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Subject **Daily Monitoring Report**

Client Eversource Energy **Date** October 18, 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 Removal 10-18-19

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 | 10 W gusts to 30 | >5 NM | 1"> | 46 °F; Mostly cloudy |
| 14:00 | 16 NW gusts to 25 | >5 NM | 1"> | 50 °F Mostly cloudy |
| 17:00 | 14 NW gusts to 25 | >5 NM | 1"> | 52 °F Mostly cloudy |

| Summary of Major Work Activities | | Time |
|---|--|-------------|
| 1 | Continue plowing Cable #1 (Phase 3 conductor) across western tidal flat. Start at Station 41+209. Setback of 719'. | 16:33 |
| 2 | Plowing – 465' of setback. | 17:04 |
| 3 | Jet sled at 52' of setback. Cable #1 installed on western tidal flat. All float bags removed from cable. Pause to reconfigure barges. Pull divers from water. | 16:22 |
| 4 | Durocher proposes to stop for the day at edge of channel and not continue to plow through the night because of uncertainty of crossing duration. IEM communicates with NAI and decision is made to wrap up monitoring and head in. | 18:25 |

Summary of Observations

| Item | Observations and Notes |
|------|---|
| 1 | Jet plow operations – Resume where plowing left off on 10-17-19. No obstruction was observed underneath or in the sled. Barge adjusted to correct cable and wire misalignment. IEM tracking progress of plow with station numbers and Google Earth based survey monitors. |
| 2 | Water quality monitoring – NH DES, IEM, Eversource and Normandeau conferred at 08:30 to discuss previous day and weather forecast. Parties agreed that water quality monitoring would continue as long as Normandeau boats could operate. IEM and Normandeau crew conferred at Great Bay Marine 14:30 to proceed based on reports that Little Bay was calmer than conditions at bay and forecast for diminishing winds. 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 = 15 NTU

Channel: BSAL = 16 NTU

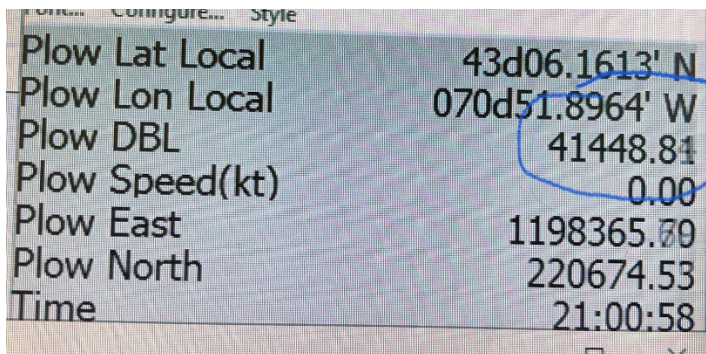
| Turbidity Monitoring Spreadsheet for SRP 2019 TIDAL STATIONS REFERENCE | | | | | | Turbidity Monitoring Spreadsheet for SRP 2019 CHANNEL STATIONS REFERENCE | | | | | | |
|--|---------------|------|------------|-------|-----------------------------------|--|---------------|-------|------------|-------|-----------------------------------|------|
| Station | Max Turbidity | | | | Average Reference Turbidity (NTU) | Station | Max Turbidity | | | | Average Reference Turbidity (NTU) | |
| | (NTU) | Date | Time | Depth | | | (NTU) | Date | Time | Depth | | |
| Nearfield | 10 | 6.60 | 10/17/2019 | 14:00 | S | 4.50 | 12 | 4.50 | 10/18/2019 | 14:50 | M | 3.42 |
| | 11 | 4.30 | 10/18/2019 | 15:45 | B | 3.39 | 13 | 4.10 | 10/18/2019 | 15:17 | B | 3.10 |
| | 14 | 2.70 | 10/16/2019 | 14:31 | M | 2.57 | 17 | 4.40 | 10/18/2019 | 15:00 | M | 3.55 |
| | 15 | 7.00 | 10/17/2019 | 14:06 | S | 4.95 | 18 | 3.60 | 10/18/2019 | 15:30 | S | 3.01 |
| | 16 | 4.70 | 10/18/2019 | 14:40 | S | 3.65 | 22 | 5.10 | 10/18/2019 | 14:39 | S | 2.81 |
| | 19 | 5.70 | 10/18/2019 | 16:00 | S | 3.72 | 24 | 4.30 | 10/18/2019 | 15:07 | B | 2.85 |
| Boundary | 21 | 3.80 | 10/17/2019 | 14:05 | M | 2.51 | 25 | 3.60 | 10/18/2019 | 15:19 | B | 2.38 |
| | 23 | 5.40 | 10/18/2019 | 14:56 | M | 3.23 | 27 | 7.20 | 10/17/2019 | 17:30 | M | 4.64 |
| | 26 | 5.40 | 10/18/2019 | 16:29 | S | 3.30 | 28 | 5.70 | 10/18/2019 | 15:35 | B | 3.60 |
| | 30 | 4.90 | 10/18/2019 | 15:50 | S | 3.40 | 29 | 6.10 | 10/18/2019 | 14:41 | B | 3.44 |
| Ref | 42 | 3.90 | 10/17/2019 | 17:50 | S | 2.57 | 41 | 2.20 | 10/18/2019 | 15:36 | S | 1.71 |
| | | | | | | | 43 | 17.40 | 10/17/2019 | 17:55 | S | 7.14 |

Reference data reports from NAI at 18:20.

| Turbidity (NTU) Reported | Time of Report | IEM Action/Response | Time of Response | Result |
|--------------------------|----------------|---------------------|------------------|--------|
|--------------------------|----------------|---------------------|------------------|--------|



Cable and float bag setup from work platform back of barge. Diver barge and tug (upper left), pump barge and work boat (upper center), work boat (left).



Example of screenshot recording time (UTC), station position (Plow DBL) and plow coordinates.

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

| Item | |
|------|---|
| 1 | No work modifications requested by the IEM due to water quality reports. IEM made regular reports to water quality monitoring onshore data coordinator. |

Action Items

| Item | |
|------|--|
| 1 | Completed installation of Cable #1 on western tidal flat. Stopped at the edge of the channel. Plan to start at 10:00 on 10-19-19 and complete installation across the channel. |

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 18, 2019