

Application Type New
Facility Type Industrial
Major / Minor Minor

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

Application No. PA0233625
APS ID 1047055
Authorization ID 1368348

Applicant and Facility Information

Applicant Name	<u>Warner Tractor & Equipment, Inc.</u>	Facility Name	<u>Warner Tractor & Equipment</u>
Applicant Address	<u>9848 Route 6</u> <u>Troy, PA 16947-9273</u>	Facility Address	<u>9848 Route 6</u> <u>Troy, PA 16947-9273</u>
Applicant Contact	<u>Scott Warner</u>	Facility Contact	<u>Scott Warner</u>
Applicant Phone	<u>(570) 297-2141</u>	Facility Phone	<u>(570) 297-2141</u>
Client ID	<u>188774</u>	Site ID	<u>566080</u>
SIC Code	<u>5083</u>	Municipality	<u>Troy Township</u>
SIC Description	<u>Wholesale Trade - Farm And Garden Machinery</u>	County	<u>Bradford</u>
Date Application Received	<u>September 3, 2021</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>September 8, 2021</u>	If No, Reason	<u></u>
Purpose of Application	<u>Renewal of a NPDES Permit</u>		

Summary of Review

The subject facility provides sales and service of agricultural and construction equipment in Troy Township, Bradford County. A map of the discharge location is attached.

This draft permit is considered a new NPDES Permit due to the application not being received prior to the March 31, 2021 expiration date of the previous permit.

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.

Approve	Deny	Signatures	Date
X		<i>Keith C. Allison</i> Keith C. Allison / Project Manager	March 11, 2022
X		<i>Nicholas W. Hartranft</i> Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	March 14, 2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0006</u>
Latitude	<u>41° 46' 5.98"</u>	Longitude	<u>-76° 43' 46.33"</u>
Quad Name	<u>East Troy, PA</u>	Quad Code	<u>0432</u>
Wastewater Description: <u>IW Process Effluent without ELG</u>			
Receiving Waters	<u>Unnamed Tributary to Sugar Creek</u>	Stream Code	<u>46766</u>
NHD Com ID	<u>66402207</u>	RMI	<u>0.43</u>
Drainage Area	<u>0.29 mi² @ UNT</u> <u>83 mi² @ Sugar Creek</u>	Yield (cfs/mi ²)	<u>N/A</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.7</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStats</u>
Elevation (ft)	<u>964</u>	Slope (ft/ft)	<u>Undetermined</u>
Watershed No.	<u>4-C</u>	Chapter 93 Class.	<u>TSF</u>
Existing Use	<u>N/A</u>	Existing Use Qualifier	<u>N/A</u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>None</u>
Assessment Status	<u>Attaining Use(s)</u>		
Nearest Downstream Public Water Supply Intake	<u>Danville Municipal Water Authority</u>		
PWS Waters	<u>Susquehanna River</u>	Distance from Outfall (mi)	<u>Approx. 158</u>

Changes Since Last Permit Issuance: None

Other Comments: Discharge is runoff from a wash pad for cleaning equipment prior to servicing. Because it is only used for the occasional washing of equipment before maintenance, the discharge is intermittent. The discharge generally infiltrates into the ground prior to reaching the receiving stream per Department inspections. No evidence of pollution to the ground surface at the point of discharge has been noted during inspections.

No downstream water supply is expected to be affected by this discharge with the limitations and monitoring proposed.

Treatment Facility Summary		
Treatment Facility Name: Warner Tractor Vehicle Washing		
Waste Type	Degree of Treatment	Process Type
Equipment Cleaning Wash Water	Physical (Industrial Waste)	Sedimentation

Changes Since Last Permit Issuance: None

Other Comments: Treatment consists of a 200-gallon catch basin, 2000-gallon two-compartment settling tank with Zabel filter, a 900-gallon oil/water separator with Zabel filter, and 2000-gallon single compartment settling tank with Zabel filter. Units are cleaned out as needed.

Compliance History	
Summary of DMRs:	See the following page for a list of the most recent year of available discharge data.
Summary of Inspections:	The facility has been inspected periodically during the past permit term, most recently on September 25, 2019. This inspection identified no violations.
Other Comments:	An WMS query found no open violations in eFACTS for Warner Tractor & Equipment, Inc. The permittee received NOVs on January 11, 2021 and June 25, 2021 for the failure to submit a timely application and operating under an expired permit.

Stormwater Requirements
The facility is not required to obtain permit approval for stormwater discharges from the facility because, as a SIC code 5083 facility, it is not an industrial operation subject to the requirements of 40 CFR 122.26(b)(14).

Compliance History

DMR Data for Outfall 001 (from February 1, 2021 to January 31, 2022)

Parameter	JAN-22	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21	JUN-21	MAY-21	APR-21	MAR-21	FEB-21
Flow (MGD) Average	ND	0.000188	ND	ND	ND	ND	ND	0.000124	ND	0.000194	ND	ND
Flow (MGD) Daily Maximum		0.000751						0.000621		0.000775		
pH (S.U.) Instantaneous Minimum		7.5						7.1		7.0		
pH (S.U.) Instantaneous Maximum		7.5						7.1		7.0		
CBOD5 (mg/L) Average Monthly		5.9						24.4		10.4		
TSS (mg/L) Average Monthly		< 5.0						8.0		23.0		
TSS (mg/L) Instantaneous Maximum		< 5.0						8.0		23.0		
Oil and Grease (mg/L) Average Monthly		< 5.3						< 5.3		< 5.9		
Oil and Grease (mg/L) Instantaneous Maximum		< 5.3						< 5.3		< 5.9		
Dissolved Iron (mg/L) Instantaneous Maximum		0.293						< 0.200		0.211		

Previous Effluent Limitations and Monitoring Requirements – Outfall 001								
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	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
CBOD5	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
TSS	XXX	XXX	XXX	30	XXX	75	1/month	Grab
Oil and Grease	XXX	XXX	XXX	15	XXX	30	1/month	Grab
Dissolved Iron	XXX	XXX	XXX	XXX	XXX	7.0	1/month	Grab

Development of Effluent Limitations

Outfall No. <u>001</u>	Design Flow (MGD) <u>0.0006</u>
Latitude <u>41° 46' 4.00"</u>	Longitude <u>-76° 43' 52.00"</u>
Wastewater Description: <u>IW Process Effluent without ELG</u>	

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Parameter	Limit (mg/l)	SBC	Federal Regulation	State Regulation
pH	6-9 S.U.	Min – Max	---	95.2(1)
Oil and Grease	15	Monthly Ave	---	95.2(2)(ii)
	30	Daily Max		
Dissolved Iron	7	Instant. Max	---	95.2(4)

Comments: The above limits are existing in the permit and will be kept.

Water Quality-Based Limitations

Surface water quality impacts are not anticipated from this discharge given its size and the fact that the discharge generally, if not always, infiltrates into the ground prior to reaching Sugar Creek or its unnamed tributary. Therefore, no in-depth "Reasonable Potential Analysis" was performed to determine whether additional parameters were candidates for limitations.

A dissolved iron concentration ranging from <200 to 293 µg/L was found in the available eDMR data which is less than the most stringent instream criteria of 300 ug/L.

Discharge to Intermittent/Dry Streams

No impacts have been identified by the Department at the discharge location or on the receiving waters and therefore, due to this and the size of the discharge, the advanced treatment requirements of the Department's Dry Streams Guidance are not being required at this time for this existing discharge.

DO, CBOD5 and NH3-N

Existing monitoring for CBOD₅ is adequate and no additional limits or monitoring are necessary for Ammonia or Dissolved Oxygen given the size and size and character of the discharge.

Chesapeake Bay/Nutrient Requirements

Due to the size of the discharge and because no significant TN or TP is introduced no regular nutrient monitoring will be required for this insignificant industrial discharge, consistent with the Phase III WIP.

Best Professional Judgment (BPJ) Limitations

Comments: Existing limits for TSS (30 mg/L monthly average and 75 mg/L instantaneous max) were established by BPJ and remain adequate.

Anti-Backsliding

No proposed limitations have been made less stringent consistent with the anti-backsliding provisions of the Clean Water Act and 40 CFR 122.44(l).

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" (362-0400-001), SOPs and/or BPJ.

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

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
CBOD5	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
TSS	XXX	XXX	XXX	30	XXX	75	1/month	Grab
Oil and Grease	XXX	XXX	XXX	15	XXX	30	1/month	Grab
Dissolved Iron	XXX	XXX	XXX	XXX	XXX	7.0	1/month	Grab

Compliance Sampling Location: Outfall 001

Other Comments: The above monitoring and limitations are unchanged from the previous permit.

Tools and References Used to Develop Permit	
<input type="checkbox"/>	WQM for Windows Model (see Attachment [redacted])
<input type="checkbox"/>	Toxics Management Spreadsheet (see Attachment [redacted])
<input type="checkbox"/>	TRC Model Spreadsheet (see Attachment [redacted])
<input type="checkbox"/>	Temperature Model Spreadsheet (see Attachment [redacted])
<input checked="" type="checkbox"/>	Water Quality Toxics Management Strategy, 361-0100-003, 4/06.
<input checked="" type="checkbox"/>	Technical Guidance for the Development and Specification of Effluent Limitations, 362-0400-001, 10/97.
<input type="checkbox"/>	Policy for Permitting Surface Water Diversions, 362-2000-003, 3/98.
<input checked="" type="checkbox"/>	Policy for Conducting Technical Reviews of Minor NPDES Renewal Applications, 362-2000-008, 11/96.
<input type="checkbox"/>	Technology-Based Control Requirements for Water Treatment Plant Wastes, 362-2183-003, 10/97.
<input type="checkbox"/>	Technical Guidance for Development of NPDES Permit Requirements Steam Electric Industry, 362-2183-004, 12/97.
<input type="checkbox"/>	Pennsylvania CSO Policy, 385-2000-011, 9/08.
<input type="checkbox"/>	Water Quality Antidegradation Implementation Guidance, 391-0300-002, 11/03.
<input type="checkbox"/>	Implementation Guidance Evaluation & Process Thermal Discharge (316(a)) Federal Water Pollution Act, 391-2000-002, 4/97.
<input type="checkbox"/>	Determining Water Quality-Based Effluent Limits, 391-2000-003, 12/97.
<input type="checkbox"/>	Implementation Guidance Design Conditions, 391-2000-006, 9/97.
<input type="checkbox"/>	Technical Reference Guide (TRG) WQM 7.0 for Windows, Wasteload Allocation Program for Dissolved Oxygen and Ammonia Nitrogen, Version 1.0, 391-2000-007, 6/2004.
<input type="checkbox"/>	Interim Method for the Sampling and Analysis of Osmotic Pressure on Streams, Brines, and Industrial Discharges, 391-2000-008, 10/1997.
<input type="checkbox"/>	Implementation Guidance for Section 95.6 Management of Point Source Phosphorus Discharges to Lakes, Ponds, and Impoundments, 391-2000-010, 3/99.
<input checked="" type="checkbox"/>	Technical Reference Guide (TRG) PENTOXSD for Windows, PA Single Discharge Wasteload Allocation Program for Toxics, Version 2.0, 391-2000-011, 5/2004.
<input type="checkbox"/>	Implementation Guidance for Section 93.7 Ammonia Criteria, 391-2000-013, 11/97.
<input checked="" type="checkbox"/>	Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers, 391-2000-014, 4/2008.
<input type="checkbox"/>	Implementation Guidance Total Residual Chlorine (TRC) Regulation, 391-2000-015, 11/1994.
<input type="checkbox"/>	Implementation Guidance for Temperature Criteria, 391-2000-017, 4/09.
<input type="checkbox"/>	Implementation Guidance for Section 95.9 Phosphorus Discharges to Free Flowing Streams, 391-2000-018, 10/97.
<input type="checkbox"/>	Implementation Guidance for Application of Section 93.5(e) for Potable Water Supply Protection Total Dissolved Solids, Nitrite-Nitrate, Non-Priority Pollutant Phenolics and Fluorides, 391-2000-019, 10/97.
<input type="checkbox"/>	Field Data Collection and Evaluation Protocol for Determining Stream and Point Source Discharge Design Hardness, 391-2000-021, 3/99.
<input type="checkbox"/>	Implementation Guidance for the Determination and Use of Background/Ambient Water Quality in the Determination of Wasteload Allocations and NPDES Effluent Limitations for Toxic Substances, 391-2000-022, 3/1999.
<input type="checkbox"/>	Design Stream Flows, 391-2000-023, 9/98.
<input type="checkbox"/>	Field Data Collection and Evaluation Protocol for Deriving Daily and Hourly Discharge Coefficients of Variation (CV) and Other Discharge Characteristics, 391-2000-024, 10/98.
<input type="checkbox"/>	Evaluations of Phosphorus Discharges to Lakes, Ponds and Impoundments, 391-3200-013, 6/97.
<input checked="" type="checkbox"/>	Pennsylvania's Chesapeake Bay Tributary Strategy Implementation Plan for NPDES Permitting, 4/07.
<input checked="" type="checkbox"/>	SOP: Establishing Effluent Limitations for Individual Industrial Permits, 9/10/13
<input type="checkbox"/>	Other: [redacted]

Attachment:

A. Discharge Location Map

