



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 1

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

VIA EMAIL

September 11, 2017

Kim McCrady
Colonial Oil
8 Emerson Avenue
Chelmsford, MA 01824
colonialoil@yahoo.com

Re: Authorization to discharge under the Remediation General Permit (RGP) – Authorization # MAG910747, for the Colonial Oil site located in Chelmsford, MA

Dear Ms. McCrady:

Based on the review of a Notice of Intent (NOI) dated August 19, 2017 submitted by Web Engineering Associates, Inc. for the site referenced above, the U.S. Environmental Protection Agency, Region 1 (EPA) hereby authorizes Colonial Oil, as the named operator, to discharge in accordance with the provisions of the RGP from this site via the Town of Chelmsford storm sewer system¹ to Golden Cove Stream, tributary to River Meadow Brook and Concord River (MA82A-08). 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 I, petroleum-related site remediation 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 will terminate in September 2017. Because your discharge is not expected to last twelve (12) months or more, EPA expects you will not to be subject to NetDMR reporting requirements. 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 these systems, 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 2.2.4 of the RGP, your authorization to discharge also includes additional monitor-only requirements for 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, ranging from 0.19 to 0.35 µg/L, exceeds the minimum level required in Part 2.1.1 of the RGP, 0.1 µg/L. 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. Where a compliance level applies, EPA has specified the compliance level and 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,

A handwritten signature in blue ink that reads "Thelma Murphy". The signature is fluid and cursive, with the first and last names clearly legible.

Thelma Murphy, Chief
Storm Water and Construction Permits Section

Enclosure

cc: Robert Coluccio, PE, Web Engineering Associates, Inc., via email
Cathy Vakalopoulos, MassDEP, via email
Town of Chelmsford Department of Public Works

GENERAL PERMIT FOR REMEDIATION ACTIVITY DISCHARGES

Table 1: Authorization Information

Permit Number	MAG910747
Receiving Water	Golden Cove Stream
Outfall Number	Outfall 001 to Town of Chelmsford
Monitoring Frequency	See Part 4.1.2 of the RGP
Reporting Requirement	See Part 4.6.1 of the RGP; NetDMR not required

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
Total Residual Chlorine ⁴	11 µg/L
Antimony ⁵	206 µg/L
Arsenic ⁵	104 µg/L
Cadmium ⁵	0.1754 µg/L
Chromium III ⁵	53.4 µg/L
Chromium VI ⁵	323 µg/L
Copper ⁵	242 µg/L
Iron ⁵	5,000 µg/L
Lead ⁵	160 µg/L
Mercury ⁵	0.739 µg/L
Nickel ⁵	1,450 µg/L
Selenium ⁵	5.0 µg/L
Silver ⁵	35.1 µg/L
Zinc ⁵	73.0 µg/L
D. Non-Halogenated Semi-Volatile Organic Compounds	
Total Group I Polycyclic Aromatic Hydrocarbons ⁶	Report 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

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 compliance level for total residual chlorine (TRC) is 50 µg/L. The ML for analysis of TRC must be less than or equal to 50 µg/L.

⁵ The limitation for this parameter is on the basis of total recoverable metal in the water column.

⁶ 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
	0.432 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