Overall Schedule for Tsunami Countermeasures Work at Hamaoka Nuclear Power Station (1/2)

Attachment

	FY2011				FY2012				FY2013			
	Apr. - June	July - Sept.	Oct. - Dec.	Jan. - Mar.	Apr. - June	July - Sept.	Oct. - Dec.	Jan. - Mar.	Apr. - June	July - Sept.	Oct. - Dec.	Jan. - Mar.
Flooding prevention measures 1 (prevent flooding on station site)												
◆Flooding prevention measures **Build sea wall on seaward side of station site**	▼Apr. 5 Begin (subsurface exploration, surveying, moving obstacles, etc.) ▼Nov. 8 Complete Study and preparation work		▼Sept. 22 Begin Main preparation work (installing steel sheet piles, removing obstacles, stabilizing soil, etc.) ▼Nov. 11 Begin Main work (foundation and walls)		▼Apr. 21 Complete			▽Complete setup of above-ground wall (scheduled) Incidental work (rust prevention)				
Build up dune embankment and east-west embankment at front of station site						Build embankment (dune embankment) Build embankment (east-west embankment)		▽Embankment building complete (scheduled) Incidental work (surface protection)				
◆Overflow countermeasures **Set up water barriers in seawater intake pump area**	▼Apr. 5 Begin Nos. 3, 4 Set up Nos. 3, 4, 5 water barriers			▼Jan. 11 Begin No. 5			Close discharge pit, discharge channel opening					
Close discharge pit, discharge channel opening												
Flooding prevention measures 2 (prevent flooding in buildings)												
◆Maintain seawater cooling function **Set up emergency seawater intake system (EWS)**			▼Oct. 13 Begin Preparation work	▼Jan. 28 Begin excavating for No. 5 pump chamber ▼Dec. 6 Begin excavating for No. 4 pump chamber ▼Nov. 24 Begin excavating for No. 3 pump chamber Set up new pump chamber (civil engineering work)				Install pumps, pipes, etc. (mechanical and electrical work) ▲June 30 Begin No. 3 mechanical and electrical work ▲July 12 Begin No. 4 mechanical and electrical work ▲July 17 Begin No. 5 mechanical and electrical work		Test (temporary power supply)		Test (Power supply on high ground)
Measures to keep flotsam out of water intake tanks							Measures to keep flotsam out					
◆Prevent flooding in buildings **Enhance reliability of waterproof doors in outer walls of buildings**	▼May 16 Begin ▼May 31 Complete measures to prevent flooding from Nos. 3-5 reactor building waterproof doors, etc.			▼Jan. 7 Begin Enhance reliability of waterproof doors								
Measures to prevent flooding from building outer walls' air supply/vents (openings)	▼May 2 Begin ▼May 31 Complete measures to prevent flooding from Nos. 4, 5 reactor buildings (air supply/vents)						Measures to prevent flooding from building outer walls' air supply/vents (openings) (concerning heat exchanger					
Measures to prevent flooding from building through-ways (improve seal)	▼May 2 Begin ▼May 31 Complete measures to prevent flooding from Nos. 3-5 reactor building pipe-through						Measures to prevent flooding from building through-ways (improve seal)					
Close underground pipe/duct inspection openings, entry doors							Close underground pipe/duct inspection openings, entry					
Strengthen building structure (Nos. 4, 5 seawater heat exchanger buildings)		▼July 26 Begin ▼Aug. 31 Complete measures to prevent flooding from heat exchanger building equipment hatch			▼June 11 Begin Nos. 4, 5 Measures to prevent flooding at outer walls of heat exchanger buildings, strengthen building							
◆Equipment room flooding prevention **Strengthen building drainage measures (set up drainage pumps)**						Install drainage pump, pipe, etc.						
Reinforce already installed watertight doors and add new ones				▼Mar. 1 Begin		Reinforce already installed watertight doors and add new ones						
Measures to prevent flooding from equipment room through-ways (improve seal)							Measures to prevent flooding from equipment room through-ways (improve seal)		(by setting up power panels, etc., on upper floors and high ground)			

Overall Schedule for Tsunami Countermeasures Work at Hamaoka Nuclear Power Station (2/2)