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Subject **Daily Monitoring Report**

Client Eversource Energy **Date** October 17, 2019

Project Independent Environmental Monitoring, Little Bay Submarine Cable 1 Installation, Seacoast Reliability Project

Project No. E2X85301 **File** Daily Monitoring Report_SRP Little Bay IEM_Cable 1 Install 10-17-19

Prepared by Jeffrey Nield **Phone No.** 617-963-3109

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
08:00	20 SW 35 G	>5 NM	1.5 inches	52 °F, Rain
14:00	22 SW 36 G	>5 NM	1.5 inches	51 °F, Cloudy
17:00	17 NW 31 G	>5 NM	1.5 inches	46 °F, Rain and Clouds

Summary of Major Work Activities		Time
1	Continue plowing Cable #1 (Phase 3 conductor) across western tidal flat. Start jet plow. 43 p.s.i.; 11,900 lbs tension.	15:31
2	All stop. Move barges and correct alignment of cable.	16:00
3	Up on plow tension. 53 p.s.i.; 16,000 lbs. Setback start – 1,727'.	16:19
4	Plowing - 437' buried so far (155' buried yesterday).	16:57
5	All stop – for the day. Jet plow of course/obstructed and requires diver investigation (Final setback - 717' (Total cable distance for the day = estimated 1,010')	19:42

Summary of Observations

Item	Observations and Notes
1	Jet plow operations – Resume where plowing left off on 10-16-19. Durocher made alignment adjustments to barge, cable and wire. Possible plow obstruction causing misalignment of installation. Divers to investigate first thing in the morning.
2	Water quality monitoring – IEM and Normandeau conferred on weather situation at Great Bay Marine at 12:30. Agreed to navigate to Little Bay and determine conditions for water quality monitoring. Drone did not fly due to high winds and rain. No visual observations of plume because of IEM distance from jet plow. Reports of plume from start of jet plow from Normandeau. See turbidity reports below.

Turbidity Data Reports and IEM Actions/Responses

Turbidity (NTU) Reported	Time of Report	IEM Action/Response	Time of Response	Result
See below...				
Boundary Station Action Levels (BSAL) reported by Normandeau at Tidal: BSAL = 16 NTU Channel: BSAL = 13 NTU				

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

Item	
1	Based on reports from Normandeau to IEM, the IEM made a request to Eversource and Durocher to instruct work boats to slow down and use caution to minimize turbidity especially during water quality monitoring and building the reference database (i.e., pre jet plow water quality monitoring period).

Action Items

Item	
1	Made progress on Cable #1 but Durocher struggled with keeping the plow on alignment because of wind and current forces on cable and winch wire. Possible obstruction encountered and the decision was made to stop. Durocher to send divers onto the jet plow on 10/18/19 to investigation obstruction.
2	IEM organized a conference call at 08:30 with NH DES, Eversource and Normandeau to discuss weather outlook and monitoring plans for the day (Friday, October 18, 2019).

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: _____  _____

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Dated: October 17, 2019