



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 1

**5 Post Office Square, Suite 100
BOSTON, MA 02109-3912**

VIA EMAIL

September 14, 2017

Rick Mandile
Sage Environmental, Inc.
172 Armistice Boulevard
Pawtucket, RI 02838
rmandile@sage-enviro.com

Re: Notice of Change under the Remediation General Permit (RGP) – Authorization
MAG910710, for the Cushing Village site located in Belmont, MA

Dear Mr. Mandile:

Based on the review of a Notice of Change (NOC) dated September 13, 2017 for the site referenced above, the U.S. Environmental Protection Agency, Region 1 (EPA) hereby provides written approval for the following changes:

1. Request for change in authorized pollutants or pollutant parameters. Total cyanide, total BTEX, benzene, trichloroethylene, tetrachloroethylene, cis-1,2 dichloroethylene, vinyl chloride, total petroleum hydrocarbons, and methyl-*tert*-butyl ether have been added to the authorization to discharge for this site.

The effective date of this change is the date of this letter, unless otherwise stated.

Enclosed with this letter is a revised 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 of these parameters from this site. In accordance with Part 2.2.1 of the RGP and using the calculation methodology included in Appendix V, EPA calculated the applicable water quality-based effluent limitation (WQBEL). Based on these calculations, which used an influent concentration of 104 µg/L for total cyanide, your authorization to discharge includes a WQBEL for total cyanide of 5.2 µg/L.

Please note that the remaining requirements of the authorization to discharge issued on June 19, 2017 remain unchanged. For the complete general permit, see EPA's RGP website.¹

¹ <https://www.epa.gov/npdes-permits/remediation-general-permit-rgp-massachusetts-new-hampshire>.

Thank you in advance for your cooperation in this matter. Please contact me at (617) 918-1989 or little.shauna@epa.gov, if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Thelma Murphy".

Thelma Murphy, Chief
Storm Water and Construction Permits Section

Enclosure

cc: William Lovett, Belmont Residential, LLC, via email
Jacob Butterworth, MS, LSP, Sage Environmental, Inc., via email
John Meyer, LSP, LEP, Sage Environmental, Inc., via email
Cathy Vakalopoulos, MassDEP, via email
Belmont Department of Public Works

GENERAL PERMIT FOR REMEDIATION ACTIVITY DISCHARGES

Table 1: Authorization Information

Permit Number	MAG910710
Receiving Water	Wellington Brook
Outfall Number	Outfall 001
Monitoring Frequency	See Part 4.1.2 of the RGP
Reporting Requirement	See Part 4.6.1.b of the RGP; NetDMR requirements begin July 1, 2018

Table 2: Chemical-Specific Effluent Limitations and Monitor-Only Requirements¹

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 ⁵	5.2 µg/L
B. Non-Halogenated Volatile Organic Compounds	
Total BTEX	100 µg/L
Benzene	5.0 µg/L
C. Halogenated Volatile Organic Compounds	
Trichloroethylene	5.0 µg/L
Tetrachloroethylene	5.0 µg/L
cis-1,2 Dichlorethylene	70 µg/L
Vinyl Chloride	2.0 µg/L
F. Fuels Parameters	
Total Petroleum Hydrocarbons	5.0 mg/L
Methyl-tert-Butyl Ether	70 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 total cyanide must be less than or equal to 5.0 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