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

VIA EMAIL

October 5, 2017

Max Gates
L.M. Heavy Civil Construction, LLC
100 Hancock Street, Suite 901
Quincy, MA 02171
mgates@lmheavycivil.com

Re: Authorization to discharge under the Remediation General Permit (RGP) – Authorization # MAG910751, for the MBTA Wollaston Station site located in Quincy, MA

Dear Mr. Gates:

Based on the review of a Notice of Intent (NOI) dated August 25, 2017 submitted by Coughlin Environmental Services, LLC for the site referenced above, the U.S. Environmental Protection Agency, Region 1 (EPA) hereby authorizes L.M. Heavy Civil Construction, LLC, as the named operator, to discharge in accordance with the provisions of the RGP from this site via the City of Quincy storm sewer system[1] and/or directly to Quincy Bay (MA70-05). The authorization number is listed above. 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]

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 last less than twelve (12) months. Because your discharge is not expected to last twelve (12) months or more, EPA expects you will not to be subject to NetDMR reporting requirements. See Part 4.6 and 5.2 of the RGP, and Appendix IV, Part 3 for more information regarding reporting requirements.

[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.

In accordance with Part 2.2.1 of the RGP and using the calculation methodology included in Appendix V, EPA corrected the calculated water quality-based effluent limitations (WQBELs) applicable to this proposed discharge. The cause of the calculation error was identified as the incorrect entry of the discharge flow and influent concentration for multiple parameters in the fillable electronic format submitted with the NOI and included in Appendix C. These values were corrected to the maximum discharge flow and maximum influent concentrations reported in the NOI. The reason for this correction is to determine the WQBELs that apply to the proposed discharge. Based on the revised calculations, your authorization to discharge includes additional WQBELs for total recoverable zinc of 86 µg/L, and methyl-tert-butyl ether of 20 µg/L.

In accordance with Part 2.2.4 of the RGP, your authorization to discharge includes an additional monitor-only requirement for total cyanide. The reason for this additional monitoring requirement is because the minimum level(s) of the data submitted with your NOI, 10 µg/L, exceeds the minimum level required in Part 2.1.1 of the RGP, 5 µg/L. Your authorization to discharge also includes an additional monitor-only requirement for chlorobenzene. This additional monitoring requirement is being required in accordance with Part 2.2.3.c, Part 2.2.4, and/or Part 2.3.3.c of the RGP because you disclosed that this contaminant is present at the site. This letter provides this additional condition in writing. Monitoring for chlorobenzene shall be conducted in conjunction with the monitoring required for the other parameters applicable in Part 2.1.1 of the RGP. Any test method in 40 CFR Part 136 may be used for analysis of chlorobenzene. These monitoring requirements may be reduced or eliminated in the future in accordance with Part 5.1.2.a. of the RGP.

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 minimum levels 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: Daniel J. Coughlin, PE, Coughlin Environmental Services, LLC, via email
Cathy Vakalopoulos, MassDEP, via email
City of Quincy Public Works Department, via email

Table 1: Authorization Information

Permit Number	MAG910751
Receiving Water	Quincy Bay
Outfall Number	Outfall 001 and Outfall 001 to City of Quincy
Monitoring Frequency	See Part 4.1.2 of the RGP
Reporting Requirement	See Part 4.6.1 of the RGP; NetDMR not required

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 g/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
Cyanide[5]	Report µg/L
C. Halogenated Volatile Organic Compounds	
Trichloroethylene	5.0 µg/L
D. Non-Halogenated Semi-Volatile Organic Compounds	
Total Group I Polycyclic Aromatic Hydrocarbons[6]	1.0 µg/L
Benzo(a)anthracene[6]	0.0038 µg/L
Benzo(a)pyrene[6]	0.0038 µg/L
Benzo(b)fluoranthene[6]	0.0038 µg/L
Benzo(k)fluoranthene[6]	0.0038 µg/L
Chrysene[6]	0.0038 µg/L
Dibenzo(a,h)anthracene[6]	Report µg/L
Indeno(1,2,3-cd)pyrene[6]	Report µg/L
Total Group II Polycyclic Aromatic Hydrocarbons	100 µg/L
F. Fuels Parameters	
Total Petroleum Hydrocarbons	5.0 mg/L
Methyl-tert-butyl Ether	20 µg/L
tert-butyl Alcohol	120 µg/L

Additional Parameters	
Chlorobenzene[7]	Report 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 ML for analysis of total cyanide must be less than or equal to 5.0 µg/L.

[6] 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.

[7] The ML for analysis of chlorobenzene must be less than or equal to 100 µg/L.

Table 3: Effluent Flow Limitation

Effluent Flow	**Effluent Limitation**
	0.1008 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