

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

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

Application No. PAS203505
APS ID 356093
Authorization ID 1422136

Applicant and Facility Information

Applicant Name	<u>Lane Enterprises Inc.</u>	Facility Name	<u>Lane Enterprises Inc.</u>
Applicant Address	<u>3905 Hartzdale Drive Suite 514 Camp Hill, PA 17011-7837</u>	Facility Address	<u>1244 Claremont Road Carlisle, PA 17015-9742</u>
Applicant Contact	<u>Derrick Chamberlain</u>	Facility Contact	<u>Todd Strohm</u>
Applicant Phone	<u>(717) 761-8175</u>	Facility Phone	<u>(717) 249-8342</u>
Client ID	<u>166925</u>	Site ID	<u>451036</u>
SIC Code	<u>3479</u>	Municipality	<u>Middlesex Township</u>
SIC Description	<u>Manufacturing - Metal Coating And Allied Services</u>	County	<u>Cumberland</u>
Date Application Received	<u>January 3, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>April 5, 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 renewal application for a NPDES individual permit for discharges of stormwater associated with industrial activity located in Middlesex Township, Cumberland County. See Figures 1 and 2 for Site Location and Site Plan.

The facility's SIC code is 3479 (manufacturing – metal coating and allied services) which requires an NPDES permit. Since the facility discharges to an HQ-CWF surface water, the facility must be covered under a NPDES Individual Permit for Discharges of Stormwater Associated with Industrial Activities.

Facility Description, from application: uncoated raw steel products, rebar, and custom products. Also coated (finished) with epoxy coating/metal finishes. If the facility qualified for a PAG-03, they would fall under Appendix U based on their SIC Code.

An application was received 1/3/2023. DEP sent an incomplete deficiency notice on 1/10/2023. The application was deemed complete on 4/5/2023. DEP sent a technical deficiency notice on 4/5/2023. The deficiencies were addressed on 4/6/2023.

The facility has two outfalls that discharge to a UNT to Letort Spring Run (HQ-CWF): Outfalls 001 and 002. Outfall 001 is located towards the northeastern portion of the facility and drains the northern portion of the site at twin CMPs. Outfall 002 is located towards the southeastern portion of the facility and drains the southern portion of the site at a drainage swale.

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.

Approve	Deny	Signatures	Date
X		<i>Jacob S. Rakowsky</i> Jacob S. Rakowsky, E.I.T. / Project Manager	4/25/2023
X		<i>Scott M. Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	4/26/2023

Summary of Review

The PPC Plan was last updated January 2023.

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° 13' 13.66"</u>	Longitude	<u>-77° 8' 16.38"</u>
Wastewater Description: <u>Stormwater associated with industrial activity.</u>			
Receiving Waters	<u>Unnamed Tributary to Letort Spring Run (HQ-CWF, MF)</u>	Stream Code	<u>10262</u>
NHD Com ID	<u>56405535</u>	RMI	<u>0.4</u>
Drainage Area	<u>1.88 sq. mi.</u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>17.1</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Watershed No.	<u>7-B</u>	Chapter 93 Class.	<u>HQ-CWF, 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>PA American Water Company West</u>		
PWS Waters	<u>Conodoguinet Creek</u>	Location	<u>Silver Spring Twp, Cumberland County</u>
PWS RMI	<u>19.1</u>	Distance from Outfall (mi)	<u>~15</u>

Drainage Area: 2,880,000 SF

% Impervious: 2%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:

Off-site runoff (59 acres residential and farmland) and gravel storage yard for construction steel rebar (bare steel and coated rebar). 59 of the 66-acre drainage area consists of off-site runoff.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater: Yard, inlet, and outfall policed monthly for debris and the required annual inspection is completed and filed with PADEP.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>002</u>	Design Flow (MGD)	<u>N/A</u>
Latitude	<u>40° 13' 7.68"</u>	Longitude	<u>-77° 8' 14.17"</u>
Wastewater Description: <u>Stormwater associated with industrial activity.</u>			
Receiving Waters	<u>Unnamed Tributary to Letort Spring Run (HQ-CWF, MF)</u>	Stream Code	<u>10262</u>
NHD Com ID	<u>56405535</u>	RMI	<u>0.4</u>
Drainage Area	<u>1.88 sq. mi.</u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>17.1</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Watershed No.	<u>7-B</u>	Chapter 93 Class.	<u>HQ-CWF, 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>PA American Water Company West</u>		
PWS Waters	<u>Conodoguinet Creek</u>	Flow at Intake (cfs)	<u>Silver Spring Twp, Cumberland County</u>
PWS RMI	<u>19.1</u>	Distance from Outfall (mi)	<u>~15</u>

Drainage Area: 217,880 SF

% Impervious: 10%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
Plant building and gravel storage yard for construction steel rebar (bare steel and coated steel)

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater: Yard, inlet, and outfall policed monthly for debris and the required annual inspection is completed and filed with PADEP.

Compliance History	
Summary of DMRs:	A summary of DMR data and application sampling results can be found below in Table 1 and Table 2.
Summary of Inspections:	The facility was last inspected on 9/30/2020. No violations were noted.

Other Comments: There are currently no open violations for the client that should affect issuance of the permit.

Table 1. Outfall 001 2020-2023 DMR and Application Results (mg/L)

Outfall 001	Total Aluminum	Total Iron	Nitrate-Nitrite as N	pH (S.U.)	TSS	Total Zinc	Oil & Grease	BOD5	COD	TN	TP
2020 1 st Half	0.94	2.1	<0.2	7.98	108	0.1	-	-	-	-	-
2020 2 nd Half	<0.05	<0.03	<0.5	7.26	<5	0.16	-	-	-	-	-
2021 1 st Half	0.56	1.1	<0.2	7.75	64	0.5	-	-	-	-	-
2021 2 nd Half	0.23	0.76	0.56	8.27	317	0.11	-	-	-	-	-
2022 1 st Half	0.41	1.6	<0.01	8.4	21	0.59	-	-	-	-	-
2022 2 nd Half	1.3	2.1	<0.00001	8.07	68	0.36	-	-	-	-	-
2023 Application	2.1	4.6	-	8.0	690	0.79	ND	16.2	136	1.78	0.30
Max.	2.1	4.6	0.56	8.4	690	0.79	ND	16.20	136	1.78	0.30
Avg.	0.80	1.76	0.25	7.96	211	0.37	ND	16.20	136.00	1.78	0.30

Table 2. Outfall 002 2020-2023 DMR and Application Results (mg/L)

Outfall 002	Total Aluminum	Total Iron	Nitrate-Nitrite as N	pH (S.U.)	TSS	Total Zinc	Oil & Grease	BOD5	COD	TN	TP
2020 1 st Half	<0.05	0.17	0.38	7.14	7	0.94	-	-	-	-	-
2020 2 nd Half	0.76	1.4	0.6	8.15	97	0.064	-	-	-	-	-
2021 1 st Half	<0.1	0.04	<0.2	7.15	<5	0.21	-	-	-	-	-
2021 2 nd Half	<0.05	0.034	<0.2	8.66	38	0.18	-	-	-	-	-
2022 1 st Half	0.19	0.81	<0.01	8.62	46	0.60	-	-	-	-	-
2022 2 nd Half	1.1	2.4	<0.00001	8.08	137	0.27	-	-	-	-	-
2023 Application	1.2	3.6	-	8.04	464	0.66	ND	4.3	114	1.20	0.32
Max.	1.2	3.6	0.6	8.66	464	0.94	ND	4.3	114	1.2	0.32
Avg.	0.49	1.21	0.23	7.98	113	0.42	ND	4.3	114	1.2	0.32

Proposed Effluent Limitations and Monitoring Requirements

Based on the facility's **SIC Code of 3479**, the **applicable PAG-03** NPDES Permit for Discharges of Stormwater Associated with Industrial Activity (effective 3/24/2023) appendix is **Appendix U**, which would include the following monitoring requirements:

Table 3. PAG-03, Appendix U 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
Total Suspended Solids (TSS) (mg/L)	1 / 6 months	Grab	100
Oil and Grease	1 / 6 months	Grab	30
Nitrate + Nitrite-Nitrogen (mg/L)	1 / 6 months	Grab	3.0
Total Aluminum (mg/L)	1 / 6 months	Grab	XXX
Total Iron (mg/L)	1 / 6 months	Grab	XXX
Total Zinc (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 4. 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	XXX	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus	XXX	XXX	Report	XXX	1/6 months	Grab
pH	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	Report	XXX	1/6 months	Grab
Nitrate + Nitrite-Nitrogen	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	Report	XXX	1/6 months	Grab
Total Zinc	XXX	XXX	Report	XXX	1/6 months	Grab

All required parameters from PAG-03 Appendix U are included in this permit.

Benchmarks for pH of 9.0 S.U., TSS of 100 mg/L, Oil and Grease of 30 mg/L, and Nitrate+Nitrite-Nitrogen of 3.0 mg/L are included, which is typical of the monitoring requirements for PAG-03 Appendices (effective 3/24/2023).

The BMPs from Appendix U 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):

The applicant is not proposing a new discharge to a High Quality (HQ) or Exceptional Value (EV) water, so Module 1 (Anti Degradation Module) was not needed.

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:

UNT to Letort Spring Run (HQ-CWF, MF)



Figure 1. Site Location

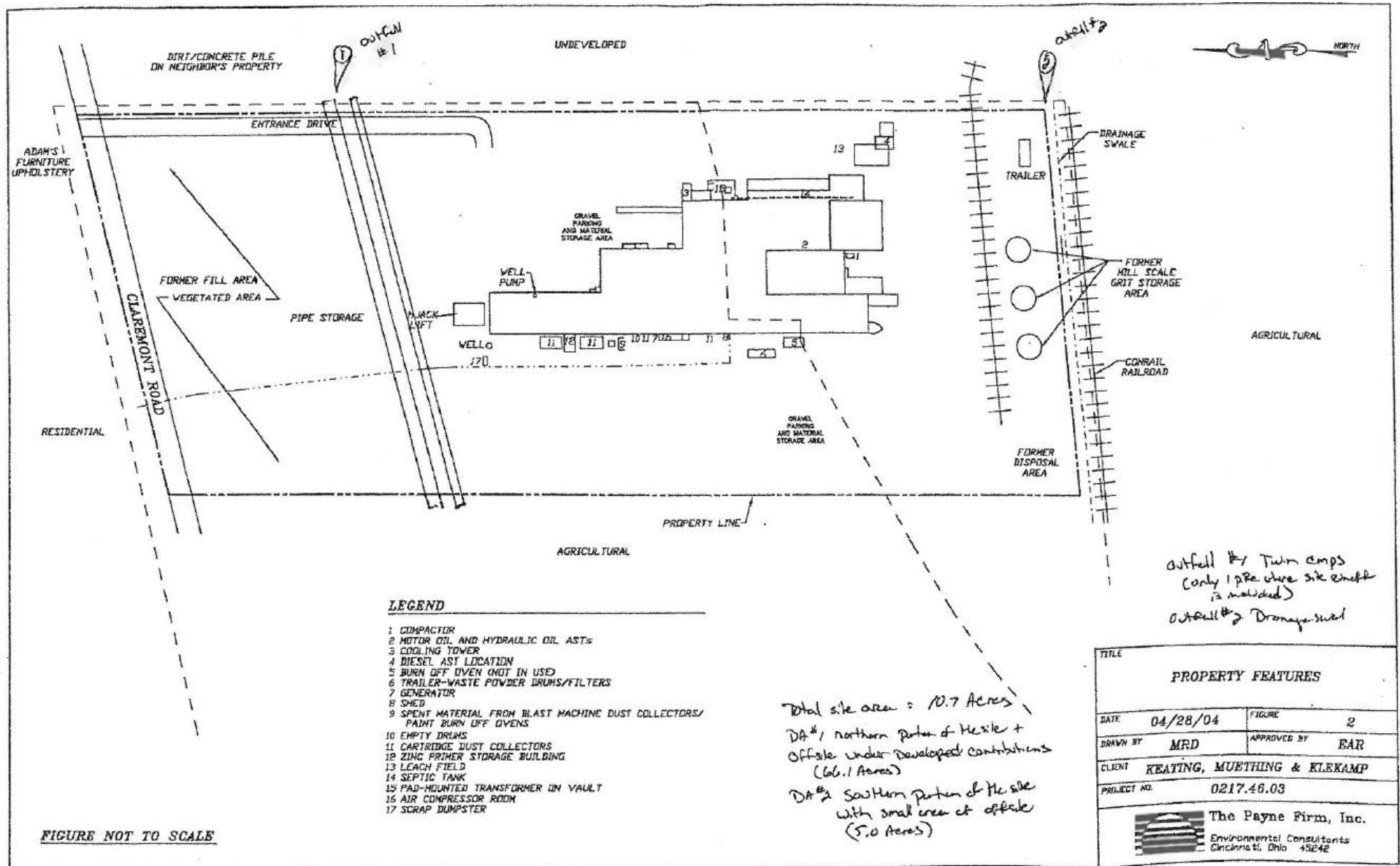


Figure 2. Site Plan