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Subject **Daily Monitoring Report**

Client Eversource Energy **Date** November 7, 2019

Project Independent Environmental Monitoring, Little Bay Submarine Cable Installation, Seacoast Reliability Project

Project No. E2X85301 **File** Daily Monitoring Report_SRP Little Bay IEM_Cable 3 Install Day 1_11-7-19

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Copies to Gregg Comstock, NH DES
 David Price, NH DES
 Chris Nash, NH DES
 Kurt Nelson, Eversource Energy

WEATHER OBSERVATIONS				
TIME	WIND (DIRECTION AND SPEED [KTS])	VISIBILITY (NM)	PRECIPITATION (PREV. 24H)	COMMENTS
07:00	8 SW gusts to 15	>5 NM	-	39 °F; cloudy
13:00	10 SW gusts to 20	>5 NM	-	52 °F; cloudy
16:00	10 W gusts to 25	>5 NM	-	46 °F; cloudy

Summary of Work Activities (adopted from Durocher Marine Daily Report)

Activity	EDT	Marine Description
Cable Installation	700	Muster at Great Bay Marine and participate in daily operations and safety meeting with Durocher Marine crew.
	720	Arrive at barge 2002, prepare equipment
	800	Normandeau and IEM approval to proceed, taking up on anchor wires.

	810	Picking spuds, face up work t (Tug Jaguar); pumps on and up to 1300 RPM. Plow Station start 426+66
Cable Installation	820	Begin plowing
Cable Installation	938	Plow Station 435+90; power cable at 4500'; fiber cable at 3255m
	942	All stop for forward anchor change; Plow station 436+18; Approx. DMG = 952'.
	1045	Up on the spuds, pumps to 1300 RPM
Cable Installation	1050	Resuming plowing
	1129	Setback from 80' to 55' at plow sta. 438+57
	1220	Plow Station 441+80; Begin grade out
	1227	All stop on plow on plow and pump; End plow Station 442+80

Summary of Observations

Item	Observations and Notes
1	Jet plow operations – Cable 3 (southern alignment) installation by jet plow across Little Bay channel. Begin plowing at approximately 0820. Work tug and vessel was used to help steer Barge 2002 as well as for anchor changes, but no water quality issues reported by water quality monitoring team.
2	Water quality monitoring – Weather monitored for 72 hours before scheduled jet plow. No weather or wind concerns for IEM and WQ Team for scheduled Cable 3 installation across channel. No exceedances of BSAL reported at any of the boundary stations.

Turbidity Data Reports and Photographs

Turbidity (NTU) Reported and Observations
<p>Boundary Station Action Levels (BSAL) reported by Normandeau at 0945.</p> <p>Tidal: BSAL = 15 NTU</p> <p>Channel: BSAL = 15 NTU</p>

Turbidity (NTU) Reported and Observations



Cable 3 installation approaching the eastern landfall (Gundalow Landing). Port bow anchor wire in view and diver barge on the right side of the frame. Photo courtesy of Durocher Marine.

Summary of Work Stops, Modification and Other Operational changes requested by the IEM during Operations

Item	
1	IEM instructed Eversource and Durocher about corrective action regarding all work vessel movements during Cable #3 Installation to minimize turbidity. IEM provided DES a list of corrective actions prior to the approval for Cable 3 operations. This message was reiterated to the Operations Team prior to and during Cable 3 Installation activities.
2	Completion of jet plow installation activities.

Action Items

Item	
1	Cable installation by diver burial scheduled for the week of Sunday, November 10, 2019. Durocher Marine to demobilize the Barge 2002 and prepare for two diver operations for the eastern and western tidal flats.

I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my own inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate, and complete to the best of my knowledge and belief.

Signed: _____  _____

Jeffrey Nield
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Dated: November 12, 2019