**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
**Region 1**
**5 Post Office Square, Suite 100**
**BOSTON, MA 02109-3912**

**VIA EMAIL**

December 20, 2017

Michael Zylich
Eversource Energy
247 Station Drive, SE270
Westwood, MA 02090
michael.zylich@eversource.com

Re: Authorization to discharge under the Remediation General Permit (RGP) – Authorization #MAG910758, for the Eversource Electrical Transmission Line Project site located in Charlestown and Boston, MA

Dear Mr. Zylich:

Based on the review of a Notice of Intent (NOI) dated November 29, 2017 submitted by Tighe & Bond, Inc. for the site referenced above, the U.S. Environmental Protection Agency, Region 1 (EPA) hereby authorizes NSTAR Electric Company d/b/a Eversource Energy, as the named owner, and as a named operator and co-permittee with Bond Brothers, to discharge from this site in accordance with the provisions of the RGP. Since this site has discharges to different receiving waters, separate authorizations have been issued. Discharges via the City of Boston storm sewer system[1] to Mystic River (MA71-03) are authorized by the number listed above. Discharges from this site to Mystic River (MA71-02) are subject to authorization #MAG910761. The effective date of coverage is the date of this authorization letter.

Enclosed with this RGP authorization to discharge is a summary of the applicable parameters and effluent limitations for your activity category III, contaminated site dewatering discharge. A dilution factor of zero (i.e., 1:1) was used in calculating effluent limits applicable to the proposed discharge from this site. Please note that this summary does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of the RGP, including influent and effluent monitoring, record keeping, and reporting requirements. For the complete general permit, see EPA's RGP website.[2] EPA notes that this site is authorized to use four discharge locations associated with the City of Boston storm sewer system. To meet the requirements of the RGP, the effluent monitoring location must be consistent with the discharge point from the mobile treatment system, prior to co-mingling with any other waste streams.

[1] The operator is responsible for obtaining permission to discharge to this system, prior to initiating discharges. EPA's authorization to discharge does not convey any such permission.
[2] https://www.epa.gov/npdes-permits/remediation-general-permit-rgp-massachusetts-new-hampshire.

This EPA general permit and authorization to discharge will expire on **April 8, 2022**, or upon Notice of Termination (NOT), whichever occurs first. However, in accordance with Part 5.3 of the general permit, your permit coverage will be administratively continued until issuance of a new RGP. Please note that you must submit a NOT within thirty (30) days of the termination of the discharge. You have reported your discharges are expected to terminate December 2019. Because your discharge is expected to last twelve (12) months or more, you are subject to discharge monitoring requirements that begin **January 1, 2019**. See Part 4.6 and 5.2 of the RGP, and Appendix IV, Part 3 for more information regarding reporting requirements.

In accordance with Part 2.2.1 of the RGP and using the calculation methodology included in Appendix V, EPA corrected the calculated WQBELs applicable to this proposed discharge. The cause of the calculation error was identified as the incorrect entry of the upstream flow and dilution factor in the fillable electronic format submitted with the NOI. Since the proposed discharge is to a saltwater receiving water, no dilution applies. The reason for these corrections is to determine the WQBELs that apply to the proposed discharge. Based on the revised calculations, your authorization to discharge includes revised WQBELs of 3.7 µg/L for total recoverable copper, 8.3 µg/L for total recoverable nickel, 86 µg/L for total recoverable zinc, 2.2 µg/L for diethylhexyl phthalate, and 0.0038 µg/L for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

Please ensure that sufficiently sensitive test methods are used for all sample analyses conducted for this permit. To be considered sufficiently sensitive, test methods must achieve MLs for analysis for a given parameter that is no greater than the effluent limitation for that parameter, unless otherwise specified in the RGP for that parameter. Where no effluent limitation applies, EPA has provided the ML required with the enclosed summary. Where a compliance level applies, EPA has specified the compliance level and provided the ML required with the enclosed summary.

Thank you in advance for your cooperation in this matter. Please contact Shauna Little at (617) 918-1989 or little.shauna@epa.gov, if you have any questions.

Sincerely,

Thelma Murphy

Thelma Murphy, Chief
Storm Water and Construction Permits Section

Enclosure

cc: Rick McKanas, Bond Brothers, via email
Gary W.T. Hedman, LSP, Tighe & Bond, Inc., via email
Michael E. Martin, Tighe & Bond, Inc., via email
Cathy Vakalopoulos, MassDEP, via email
Boston Water and Sewer Commission, via email

**Table 1: Authorization Information**

| | |
|---|---|
| **Permit Number** | MAG910758 |
| **Receiving Water** | Mystic River |
| **Outfall Number** | Outfall 001 to City of Boston |
| **Monitoring Frequency** | See Part 4.1.2 of the RGP |
| **Reporting Requirement** | See Part 4.6.1 of the RGP;<br>NetDMR requirements begin Jan 1, 2019 |

**Table 2: Chemical-Specific Effluent Limitations and Monitor-Only Requirements[1]**

| Parameter | Effluent Limitation |
|---|---|
| **A. Inorganics** | |
| Ammonia[2] | Report mg/L |
| Chloride[3] | Report µg/L |
| Total Suspended Solids | 30 mg/L |
| Antimony[4] | 206 µg/L |
| Arsenic[4] | 104 µg/L |
| Cadmium[4] | 10.2 µg/L |
| Chromium III[4] | 323 µg/L |
| Chromium VI[4] | 323 µg/L |
| Copper[4] | 3.7 µg/L |
| Iron[4] | 5,000 µg/L |
| Lead[4] | 160 µg/L |
| Mercury[4] | 0.739 µg/L |
| Nickel[4] | 8.3 µg/L |
| Selenium[4] | 235.8 µg/L |
| Silver[4] | 35.1 µg/L |
| Zinc[4] | 86 µg/L |
| **B. Non-Halogenated Volatile Organic Compounds** | |
| Total BTEX | 100 µg/L |
| Benzene | 5.0 µg/L |
| 1,4 Dioxane | 200 µg/L |
| Acetone | 7.97 mg/L |
| **C. Halogenated Volatile Organic Compounds** | |
| 1,2 Dichlorobenzene | 600 µg/L |
| Methylene Chloride | 4.6 µg/L |
| Tetrachloroethylene | 5.0 µg/L |
| **D. Non-Halogenated Semi-Volatile Organic Compounds** | |
| Total Phthalates | 190 µg/L |
| Diethylhexyl Phthalate | 2.2 µg/L |
| Total Group I Polycyclic Aromatic Hydrocarbons[5] | 1.0 µg/L |
| Benzo(a)anthracene[5] | 0.0038 µg/L |
| Benzo(a)pyrene[5] | 0.0038 µg/L |
| Benzo(b)fluoranthene[5] | 0.0038 µg/L |
| Benzo(k)fluoranthene[5] | 0.0038 µg/L |

| | |
|---|---|
| Chrysene[5] | 0.0038 µg/L |
| Dibenzo(a,h)anthracene[5] | 0.0038 µg/L |
| Indeno(1,2,3-cd)pyrene[5] | 0.0038 µg/L |
| Total Group II Polycyclic Aromatic Hydrocarbons | 100 µg/L |
| **F. Fuels Parameters** | |
| tert-Butyl Alcohol | 120 µg/L |

**Table 2 Notes:**

[1] The following abbreviations are used in Table 2, above:
- [a] mg/L = milligrams per liter
- [b] µg/L = micrograms per liter

[2] The minimum level (ML) for analysis of ammonia must be less than or equal to 0.1 mg/L.

[3] The ML for analysis of chloride must be less than or equal to 230 mg/L.

[4] The limitation for this parameter is on the basis of total recoverable metal in the water column.

[5] The compliance level for group I polycyclic aromatic hydrocarbons (PAHs) is 0.1 µg/L. The ML for analysis of group I PAHs must be less than or equal to 0.1 µg/L.

**Table 3: Effluent Flow Limitation**

| **Effluent Flow** | **Effluent Limitation** |
|---|---|
| | 0.504 MGD |

**Table 3 Notes**

[1] The following abbreviations are used in Table 3, above:
- [a] MGD = million gallons per day

**Table 4: pH Limitations for Discharges in Massachusetts**

| **Receiving Water Class** | **Effluent Limitation** |
|---|---|
| Saltwater | 6.5 to 8.5 SU |

**Table 4 Notes**

[1] The following abbreviations are used in Table 4, above:
- [a] SU = standard units