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

VIA EMAIL

July 25, 2017

Jason Seaburg
Suffolk Construction Company, Inc.
65 Allerton Street
Boston, MA 02119
jseaburg@suffolk.com

Re: Authorization to discharge under the Remediation General Permit (RGP) – Authorization # MAG910718, for the Boston Children's Hospital Clinical Building (BCCB) site located in Boston, MA

Dear Mr. Seaburg:

Based on the review of a Notice of Intent (NOI) dated June 15, 2017 submitted by Haley & Aldrich, Inc. for the site referenced above, the U.S. Environmental Protection Agency, Region 1 (EPA) hereby authorizes Suffolk Construction Company, Inc., as the named operator, to discharge in accordance with the provisions of the RGP from this site via the City of Boston storm sewer system[1] to the Muddy River (MA72-11). 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 5.62, 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 August 2019. Because your discharge is expected to last twelve (12) months or more, you are subject to discharge monitoring requirements that begin **August 1, 2018**. See

[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] http://www.epa.gov/region1/npdes/rgp.html.

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

Your authorization to discharge includes additional conditions necessary to ensure discharges from your site will meet the Massachusetts surface water quality standards. The additional conditions include a monitor-only requirement for each of the following parameters: 1) chloroform; 2) chloromethane; and 3) trichlorofluoromethane. These additional monitoring requirements are being required in accordance with Part 2.2.3.c, Part 2.2.4, and Part 2.4.3.c of the RGP because you disclosed that these contaminants are present at the site. This letter provides these additional conditions in writing. Monitoring for these parameters 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 these parameters.

In accordance with Part 2.2.4 of the RGP, your authorization to discharge also includes additional monitor-only requirements for methylene chloride and 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, 5 µg/L for methylene chloride and 0.2 µg/L for PAHs, exceeds the minimum levels required in Part 2.1.1 of the RGP, 4.6 µg/L for methylene chloride and 0.1 µg/L for PAHs. 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: Keith E. Johnson, PE, LSP, Haley & Aldrich, Inc., via email
Justin M. Thibault, Haley & Aldrich, Inc., via email
Cathy Vakalopoulos, MassDEP, via email
Boston Water & Sewer Commission

Table 1: Authorization Information

Permit Number	MAG910718
Receiving Water	Muddy River
Outfall Number	Outfall 001 to City of Boston DO 045
Monitoring Frequency	See Part 4.1.2 of the RGP
Reporting Requirement	See Part 4.6.1 of the RGP; NetDMR requirement begins Aug 1, 2018

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
Cyanide	178 mg/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	
Carbon Tetrachloride	4.4 µg/L
1,1-Dichloroethane	70 µg/L
Methylene Chloride	Report µg/L
Trichloroethylene	5.0 µg/L
Tetrachloroethylene	5.0 µg/L
cis-1,2-Dichloroethylene	70 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
Total Group II Polycyclic Aromatic Hydrocarbons	100 µg/L
Naphthalene	20 µg/L
F. Fuels Parameters	
Methyl-tert-Butyl Ether	70 µg/L
Other Parameters	
Chloroform	Report µg/L
Chloromethane	Report µg/L
Trichlorofluoromethane	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**
	0.144 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