

Southeast Regional Office
CLEAN WATER PROGRAM

Application Type New
 Facility Type Industrial
 Major / Minor Minor

**NPDES PERMIT FACT SHEET
 INDIVIDUAL INDUSTRIAL WASTE (IW)
 AND IW STORMWATER**

Application No. PA0245119
 APS ID 992897
 Authorization ID 1272699

Applicant and Facility Information

| | | | |
|---------------------------|--|------------------|--|
| Applicant Name | <u>Dunne Manning Realty LP</u> | Facility Name | <u>Eagle Valero GWCU</u> |
| Applicant Address | <u>645 Hamilton Avenue Suite 500</u> <u>Allentown, PA 18101</u> | Facility Address | <u>37 Pottstown Pike</u> <u>Uwchlan, PA 19425</u> |
| Applicant Contact | <u>Danielle Unruh</u> | Facility Contact | <u>Danielle Unruh</u> |
| Applicant Phone | <u>(484) 369-2018</u> | Facility Phone | <u>(484) 369-2018</u> |
| Client ID | <u>341025</u> | Site ID | <u>836367</u> |
| SIC Code | <u>7538</u> | Municipality | <u>Upper Uwchlan Township</u> |
| SIC Description | <u>Services - General Automotive Repair Shops</u> | County | <u>Chester</u> |
| Date Application Received | <u>April 1, 2019</u> | EPA Waived? | <u>Yes</u> |
| Date Application Accepted | <u></u> | If No, Reason | <u></u> |
| Purpose of Application | <u>Petroleum impacted groundwater cleanup activities.</u> | | |

Summary of Review

The applicant requests issuance of an NPDES permit to discharge treated petroleum impacted groundwater from environmental cleanup activities.

The applicant is proposing a groundwater pump and treat system (GWP&T) to address the impacts of a historical leaking from a #2 fuel oil underground storage tank that was removed in 2005. The groundwater will be pumped from the wells into an oil water separator and then through bag filters and then treated using two liquid phase carbon units of at least 500-pound units each, piped in series. Treated groundwater will then be discharged to the local storm sewer system. The system will be sized to handle flows up to 20 gallons per minute, though it is estimated that flows will be below 10 gallons per minute.

Since this is a new discharge to a High-Quality stream (HQ-TSF, MF, UNT to Pickering Creek), based on the antidegradation guidance, the existing quality of the receiving stream should be maintained and protected.

The parameters included in the permit are similar to the parameters in the General Permit for discharges from petroleum product contaminated groundwater remediation systems.

For Benzene, Toluene and Ethylbenzene, the discharge concentrations should be non-detect using the target quantitation limit (TQL) equivalent (or less) to those listed in the attachment C of the instruction for the NPDES application for individual permit to discharge industrial wastewater.

Total Suspended Solids and Oil and Grease limits are established as 5.0 mg/l based on Best Available Technology.

| Approve | Deny | Signatures | Date |
|---------|------|--|------|
| | | Sara Reji Abraham, E.I.T. / Project Manager | |
| | | Pravin C. Patel, P.E. / Environmental Engineer Manager | |

Summary of Review

The following are the proposed limits:

| Parameter | Average Monthly | Basis |
|--------------------------------|----------------------------------|---------------------|
| Benzene (µg/l) | N.D. (< 0.5) | Antidegradation/TQL |
| Toluene (µg/l) | N.D. (< 0.5) | Antidegradation/TQL |
| Ethylbenzene (µg/l) | N.D. (< 0.5) | Antidegradation/TQL |
| Total Xylenes | Report | No TQL |
| Total BTEX (µg/l) | Report | |
| Methyl Tert-Butyl Ether (µg/l) | Report | |
| Total Suspended Solids (mg/l) | 5 | BAT |
| Oil and Grease (mg/l) | 5 | BAT |
| pH | 6.0 to 9.0 at all times | Chapter 95.2 |
| Dissolved Iron (mg/l) | 0.3 | PWS criteria |
| Dissolved Oxygen (mg/l) | Minimum of 6.0 mg/l at all times | BPJ |

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Act 14 Notifications:

Upper Uwchlan Township - 02/18/2029
Chester County - 02/18/2019

Permit Conditions:

- A. Acquire Necessary Property Rights
- B. Proper Sludge Disposal
- C. BAT/ELG Reopener
- D. TMDL/WLA Analysis
- E. Start -Up Condition
- F. Continuous Operation

Discharge, Receiving Waters and Water Supply Information

| | | | |
|-------------------------|--|-------------------|------------------------|
| Outfall No. | <u>001</u> | Design Flow (MGD) | <u>.0144</u> |
| Latitude | <u>40° 4' 21.41"</u> | Longitude | <u>-75° 40' 45.40"</u> |
| Quad Name | <u>Downingtown</u> | Quad Code | <u>1840</u> |
| Wastewater Description: | <u>Groundwater Cleanup Discharge</u> | | |
| Receiving Waters | <u>Unnamed Tributary to Pickering Creek (HQ-TSF, MF)</u> | Stream Code | <u>01546</u> |
| NHD Com ID | <u>25969650</u> | RMI | <u>0.7600</u> |
| Watershed No. | <u>3-D</u> | Chapter 93 Class. | <u>HQ-TSF, MF</u> |
| Assessment Status | <u>Attaining Use(s)</u> | | |

| Treatment Facility Summary | | | | |
|--|----------------------------|--------------|---------------------|------------------------|
| Treatment Facility Name: Eagle Valero GWCU | | | | |
| Waste Type | Degree of Treatment | Process Type | Disinfection | Avg Annual Flow (MGD) |
| Industrial | | | | 0.0144 |
| Hydraulic Capacity (MGD) | Organic Capacity (lbs/day) | Load Status | Biosolids Treatment | Biosolids Use/Disposal |
| | | | | |

Proposed Effluent Limitations and Monitoring Requirements

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

| Parameter | Effluent Limitations | | | | | | Monitoring Requirements | |
|----------------|-------------------------------------|---------------------|-----------------------|--------------------|------------------|---------------------|--|----------------------------|
| | Mass Units (lbs/day) ⁽¹⁾ | | Concentrations (mg/L) | | | | Minimum ⁽²⁾ Measurement Frequency | Required Sample Type |
| | Average Monthly | Average Weekly | Minimum | Average Monthly | Daily Maximum | Instant. Maximum | | |
| Flow (MGD) | Report | Report Daily Max | XXX | XXX | XXX | XXX | 2/month | Measured |
| pH (S.U.) | XXX | XXX | 6.0 Inst Min | XXX | XXX | 9.0 | 2/month | Grab |
| DO | XXX | XXX | 6.0 Inst Min | XXX | XXX | XXX | 2/month | Grab |
| TSS | XXX | XXX | XXX | 5.0 | 10.0 | 12.5 | 2/month | Grab |
| Oil and Grease | XXX | XXX | XXX | 5.0 | 10.0 | 12.5 | 2/month | Grab |
| Dissolved Iron | XXX | XXX | XXX | 0.3 | 0.3 | 0.3 | 2/month | Grab |
| Total BTEX | XXX | XXX | XXX | Report | Report | XXX | 2/month | Grab |
| Benzene | XXX | XXX | XXX | < 0.0005 | < 0.0005 | < 0.0005 | 2/month | Grab |
| Toluene | XXX | XXX | XXX | < 0.0005 | < 0.0005 | < 0.0005 | 2/month | Grab |
| Ethylbenzene | XXX | XXX | XXX | < 0.0005 | < 0.0005 | < 0.0005 | 2/month | Grab |
| Total Xylenes | XXX | XXX | XXX | Report | Report | XXX | 2/month | Grab |
| MTBE | XXX | XXX | XXX | Report | Report | XXX | 2/month | Grab |