

Application Type   **New**    
 Facility Type   **Industrial**    
 Major / Minor   **Minor**  

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

Application No.   **PA0295337**    
 APS ID   **1096425**    
 Authorization ID   **1454072**  

**Applicant and Facility Information**

Applicant Name	<u>  <b>Mercatoris Oil Company, Inc.</b>  </u>	Facility Name	<u>  <b>Former Mercatoris Oil Site</b>  </u>
Applicant Address	<u>  11604 Dawn Drive Meadville, PA 16335-6394  </u>	Facility Address	<u>  12388 Conneaut Lake Road Conneaut Lake, PA 16316-4204  </u>
Applicant Contact	<u>  Sandra Janes, Executrix <a href="mailto:sandrajanes1950@gmail.com">sandrajanes1950@gmail.com</a>  </u>	Facility Contact	<u>  Paul Martin, Moody and Associates, Inc. <a href="mailto:pmartin@moody-s.com">pmartin@moody-s.com</a>  </u>
Applicant Phone	<u>  (814) 282-8632  </u>	Facility Phone	<u>  (814) 724-4970, ext. 1019  </u>
Client ID	<u>  63928  </u>	Site ID	<u>  571272  </u>
SIC Code	<u>  5541, 4493  </u>	Municipality	<u>  Sadsbury Township  </u>
SIC Description	<u>  Retail Trade - Gasoline Service Stations Trans. &amp; Utilities - Marinas  </u>	County	<u>  Crawford  </u>
Date Application Received	<u>  August 23, 2023  </u>	EPA Waived?	<u>  Yes  </u>
Date Application Accepted	<u>  September 8, 2023  </u>	If No, Reason	<u>  -  </u>

Purpose of Application   A new NPDES Permit for a discharge of wastewater from a groundwater treatment (gasoline) facility. This facility does not qualify for the PAG-05 General Permit due to the receiving stream being designated as High Quality.  

**Summary of Review**

Act 14 - Proof of Notification was submitted and received.  
 This facility is not subject to any ELGs.  
 A Water Quality Management (WQM) Permit is not required at this time.  
 The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

**I. OTHER REQUIREMENTS:**

- A. Right of way
- B. Solids handling
- C. NPDES Permit Supersedes WQM Permits
- D. Modification or Revocation for changes to BAT or BCT

There are no open violations in effects associated with the subject Client ID (63928) as of 5/8/2024.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	5/8/2024
X		Jason Roessing Jason Roessing, P.E. / Environmental Engineer Manager	5/14/2024

**Discharge, Receiving Waters and Water Supply Information**

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.000432</u>
Latitude	<u>41° 36' 17.63"</u>	Longitude	<u>-80° 17' 28.08"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>

Wastewater Description: IW Process Effluent without ELG

Receiving Waters	<u>Unnamed Tributary to the Conneaut Outlet (HQ-WWF)</u>	Stream Code	<u>52232</u>
NHD Com ID	<u>127346699</u>	RMI	<u>N/A</u>
Drainage Area	<u>-</u>	Yield (cfs/mi <sup>2</sup> )	<u>-</u>
Q <sub>7-10</sub> Flow (cfs)	<u>-</u>	Q <sub>7-10</sub> Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>16-D</u>	Chapter 93 Class.	<u>HQ-WWF*</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>

Assessment Status Attaining Use(s)

Cause(s) of Impairment -

Source(s) of Impairment -

TMDL Status - Name -

Background/Ambient Data	Data Source
pH (SU) <u>-</u>	<u>-</u>
Temperature (°F) <u>-</u>	<u>-</u>
Hardness (mg/L) <u>-</u>	<u>-</u>
Other: <u>-</u>	<u>-</u>

Nearest Downstream Public Water Supply Intake	<u>Aqua Pennsylvania, Inc. - Emlenton</u>
PWS Waters <u>Allegheny River</u>	Flow at Intake (cfs) <u>1,250</u>
PWS RMI <u>90.0</u>	Distance from Outfall (mi) <u>70.0</u>

\* - This facility does not qualify for the PAG-05 General Permit due to the receiving stream being designated as High Quality. Anti-Degradation was evaluated and all non-discharge alternatives, including bioremediation, were found to be infeasible due to being cost prohibitive and/or infeasible due to the nature of the project.

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.

Narrative: This Fact Sheet details the determination of draft NPDES permit limits for a new discharge of 0.000432 MGD of wastewater from a groundwater treatment facility in Sadsbury Township, Crawford County.

Treatment: The proposed groundwater remediation system consists of a single groundwater recovery well and treatment system on the Nye's Marina property to be installed in order to pump and remediate remaining impacted groundwater trapped behind an old foundation and to capture impacted groundwater flowing onto the property.

The treatment system will consist of a flow equalization tank, two sediment filters, and two activated carbon filters. Treated water will be discharged to Conneaut Lake via Outfall 001.

Reasonable Potential for Downstream Public Water Supply (PWS):

Nearest Downstream potable water supply (PWS): Aqua Pennsylvania, Inc. - Emlenton

Distance downstream from the point of discharge: 70.0 miles (approximate)

Result: No limits or monitoring is necessary as significant dilution is available.

**Proposed Effluent Limitations and Monitoring Requirements**

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (386-0400-001), SOPs and/or BPJ.

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

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
TSS	XXX	XXX	XXX	30.0	XXX	75.0	1/month	Grab
Oil and Grease	XXX	XXX	XXX	15.0	XXX	30.0	1/month	Grab
Dissolved Iron	XXX	XXX	XXX	XXX	XXX	7.0	1/year	Grab
Benzene	XXX	XXX	XXX	0.001	XXX	0.0025	1/month	Grab
Total BTEX	XXX	XXX	XXX	0.1	XXX	0.25	1/month	Grab
MTBE	XXX	XXX	XXX	Report	XXX	Report	1/month	Grab

Compliance Sampling Location: Outfall 001

Flow and MTBE are monitor only based on the PAG-05 General Permit. The limits for pH, Total Suspended Solids, Oil and Grease, Dissolved Iron, Benzene, and Total BTEX are technology-based on the PAG-05 General Permit.