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

VIA EMAIL

November 28, 2017

Dave Martin
CBRE/New England
One Marina Park Drive
Boston, MA 02210
dave.martin@cbre-ne.com

Re: Authorization to discharge under the Remediation General Permit (RGP) – Authorization #MAG910606, for the 100 Northern Avenue site located in Boston, MA

Dear Mr. Martin:

Based on the review of a Notice of Intent (NOI) dated November 8, 2017 submitted by McPhail Associates, LLC for the site referenced above, the U.S. Environmental Protection Agency, Region 1 (EPA) hereby authorizes CBRE/New England, 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] and/or directly to Boston Inner Harbor (MA70-02). 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 last permanently. 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.

In accordance with Part 2.2.1 of the RGP and using the calculation methodology included in Appendix V, EPA corrected the calculated water quality-based effluent limitations (WQBELs) applicable to this proposed discharge. The cause of the calculation error was identified as the incorrect entry of the influent concentrations for one or more parameters and the upstream and discharge flow values in the fillable electronic format submitted with the NOI. These values were corrected to the maximum influent concentrations reported in the NOI, zero upstream flow and the maximum discharge flow. The reason for these corrections is to determine the WQBELs that apply to the proposed discharge. Based on the revised calculations, your authorization to discharge includes a revised WQBEL for total recoverable copper of 3.7 µg/L and an additional WQBEL for total recoverable zinc of 86 µg/L, and total cyanide of 1.0 µg/L.

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 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: James Heighton, 100 Northern Ave, LLC, via email
William J. Burns, LSP, McPhail Associates, LLC, via email
Kirk W. Seaman, McPhail Associates, LLC, via email
Cathy Vakalopoulos, MassDEP, via email
Boston Water and Sewer Commission, via email

Table 1: Authorization Information

Permit Number	MAG910606
Receiving Water	Boston Inner Harbor
Outfall Number	Outfall 001 to City of Boston SDO 15 and/or Directly
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 µg/L
Chromium VI[4]	323 µg/L
Copper[4]	3.7 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]	86 µg/L
Cyanide[5]	1.0 µg/L
D. Non-Halogenated Semi-Volatile Organic Compounds	
Total Group I Polycyclic Aromatic Hydrocarbons[5]	1.0 µg/L
Benzo(a)anthracene[6]	Report µg/L
Benzo(a)pyrene[6]	Report µg/L
Benzo(b)fluoranthene[6]	Report µg/L
Benzo(k)fluoranthene[6]	Report µg/L
Chrysene[6]	Report µg/L
Dibenzo(a,h)anthracene[6]	Report µg/L
Indeno(1,2,3-cd)pyrene[6]	Report µg/L
Total Group II Polycyclic Aromatic Hydrocarbons	100 µg/L
E. Halogenated Semi-Volatile Organic Compounds	
Total Polychlorinated Biphenyls[7]	0.000064 µg/L
F. Fuels Parameters	
Total Petroleum Hydrocarbons	5.0 mg/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 compliance level for total cyanide is 5.0 µg/L. The ML for analysis of total cyanide must be less than or equal to 5.0 µg/L.

[6] The ML for analysis of group I polycyclic aromatic hydrocarbons must be less than or equal to 0.1 µg/L.

[7] The compliance level for total polychlorinated biphenyls (PCBs) is 0.5 µg/L. The ML for analysis of total PCBs must be less than or equal to 0.5 µg/L.

Table 3: Effluent Flow Limitation

Effluent Flow	**Effluent Limitation**
	0.0504 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