

Application Type New
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0294322
APS ID 603606
Authorization ID 1465932

Applicant and Facility Information

Applicant Name	<u>Custom Milling & Consulting Inc.</u>	Facility Name	<u>Custom Milling & Consulting</u>
Applicant Address	<u>1246 Maiden Creek Road</u> <u>Fleetwood, PA 19522-8685</u>	Facility Address	<u>1246 Maiden Creek Road</u> <u>Fleetwood, PA 19522-8685</u>
Applicant Contact	<u>Paul Drageland</u>	Facility Contact	<u>Paul Drageland</u>
Applicant Phone	<u>(610) 926-0984</u>	Facility Phone	<u></u>
Client ID	<u>236507</u>	Site ID	<u>646161</u>
SIC Code	<u>2899,5084</u>	Municipality	<u>Maiden Creek Township</u>
SIC Description	<u>Manufacturing - Chemical Preparations, Nec, Wholesale Trade - Industrial Machinery And Equipment</u>	County	<u>Berks</u>
Date Application Received	<u>December 21, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>December 27, 2023</u>	If No, Reason	<u></u>
Purpose of Application	<u>NPDES discharge of stormwater associated with industrial activity.</u>		

Summary of Review

This is a new application for a NPDES individual permit for discharges of stormwater associated with industrial activity located in Maiden Creek Township, Berks County. See Figures 1 and 2 for a Site Location Map and Site Plan.

The facility's primary SIC code is 2899 (chemicals and chemical preparations, not elsewhere classified) which requires an NPDES permit. Since the facility discharges to an EV surface water, the facility must be covered under a NPDES Individual Permit for Discharges of Stormwater Associated with Industrial Activities. If the facility qualified for a PAG-03, they would fall under Appendix F based on their SIC Code.

The facility originally applied for a No Exposure Certification under NNOEXSC71. The No Exposure Certification application was withdrawn since the facility's discharge to an EV receiving water makes it ineligible for a No Exposure Certification.

Facility Description, from Application: The facility operates a toll milling, particle size reduction and dispersion equipment manufacturing and contract manufacturing services solely within four buildings. Materials are moved between buildings in closed box trucks. Empty, new, and sealed customer plastic totes are stored outside the toll milling building (building 1) and building 4. Empty, clean mixing vessels are stored inverted to prevent the contact and accumulation of stormwater within the vessel. Four baghouses are located at the facility and are regularly maintained and contents collected in a drum.

An application was received 12/21/2023. The application was deemed complete on 12/27/2023.

The facility has one outfall that discharges to Peters Creek (EV, MF): Outfalls 001. Outfall 001 is located at the southwestern portion of the site at a culvert pipe downstream of a swale along Maiden Creek Road.

Approve	Deny	Signatures	Date
X		<i>Jacob S. Rakowsky</i> Jacob S. Rakowsky, E.I.T. / Project Manager	12/27/2023
X		<i>Scott M. Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	12/27/2023

Summary of Review

Per the application, the PPC Plan was last updated in September 2023.

Part C permit conditions require semi-annual site inspections as well as implementation of BMPs and implementation of the facility PPC Plan. Given the BMPs in place, the discharge is not expected to have any measurable effect on the water quality of the receiving stream. There are no open violations for the client that would warrant withholding the issuance of this permit.

EPA waiver is in effect.

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.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>N/A</u>
Latitude	<u>40° 27' 53.00"</u>	Longitude	<u>-75° 53' 42.02"</u>
Wastewater Description: <u>Stormwater associated with industrial activities.</u>			
Receiving Waters	<u>Peters Creek (EV, MF)</u>	Stream Code	<u>1994</u>
NHD Com ID	<u>26000152</u>	RMI	<u>1.27</u>
Drainage Area	<u>3.14 sq. mi.</u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>7.4</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Watershed No.	<u>3-B</u>	Chapter 93 Class.	<u>EV, MF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u></u>	Name	<u></u>
Nearest Downstream Public Water Supply Intake	<u>Reading Area Water Authority</u>		
PWS Waters	<u>Lake Ontelaunee</u>	Municipality	<u>Ontelaunee Township, Berks County</u>
PWS RMI	<u>3.02</u>	Distance from Outfall (mi)	<u>~4.1</u>

Drainage Area: 225,000 SF

% Impervious: 52%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
 From Application, lidded dumpsters and trash compactor, potential leaks from vehicles

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
 From application, Spill response and contingency planning, inspection and monitoring program, preventative maintenance, housekeeping program, employee training

Compliance History	
Summary of DMRs:	Since this is an application for a new permit, DMR data is not available. A summary of sampling results can be found in Table 1 below.
Summary of Inspections:	Since this is an application for a new permit, inspections have not been conducted at the site.

Table 1. Application Sampling Results

Pollutant	Outfall 001
Oil and Grease (mg/L)	1.6
BOD5 (mg/L)	ND
COD (mg/L)	58
TSS (mg/L)	1.6
TN (mg/L)	1.4
TP (mg/L)	0.24
pH (mg/L)	7.2

Proposed Effluent Limitations and Monitoring Requirements

Based on the facility's **SIC Code of 2899**, the **applicable PAG-03** NPDES Permit for Discharges of Stormwater Associated with Industrial Activity (effective 3/24/2023) appendix is **Appendix F**, which would include the following monitoring requirements:

Table 2. PAG-03, Appendix F Requirements

Parameter	Monitoring Requirements ^{(1),(2)}		Benchmark Values
	Minimum Measurement Frequency	Sample Type	
Total Nitrogen (mg/L) ⁽³⁾	1 / 6 months	Calculation	XXX
Total Phosphorus (mg/L)	1 / 6 months	Grab	XXX
pH (S.U.)	1 / 6 months	Grab	9.0
Chemical Oxygen Demand (mg/L)	1 / 6 months	Grab	120
Total Suspended Solids (TSS) (mg/L)	1 / 6 months	Grab	100
Nitrate + Nitrite-Nitrogen (mg/L)	1 / 6 months	Grab	3.0
Total Lead (mg/L)	1 / 6 months	Grab	XXX
Total Zinc (mg/L)	1 / 6 months	Grab	XXX
Total Iron (mg/L)	1 / 6 months	Grab	XXX
Total Aluminum (mg/L)	1 / 6 months	Grab	XXX

Footnotes

- (1) In accordance with Part C V.C, the permittee shall conduct additional monitoring if specified by DEP in the letter authorizing permit coverage or other correspondence.
- (2) This is the minimum number of sampling events required. Permittees may optionally perform additional sampling.
- (3) Total Nitrogen is the sum of Total Kjeldahl-N (TKN) plus Nitrite-Nitrate as N (NO₂+NO₃-N), where TKN and NO₂+NO₃-N are measured in the same sample.

Table 3. Proposed Monitoring Requirements

Parameter	Effluent Limitations				Monitoring Requirements	
	Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Nitrogen (mg/L)	XXX	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
pH (S.U.)	XXX	XXX	Report	XXX	1/6 months	Grab
Chemical Oxygen Demand (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Suspended Solids (TSS) (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Nitrate + Nitrite-Nitrogen (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Lead (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Zinc (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab

All required parameters from PAG-03 Appendix F are included in this permit. Benchmarks for TSS of 100 mg/L, Nitrate + Nitrite-Nitrogen of 3.0 mg/L, pH of 9.0 S.U., and COD of 120 mg/L are included, which is typical of the monitoring requirements for PAG-03 Appendices (effective 3/24/2023). The BMPs from Appendix F are included. The requirement to submit an Annual Report is included. The requirement for routine inspections on a semiannual basis is included.

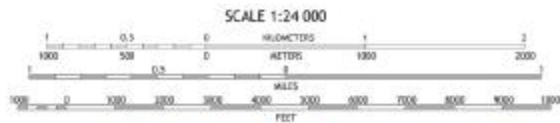
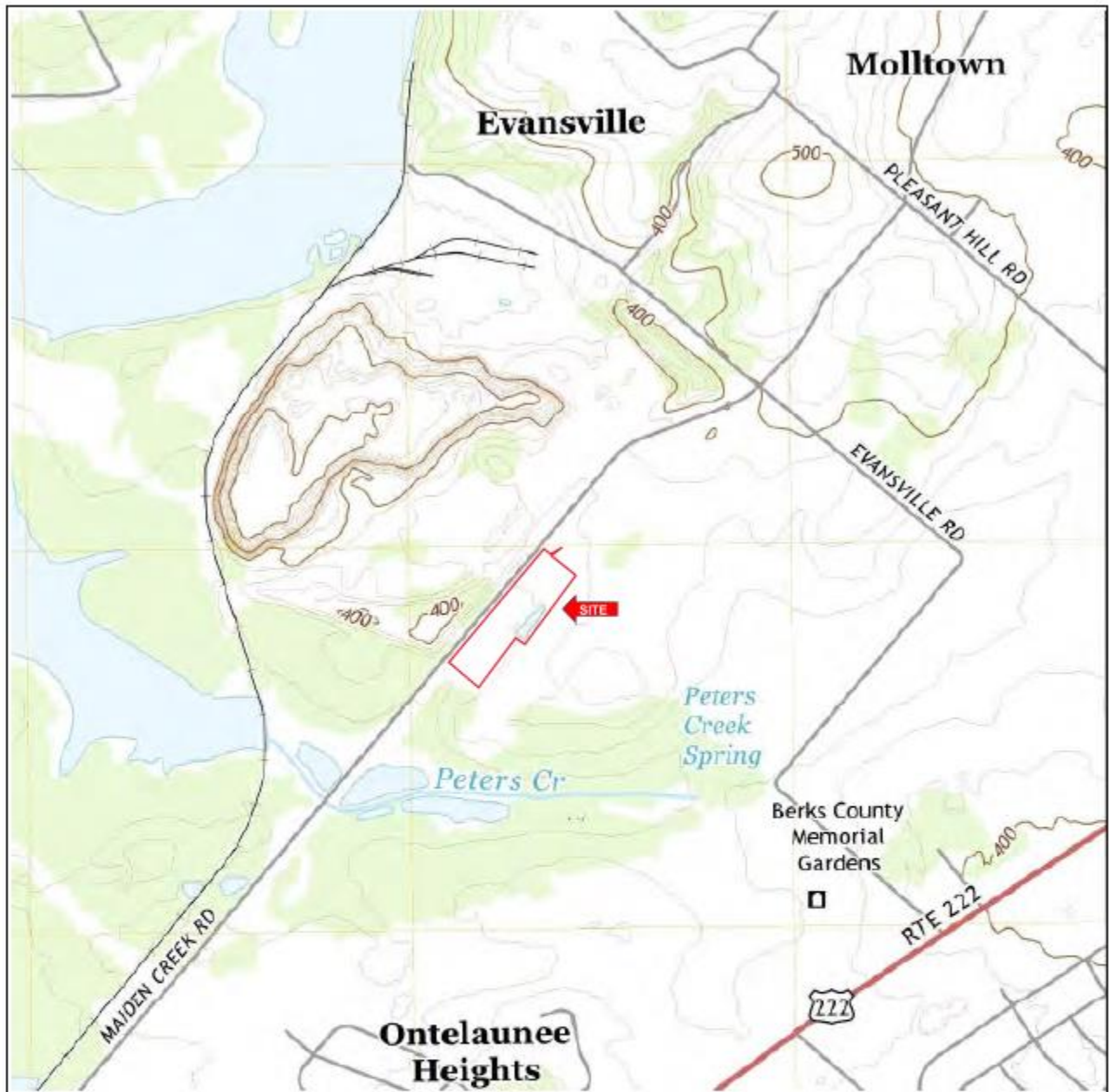
Antidegradation (93.4):

Since the applicant has an existing discharge to HQ or EV waters and is seeking a permit for the first time, Module 1 (Anti Degradation Module) was included with the application.

The property has been operating as industrial use for over 15 years with commercial agriculture preceding the current operations. Therefore, operating at a different location is technically infeasible. The property sits at the base of rolling hills to the southeast. Runoff from the off-site access road and the abandoned farm run downgradient and comeingle with stormwater runoff from Custom Milling & Consulting LLC. Stormwater runs towards Maiden Creek and then down the road to the southwest towards Peter Creek. Currently the facility pumps some stormwater upgradient to the non-site retention pond. However, modifying the topography to direct all industrial stormwater to the upgradient retention pond is environmentally unsound. There are two retention ponds on-site upgradient to the industrial operations. To create another retention pond to prevent the discharge of Outfall 001 is cost prohibitive, and potentially environmentally unsound and technically infeasible due to the volume required to prevent discharge. Outfall 001 receives stormwater runoff from off-site sources in addition to Custom Milling & Consulting's operations.

The effluent limits for this discharge have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected. Best Management Practices will ensure that the existing instream uses are protected. No Exceptional Value Waters are impacted by this discharge.

The designated use of the receiving waters are as follows:
 Peters Creek (EV, MF)



UNITED STATES GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR/USGS
TEMPLE QUADRANGLE
PENNSYLVANIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
2019



Figure 1. Site Location Map

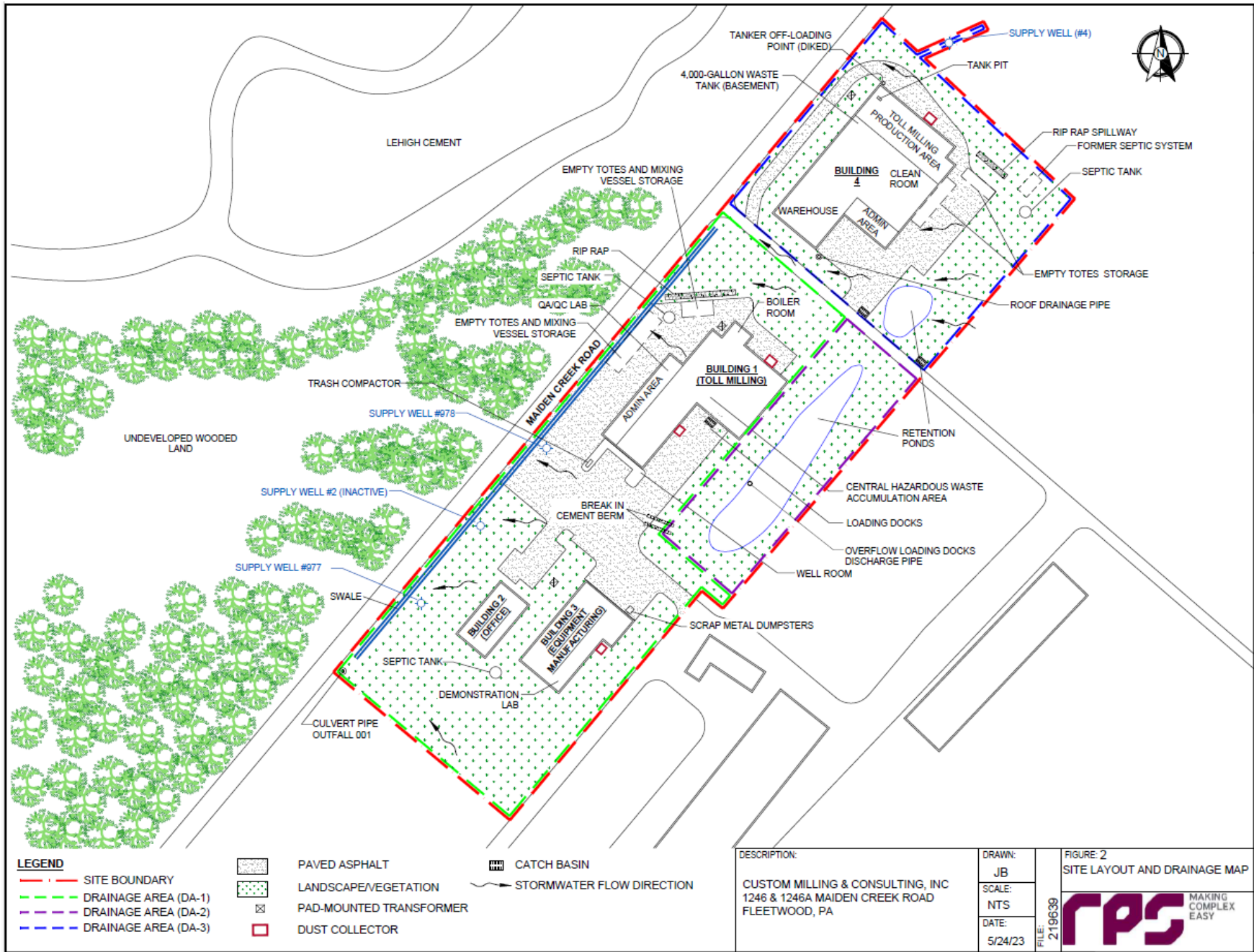


Figure 2. Site Plan