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

VIA EMAIL

November 13, 2017

Ken Felton
Tishman Construction Corporation of Massachusetts
One Federal Street, Floor #9
Boston, MA 02110
ken.felton@aecom.com

Re: Authorization to discharge under the Remediation General Permit (RGP) – Authorization #MAG910755, for the Government Center Garage site located in Boston, MA

Dear Mr. Felton:

Based on the review of a Notice of Intent (NOI) dated September 26, 2017 submitted by The Vertex Companies, Inc. for the site referenced above, the U.S. Environmental Protection Agency, Region 1 (EPA) hereby authorizes Tishman Construction Corporation of Massachusetts, 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 Charles River (MA72-38). 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 132, 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. 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 twelve (12) months or more. Because your discharge is expected to last twelve (12) months or more, you are subject to discharge monitoring requirements that begin **December 1, 2018**. 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.

Your authorization to discharge includes the following additional conditions: 1) A monitor-only requirement for chloroform; and 2) A monitor-only requirement for alpha-endosulfan. These additional monitoring requirements are being required in accordance with Part 2.2.3.c, Part 2.2.4, and Part 2.3.3.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 chloroform and alpha-endosulfan 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 chloroform (e.g., 624) and alpha-endosulfan (e.g., 608).

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 (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.

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: Paul Crisalli, Bulfinch WPB1, via email
Jessica Fox, PE, the Vertex Companies, Inc., via email
Jesse Freeman, PE, the Vertex Companies, Inc., via email
Elizabeth Phelps, the Vertex Companies, Inc., via email
Cathy Vakalopoulos, MassDEP, via email
Matthew Tuttle, Boston Water & Sewer Commission, via email

GENERAL PERMIT FOR REMEDIATION ACTIVITY DISCHARGES

Table 1: Authorization Information

Permit Number	MAG910755
Receiving Water	Charles River
Outfall Number	Outfall 001 to City of Boston Outfall No. 49
Monitoring Frequency	See Part 4.1.2 of the RGP
Reporting Requirement	See Part 4.6.1 of the RGP; NetDMR requirements begin Dec 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 g/L
Chromium VI[4]	323 µg/L
Copper[4]	1.9 µg/L
Iron[4]	5,000 µg/L
Lead[4]	0.31 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
B. Non-Halogenated Volatile Organic Compounds	
Phenol	1,080 µg/L
D. Non-Halogenated Semi-Volatile Organic Compounds	
Total Group I Polycyclic Aromatic Hydrocarbons[5]	1.0 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
E. Halogenated Semi-Volatile Organic Compounds	
Total Phthalates	190 µg/L
Diethylhexyl Phthalate	101 µg/L
F. Fuels Parameters	
Total Petroleum Hydrocarbons	5.0 mg/L
Other Parameters	

Chloroform[6]	Report µg/L
Endosulfan I[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 group I polycyclic aromatic hydrocarbons must be less than or equal to 0.1 µg/L.

[6] The ML for analysis of chloroform must be less than or equal to 60 µg/L.

[7] The ML for analysis of alpha-endosulfan must be less than or equal to 0.05 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