



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

**VIA EMAIL**

April 17, 2017

Richard Foote  
Turner Construction Company  
238 Main Street, Suite 402  
Cambridge, MA 02142  
Rfoote@tcco.com

Re: Authorization to discharge under the Remediation General Permit (RGP) – Authorization # MAG910699, for the Kendall Square, South of Main (SOMA) site located in Cambridge, MA

Dear Mr. Foote:

Based on the review of a Notice of Intent (NOI) that was submitted by McPhail Associates, LLC as revised March 28, 2017 for the site referenced above, the U.S. Environmental Protection Agency, Region 1 (EPA) hereby authorizes Turner Construction Company, as the named Operator, to discharge in accordance with the provisions of the RGP from this site via City of Cambridge storm drain (D04)<sup>1</sup> to the Charles River. 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 131.82, approved by the Massachusetts Department of Environmental Protection (MassDEP), 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.<sup>2</sup>

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 March, 2020. Because your discharge is expected to last twelve (12) months or more, you are subject to discharge monitoring requirements that begin **May 1, 2018**. See Part 5.2 of the RGP and Appendix IV, Part 3 for more information.

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<sup>1</sup> 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.

<sup>2</sup> <http://www.epa.gov/region1/npdes/rgp.html>.

In accordance with Part 2.2.4 of the RGP, your authorization to discharge includes an additional monitor-only requirement for group 1 polycyclic aromatic hydrocarbons (PAHs). The reason for this additional monitoring requirement is because the minimum level required for Group 1 PAHs in Part 2.1.1 of the RGP, 0.1 µg/L, was not met in the analyses submitted with your NOI. This monitoring requirement 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 MLs for a given parameter that is less than or equal to the effluent limitation 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](mailto:little.shauna@epa.gov), if you have any questions.

Sincerely,



Thelma Murphy, Chief  
Storm Water and Construction Permits Section

Enclosure

cc: Seth Alexander, Massachusetts Institute of Technology, via email  
Alison Eliot, McPhail Associates, LLC, via email  
William Burns, McPhail Associates, LLC, via email  
Cathy Vakalopoulos, MassDEP, via email  
City of Cambridge Department of Public Works

## GENERAL PERMIT FOR REMEDIATION ACTIVITY DISCHARGES

**Table 1: Authorization Information**

<b>Permit Number</b>	MAG910699
<b>Receiving Water</b>	Charles River
<b>Outfall Number</b>	Outfall 001 to City of Cambridge D04
<b>Monitoring Frequency</b>	See Part 2.1.2 of the RGP
<b>Reporting Requirement</b>	See Part 4.6.1.a of the RGP; NetDMR requirement begins May 1, 2018

**Table 2: Chemical-Specific Effluent Limitations and Monitor-Only Requirements<sup>1</sup>**

<b>Parameter</b>	<b>Effluent Limitation</b>
<b>A. Inorganics</b>	
Ammonia <sup>2</sup>	Report mg/L
Chloride <sup>3</sup>	Report µg/L
Total Suspended Solids	30 mg/L
Antimony	206 µg/L
Arsenic	104 µg/L
Cadmium	10.2 µg/L
Chromium III	323 µg/L
Chromium VI	323 µg/L
Copper	242 µg/L
Iron	5,000 µg/L
Lead	160 µg/L
Mercury	0.739 µg/L
Nickel	1,450 µg/L
Selenium	235.8 µg/L
Silver	35.1 µg/L
Zinc	420 µg/L
Cyanide	178 mg/L
<b>B. Non-Halogenated Volatile Organic Compounds</b>	
Total BTEX	100 µg/L
<b>C. Halogenated Volatile Organic Compounds</b>	
cis-1,2 Dichloroethylene	70 µg/L
<b>D. Non-Halogenated Semi-Volatile Organic Compounds</b>	
Total Group I Polycyclic Aromatic Hydrocarbons <sup>4</sup>	Report µg/L
Benzo(a)anthracene <sup>4</sup>	Report µg/L
Benzo(a)pyrene <sup>4</sup>	Report µg/L
Benzo(b)fluoranthene <sup>4</sup>	Report µg/L
Benzo(k)fluoranthene <sup>4</sup>	Report µg/L
Chrysene <sup>4</sup>	Report µg/L
Dibenzo(a,h)anthracene <sup>4</sup>	Report µg/L
Indeno(1,2,3-cd)pyrene <sup>4</sup>	Report µg/L
Total Group II Polycyclic Aromatic Hydrocarbons	100 µg/L

**Table 2 Notes:**

<sup>1</sup> The following abbreviations are used in Table 2, above:

<sup>a</sup> mg/L = milligrams per liter

<sup>b</sup> µg/L = micrograms per liter

<sup>2</sup> The minimum level (ML) for analysis of ammonia must be less than or equal to 0.1 µg/L.

<sup>3</sup> The ML for analysis of chloride must be less than or equal to 230 mg/L.

<sup>4</sup> The ML for analysis of Group I PAHs must be less than or equal to 0.1 µg/L.

**Table 3: Effluent Flow Limitation**

<b>Effluent Flow</b>	<b>Effluent Limitation</b>
	0.144 MGD

**Table 3 Notes**

<sup>1</sup> The following abbreviations are used in Table 3, above:

<sup>a</sup> MGD = million gallons per day

**Table 4: pH Limitations for Discharges in Massachusetts**

<b>Receiving Water Class</b>	<b>Effluent Limitation</b>
Freshwater	6.5 to 8.3 SU

**Table 4 Notes**

<sup>1</sup> The following abbreviations are used in Table 4, above:

<sup>a</sup> SU = standard units