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

VIA EMAIL

November 28, 2017

Stephan White
PES Associates, Inc.
62 Derby Street Suite 10
Hingham, MA 02043
swhite@pesassociatesinc.com

Re: Authorization to discharge under the Remediation General Permit (RGP) – Authorization #MAG910109, for the Shaw's Plaza site located in Sharon, MA

Dear Mr. White:

Based on the review of a Notice of Intent (NOI) dated May 26, 2017 for the site referenced above, the U.S. Environmental Protection Agency, Region 1 (EPA) hereby authorizes PES Associates, as the named operator, to discharge in accordance with the provisions of the RGP from this site to Billings Brook, tributary to Gavins Pond (MA62077). 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 II, non-petroleum related site remediation discharge. A dilution factor of 1.7, approved by the Massachusetts Department of Environmental Protection, 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.[1]

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 twelve (12) months or more. 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] 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 upstream flow in the fillable electronic format submitted with the NOI. This value was corrected to the 7Q10 reported in the NOI. The reason for this correction 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 tetrachloroethylene of 5.0 µg/L, and total recoverable iron of 1,007 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.

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: John Kane, GCCFC 2005-G5 South Main Street LLC, via email
Marnin Feldman, PES Associates, Inc., via email
Cathy Vakalopoulos, MassDEP, via email

Table 1: Authorization Information

Permit Number	MAG910109
Receiving Water	Billings Brook
Outfall Number	Outfall 001
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]	242 µg/L
Iron[4]	1,007 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
B. Non-Halogenated Volatile Organic Compounds	
Total BTEX	100 µg/L
Benzene	5.0 µg/L
Acetone	7.97 mg/L
Phenol	1,080 µg/L
C. Halogenated Volatile Organic Compounds	
Carbon Tetrachloride	4.4 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
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	
Diethylhexyl Phthalate	101 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.

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**
Freshwater	6.5 to 8.3 SU

Table 4 Notes

[1] The following abbreviations are used in Table 4, above:
- [a] SU = standard units