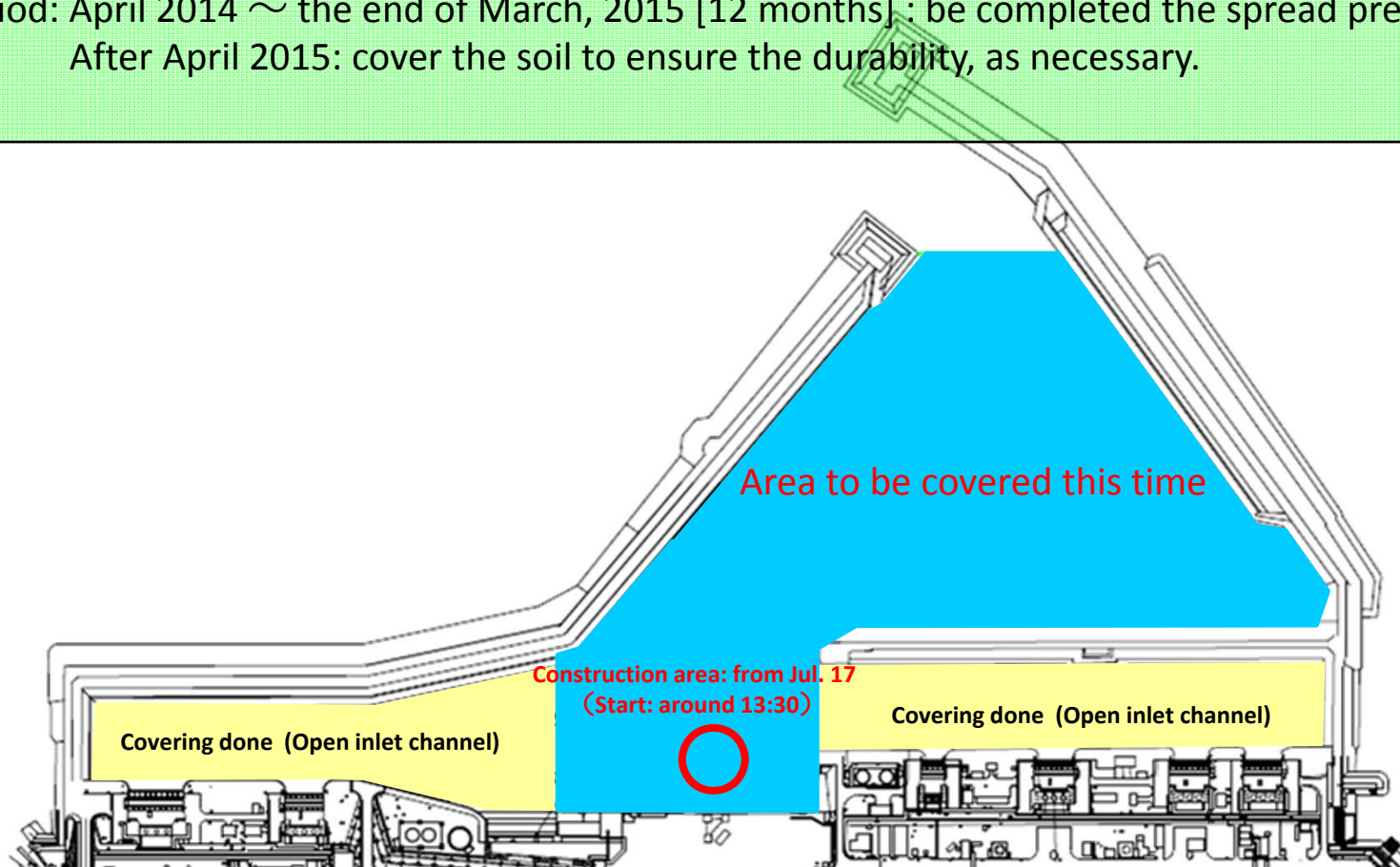
Purpose: To prevent spreading of contaminated materials on the bottom of the sea by covering the surface of

marine sediment inside the port.

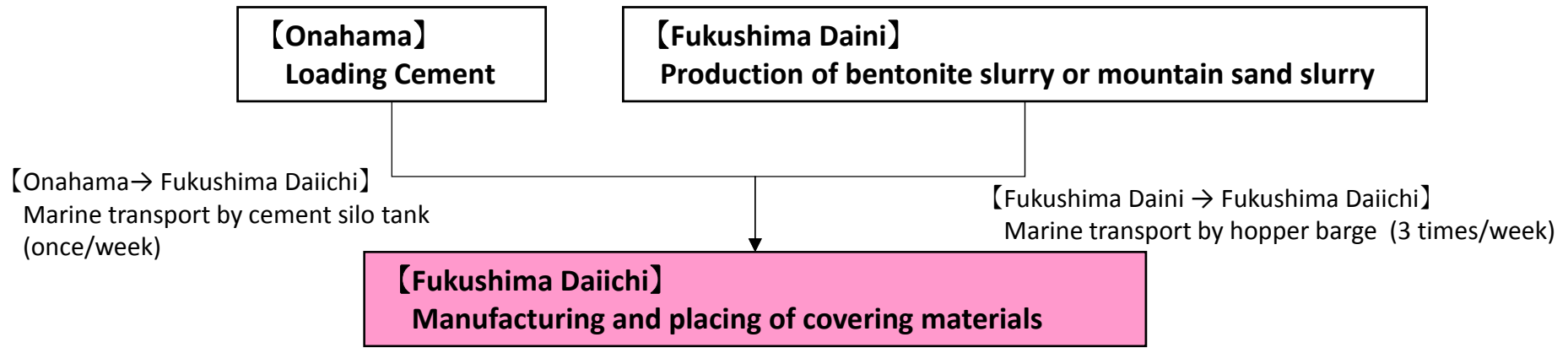
Covered area: Approx. 180,000 m²

The period: April 2014 ~ the end of March, 2015 [12 months] : be completed the spread prevention

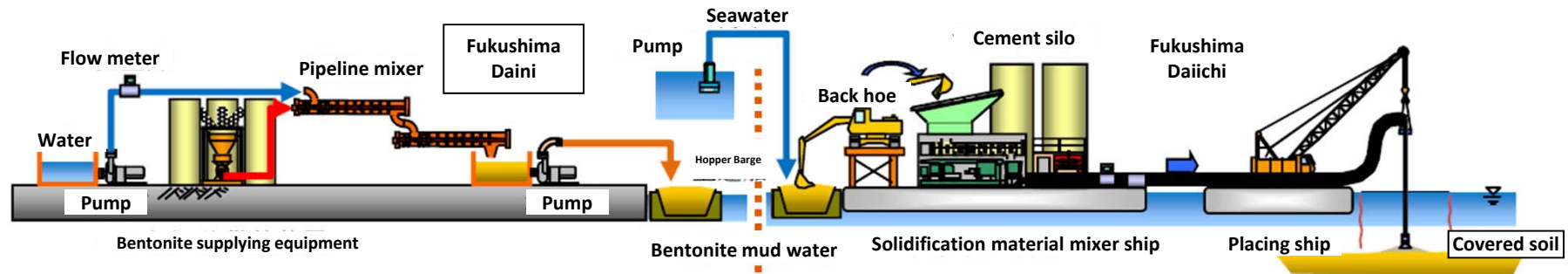
After April 2015: cover the soil to ensure the durability, as necessary.



2. Construction methods



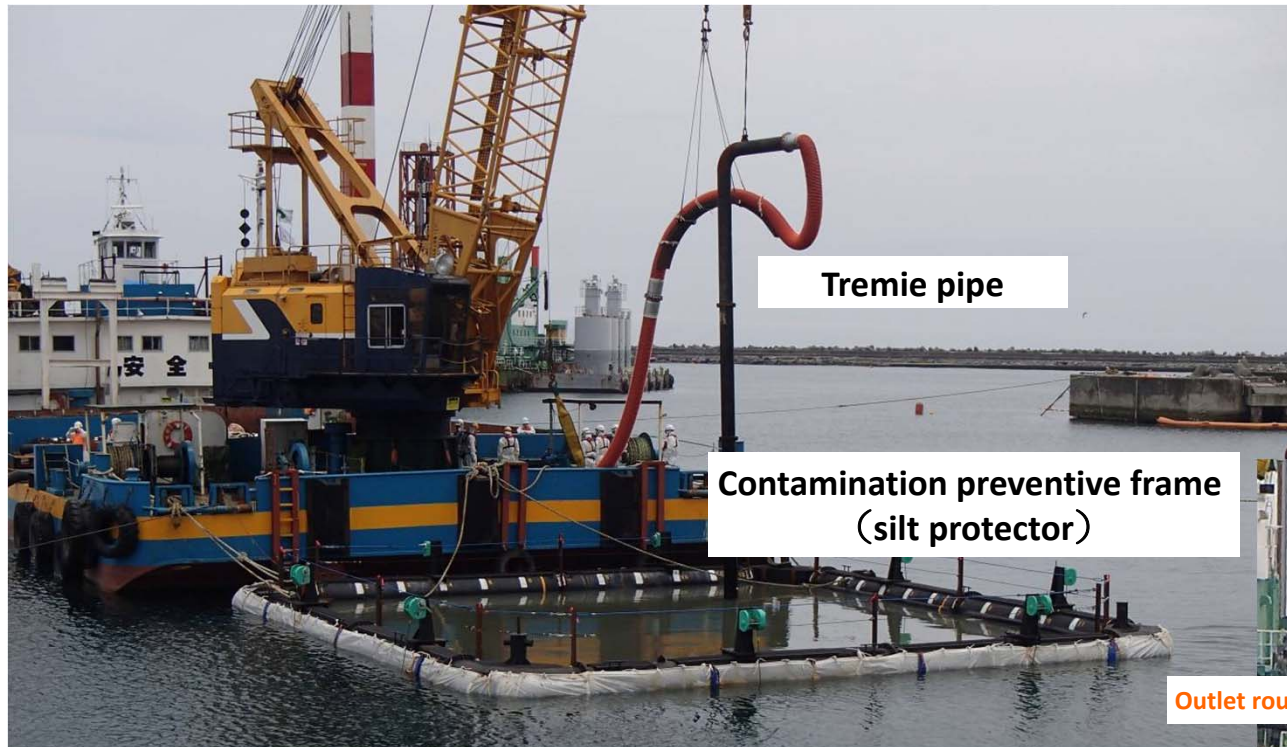
Marine construction system to which slurry plant is installed at Fukushima Daini



3. Construction (the Whole view)



4. Construction status (Expansion of placing spots)



Head of tremie pipe (outlet part of covering materials)
A device called Spreader is installed in order to outlet the materials to all directions equally while keeping sea-bottom soil settled.

5. Process

Preventive measures for spreading marine soil is planned to be completed by the end of FY2014. In FY2015, the consequence of the area completed in FY2014 will be reviewed, and start the construction of the second layer.

Process	FY2014		FY2015	
	1 st half period	2 nd half period	1 st half period	2 nd half period
Preparation (Plant installation, etc.)			▽ The end of March, 2015, Preventive measures for spreading marine soil, completed.	
Marine soil survey				
Compounding test				
Covering process	On site assembly of pipes, etc. 	Preventive measures for spreading marine soil 	Durability to be assured (as necessary) 	

Construction process is subject to change due to marine condition and the utilization status of the port in response to materials and equipment transportations