



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

VIA EMAIL

September 30, 2020

Meghan Proia, PE
Groundwater & Environmental Services, Inc.
1 Park Drive, Suite 8
Westford, MA 01821

Re: Authorization to discharge under the Remediation General Permit (RGP) – Authorization #MAG910947 for the Roy Bros. site located at 764 Boston Road in Billerica, MA

Meghan Proia:

Based on the review of a Notice of Intent (NOI) dated June 25, 2020 submitted by Groundwater & Environmental Services, Inc. (GES, Inc.) for the site referenced above, the U.S. Environmental Protection Agency, Region 1 (EPA) hereby authorizes Roy Bros., Inc. as the named owner, and as a named operator and co-permittee with GES, Inc. to discharge in accordance with the provisions of the RGP from this site via the Town of Billerica storm sewer system to the Shawsheen River (MA83-17). Please note that the operators are responsible for obtaining permission to discharge to this system, prior to initiating discharges. EPA's authorization to discharge does not convey any such permission. The authorization number is listed above. The effective date of coverage is the date of this authorization letter. The RGP and this authorization to discharge will expire on April 8, 2022, or upon Notice of Termination, whichever occurs first. In accordance with Part 5.3 of the RGP, your permit coverage will be administratively continued upon expiration if the RGP has not been reissued.

Enclosed with this RGP authorization to discharge is a summary of the applicable effluent limitations and monitoring requirements for your activity Categories I and II, Petroleum- and Non-Petroleum-Related Site Remediation discharge. Where a given parameter does not apply to the discharge, EPA has indicated "Not Required" in the enclosed summary. No dilution factor 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, currently available at: <https://www.epa.gov/npdes-permits/remediation-general-permit-rgp-massachusetts-new-hampshire>.

A Best Management Practices Plan (BMPP) and Best Management Practices (BMPs) are required for all operators. This includes corrective actions required upon discovery of a violation of a permit limitation or requirement. See Part 2.5.1 and 2.5.2 of the RGP for more information.

In accordance with Part 2.5.3 of the RGP, no discharges of chemical(s) and/or additive(s) are authorized. To discharge any new chemical(s) and/or additive(s), a Notice of Change is required. See Part 5.1 and Appendix IV, Part 2 of the RGP for more information.

Monitoring requirements begin upon initiation of discharge. 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 a minimum level (ML) for analysis for a given parameter that is no greater than the effluent limitation for that parameter, unless otherwise specified 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 provided the required compliance level with the enclosed summary. See Part 4.1, 4.3, and 4.4 of the RGP for more information regarding monitoring requirements. Also see Appendix VII for more information regarding sufficiently sensitive test methods.

You must submit a Notice of Termination (NOT) within thirty (30) days of the termination of discharges, which must include an electronic attachment in accordance with Appendix VIII of all monitoring data collected. Since you have reported your discharges are not expected to last twelve (12) months or more, EPA expects you will not be subject to NetDMR reporting requirements. However, if EPA does not receive a NOT, you must begin submitting monitoring data using NetDMR for the monitoring period beginning on August 1, 2021. See Parts 4.6, 5.1, 5.2 and 6, Appendix IV, and Appendix VIII of the RGP for more information regarding reporting requirements. For additional Appendix VIII resources, including instructions for establishing a NetDMR account, see EPA's RGP website noted above.

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,

Todd Borci, Acting Chief
Stormwater and Construction Permits Section
Water Division

Enclosure

cc: Deborah Roy, Roy Bros., Inc., via email
Cathy Vakalopoulos, MassDEP, via email
Billerica DPW, via email

GENERAL PERMIT FOR REMEDIATION ACTIVITY DISCHARGES

Table 1: Authorization Information

Permit Number	MAG910947
Receiving Water	Shawsheen River
Outfall Number(s)	Outfall 001 to Town of Billerica MS4
Monitoring Requirements	See Table 2 through Table 6, below; See Parts 4.1, 4.3 and 4.4 of the RGP; WET testing not required
Reporting Requirements	See Parts 4.6, 5.1, 5.2 and 6 of the RGP; NetDMR reporting will begin Aug 1, 2021 unless NOT received by EPA

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

Parameter²	Effluent Limitation³
A. Inorganics	
Ammonia ⁴	Report mg/L
Chloride ⁵	Report µg/L
Total Residual Chlorine ⁶	Not Required
Total Suspended Solids	30 mg/L
Antimony ⁷	206 µg/L
Arsenic ⁷	10 µg/L
Cadmium ⁷	0.4854 µg/L
Chromium III ⁷	323 µg/L
Chromium VI ⁷	323 µg/L
Copper ⁷	18.3 µg/L
Iron ⁷	1,000 µg/L
Lead ⁷	160 µg/L
Mercury ⁷	0.739 µg/L
Nickel ⁷	101.6 µg/L
Selenium ⁷	235.8 µg/L
Silver ⁷	14.7 µg/L
Zinc ⁷	233.7 µg/L
Cyanide ⁸	Not Required
B. Non-Halogenated Volatile Organic Compounds	
Total BTEX ⁹	100 µg/L
Benzene	5.0 µg/L
1,4 Dioxane	Not Required
Acetone	7.97 mg/L
Phenol	1,080 µg/L
C. Halogenated Volatile Organic Compounds	
Carbon Tetrachloride	1.6 µg/L
1,2 Dichlorobenzene	600 µg/L
1,3 Dichlorobenzene	320 µg/L
1,4 Dichlorobenzene	5.0 µg/L
1,1 Dichloroethane	70 µg/L
1,2 Dichloroethane	5.0 µg/L

1,1 Dichloroethylene	3.2 µg/L
Ethylene Dibromide	0.05 µg/L
Methylene Chloride	4.6 µg/L
1,1,1 Trichloroethane	200 µg/L
1,1,2 Trichloroethane	5.0 µg/L
Trichloroethylene	5.0 µg/L
Tetrachloroethylene	5.0 µg/L
cis-1,2 Dichloroethylene	70 µg/L
Vinyl Chloride	2.0 µg/L
D. Non-Halogenated Semi-Volatile Organic Compounds	
Total Phthalates ¹⁰	190 µg/L
Diethylhexyl Phthalate	2.2 µg/L
Total Group I Polycyclic Aromatic Hydrocarbons ¹¹	1.0 µg/L
Benzo(a)anthracene ¹¹	Report µg/L
Benzo(a)pyrene ¹¹	0.0038 µg/L
Benzo(b)fluoranthene ¹¹	Report µg/L
Benzo(k)fluoranthene ¹¹	Report µg/L
Chrysene ¹¹	Report µg/L
Dibenzo(a,h)anthracene ¹¹	Report µg/L
Indeno(1,2,3-cd)pyrene ¹¹	Report µg/L
Total Group II Polycyclic Aromatic Hydrocarbons ¹²	100 µg/L
Naphthalene	20 µg/L
E. Halogenated Semi-Volatile Organic Compounds	
Total Polychlorinated Biphenyls ¹³	Not Required
Pentachlorophenol	Not Required
F. Fuels Parameters	
Total Petroleum Hydrocarbons	5.0 mg/L
Ethanol ¹⁴	Not Required
Methyl-tert-Butyl Ether	Not Required
tert-Butyl Alcohol	120 µg/L
tert-Amyl Methyl Ether	Not Required

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 sample type required for all parameters is grab. Grab samples must be analyzed individually and cannot be composited.

3: The effluent limitation and/or monitor-only requirement for any parameter applies, unless “Not Required” is shown. The limitation type for all parameters is monthly average.

4: The minimum level (ML) for analysis of ammonia must be less than or equal to 0.1 mg/L.

5: The ML for analysis of chloride must be less than or equal to 230 mg/L.

- 6: The ML for analysis of total residual chlorine (TRC) must be less than or equal to 50 µg/L.
- 7: The limitation for this parameter is on the basis of total recoverable metal in the water column.
- 8: The ML for analysis of total cyanide must be less than or equal to 5.0 µg/L.
- 9: Total BTEX is the sum of: benzene; toluene; ethylbenzene; and (m,p,o) xylenes.
- 10: Total Phthalates is the sum of: diethylhexyl phthalate; butyl benzyl phthalate; di-n-butyl phthalate; diethyl phthalate; dimethyl phthalate; and di-n-octyl phthalate.
- 11: Total Group I PAHs is the sum of: benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(k)fluoranthene; chrysene; dibenzo(a,h)anthracene; indeno(1,2,3-cd)pyrene. ML for analysis of group I polycyclic aromatic hydrocarbons (PAHs) must be less than or equal to 0.1 µg/L using a test method in 40 CFR §136 with selected ion monitoring. MassDEP (e.g., EPH) and RCRA (e.g., 8260) methods cannot be used for analysis. The compliance level for group I PAHs is 0.1 µg/L.
- 12: Total Group II PAHs is the sum of: acenaphthene; acenaphthylene; anthracene (CAS No. 120-12-7); benzo(g,h,i)perylene; fluoranthene; fluorene; naphthalene; phenanthrene; pyrene. MassDEP (e.g., EPH) and RCRA (e.g., 8270) methods cannot be used for analysis.
- 13: Total PCBs is the sum of the following aroclors: PCB-1016, PCB-1221, PCB-1232, PCB-1242, PCB-1248, PCB-1254, and PCB-1260. The ML for analysis of total polychlorinated biphenyls (PCBs) must be less than or equal to 0.5 µg/L.

Table 3: Effluent Flow Limitation¹

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
- 2: The limitation type for effluent flow is daily maximum.

Table 4: pH Limitations¹

Receiving Water Class	Effluent Limitation ²
Freshwater	6.5 to 8.3 SU

Table 4 Notes:

- 1: The following abbreviations are used in Table 4, above:
a: SU = standard units
- 2: The limitation type for pH is range. The sample type required for pH is grab.

Table 5: Temperature Limitations¹

Receiving Water Class		Effluent Limitation²	ΔT Limitation
Freshwater	Class B	Not Required	Not Required

Table 5 Notes

1: The following abbreviations are used in Table 5, above:

a: °F = degrees Fahrenheit

b: ΔT = change in temperature

c: \leq = less than or equal to

2: The limitation type for temperature is daily maximum. The ample type required for temperature is grab.

3: Change in temperature from background shall be determined by subtracting the temperature of the effluent from the temperature of the receiving water measured at a point immediately upstream of a discharge's zone of influence at a reasonably accessible location.

Table 6: Additional Requirements

Parameter²	Effluent Limitation³
None Required	NA

Table 6 Notes:

1: The following abbreviations are used in Table 6, above:

a: NA = not applicable

2: NA

3: NA