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

VIA EMAIL

December 14, 2017

Zehra Schneider Graham
University of Massachusetts-Boston
225 Franklin Street, 12th Floor
Boston, MA 02110
zehra@umb.edu

Re: Authorization to discharge under the Remediation General Permit (RGP) – Authorization #MAG910649, for the University of Massachusetts-Boston Utility Corridor and Roadway Relocation (UCRR) Project site located in Boston, MA

Dear Ms. Graham:

Based on the review of a Notice of Intent (NOI) dated December 1, 2017 submitted by GZA Geoenvironmental, Inc. for the site referenced above, the U.S. Environmental Protection Agency, Region 1 (EPA) hereby authorizes University of Massachusetts-Boston, as the named owner, and as a named operator and co-permittee with Bond Brothers, to discharge in accordance with the provisions of the RGP from this site via the City of Boston storm sewer system[1] to Dorchester Bay (MA70-03). 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 terminate August 2018. Because your discharges are not expected to last twelve (12) months or more, EPA expects you will not to be subject to NetDMR 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.

See Part 4.6 and 5.2 of the RGP, and Appendix IV, Part 3 for more information regarding reporting requirements.

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, Chief
Storm Water and Construction Permits Section

Enclosure

cc: Elio DiBiase, Bond Brothers, via email
Lawrence Feldman, LSP, PhD, GZA Geoenvironmental, Inc., via email
Andrew Sargent, EIT, GZA Geoenvironmental, Inc., via email
Randy Meuse, GZA Geoenvironmental, Inc., via email
Cathy Vakalopoulos, MassDEP, via email
Boston Water and Sewer Commission, via email

Table 1: Authorization Information

Permit Number	MAG910649
Receiving Water	Dorchester Bay
Outfall Number	Outfalls 001, 002, 003, 004, 005, 006, 007, and 008 to City of Boston
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]	8.9 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]	8.5 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	
1,4 Dioxane[5]	200 µg/L
Acetone	7.97 mg/L
C. Halogenated Volatile Organic Compounds	
1,4 Dichlorobenzene	5.0 µg/L
Trichloroethylene	5.0 µg/L
D. Non-Halogenated Semi-Volatile Organic Compounds	
Total Group I Polycyclic Aromatic Hydrocarbons[5]	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]	0.0038 µg/L
Indeno(1,2,3-cd)pyrene[6]	0.0038 µg/L
Total Group II Polycyclic Aromatic Hydrocarbons	100 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 1,4 dioxane must be less than or equal to 50 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.

Table 3: Effluent Flow Limitation

Effluent Flow	**Effluent Limitation**
	0.216 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