

Florida Power & Light – Permeation Grout

Jensen Beach, FL



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> • Installation of new headwall assembly for cooling water pipeline transition across Atlantic Ocean beachhead. • Sheetpile provided safe access for fabrication workers to weld bracing in place below the water table, but couldn't provide watertight seal around pipeline penetration. 	<ul style="list-style-type: none"> • Provide permeation grout pockets at sheetpile–pipeline interface to reduce permeability of the beach sands, effectively limiting seepage of sea water into the work area. • Install 550 gallons of hydrophobic permeation grout (de neef Hydro Active Soils™) utilizing 82 points by the strainer tube method. 	<ul style="list-style-type: none"> • Project was performed for facility owner Florida Power & Light in Jensen Beach, FL • Work was performed under contract to Schnabel Foundation Company, whom was subcontracted to Orion Marine Group. 	<ul style="list-style-type: none"> • Work was completed safely, successfully, on time and on budget. • Work was performed in accordance with the engineering design and performed successfully in managing seawater intrusion into the work area during construction.