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

VIA EMAIL

August 18, 2017

Cate Crompton
Harvard Engineering and Utilities
46 Blackstone Street
Cambridge, MA 02139
cate_crompton@harvard.edu

Re: Authorization to discharge under the Remediation General Permit (RGP) – Authorization # MAG910735, for the Smith Center Chilled Water Extension site located in Cambridge, MA

Dear Ms. Crompton:

Based on the review of a Notice of Intent (NOI) dated July 26, 2017 submitted by Haley & Aldrich, Inc. for the site referenced above, the U.S. Environmental Protection Agency, Region 1 (EPA) hereby authorizes President and Fellows of Harvard College (Harvard) acting by and through Harvard Engineering and Utilities, 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 Cambridge storm sewer system[1] to the Charles River (MA72-36). 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 74.6, approved by the Massachusetts Department of Environmental Protection, 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. Please ensure that sufficiently sensitive test methods are used for all sample analyses conducted for this permit. 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 will terminate in December 2017. Because your discharge is not expected to last twelve

[1] The operator is responsible for obtaining permission to discharge to these systems, prior to initiating discharges. EPA's authorization to discharge does not convey any such permission.
[2] http://www.epa.gov/region1/npdes/rgp.html.

(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.

In accordance with Part 2.2.4 of the RGP, your authorization to discharge also includes additional monitor-only requirements for group I polycyclic aromatic hydrocarbons (PAHs). The reason for these additional monitoring requirements is because the minimum level(s) of the data submitted with your NOI, 0.2 µg/L, exceeds the minimum level required in Part 2.1.1 of the RGP, 0.1 µg/L. 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.

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: John Harmon, Bond Brothers, via email
Katherine L. Dilawari, PE, LSP, Haley & Aldrich, Inc., via email
Lindsey R. Howard, EIT, Haley & Aldrich, Inc., via email
Cathy Vakalopoulos, MassDEP, via email
City of Cambridge Department of Public Works

Table 1: Authorization Information

Permit Number	MAG910735
Receiving Water	Charles River
Outfall Number	Outfall 001 to City of Cambridge D21OF0000
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 µg/L
Chromium VI[4]	323 µg/L
Copper[4]	242 µg/L
Iron[4]	5,000 µg/L
Lead[4]	160 µg/L
Mercury[4]	0.739 µg/L
Nickel[4]	1,450 µg/L
Selenium[4]	235.8 µg/L
Silver[4]	35.1 µg/L
Zinc[4]	420 µg/L
D. Non-Halogenated Semi-Volatile Organic Compounds	
Total Group I Polycyclic Aromatic Hydrocarbons[5]	Report µg/L
Benzo(a)anthracene[5]	Report µg/L
Benzo(a)pyrene[5]	Report µg/L
Benzo(b)fluoranthene[5]	Report µg/L
Benzo(k)fluoranthene[5]	Report µg/L
Chrysene[5]	Report µg/L
Dibenzo(a,h)anthracene[5]	Report µg/L
Indeno(1,2,3-cd)pyrene[5]	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 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**
Freshwater	6.5 to 8.3 SU

Table 4 Notes

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