

Application Type New
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0294306
APS ID 1102267
Authorization ID 1464280

Applicant and Facility Information

Applicant Name	<u>Love's Travel Stops & Country Stores Inc.</u>	Facility Name	<u>Love's Travel Stop #407 Carlisle</u>
Applicant Address	<u>PO Box 26210 Oklahoma City, OK 73126-0210</u>	Facility Address	<u>1165 Harrisburg Pike Carlisle, PA 17013-1669</u>
Applicant Contact	<u>Caleb Harrison</u>	Facility Contact	<u>Caleb Harrison</u>
Applicant Phone	<u>(405) 308-8516</u>	Facility Phone	<u>(405) 308-8516</u>
Client ID	<u>242623</u>	Site ID	<u>868688</u>
SIC Code	<u>5411,5541,7538</u>	Municipality	<u>Middlesex Township</u>
SIC Description	<u>Retail Trade - Gasoline Service Stations, Retail Trade - Grocery Stores, Services - General Automotive Repair Shops</u>	County	<u>Cumberland</u>
Date Application Received	<u>December 8, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>January 12, 2024</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 Middlesex Township, Cumberland County. See Figures 1 and 2 for a Site Plan and Site Location Map.

The facility's primary SIC code is 5541 (gasoline service stations). SIC code of 5541 is not directly referenced in 40 CFR § 122.26(b)(14). The facility is seeking coverage under an NPDES permit to modify their oil water separator discharge and connect it to the onsite stormwater detention pond.

Facility description and reason for applying, from Application:

Currently, the facility is an operating travel stop with retail sales of gasoline and diesel fuel. Catch basins in the UST/fuel drop area and under the truck fueling canopy route storm water and any spillage to a 5,000-gal oil/water separator located on the south side of the diesel dispensers. The approximate area draining to the separator is 7,000 sq ft. The separator discharge is currently capped, and the water is pumped out monthly.

Love's is requesting to modify the separator discharge and connect it to the onsite storm water retention/detention pond, which is located on the southeast side of the site. The separator discharge would tie into an existing storm sewer pipe that leads to a wet pond. The outlet sump for the wet pond is a concrete basin with a 90-degree downturn outlet pipe, which functions as an underflow device. The pipe discharges to a detention basin, which provides settling for solids and flow equalization following rain events. The detention pond discharges via a 30" pipe to a drainage ditch along I-76, which flows 0.15 mile east into Letort Spring Run southeast of the site. Outfall 001 will be located at the end of the discharge pipe from the detention pond.

Approve	Deny	Signatures	Date
X		Jacob S. Rakowsky Jacob S Rakowsky, E.I.T. / Project Manager	1/16/2024
X		Scott M. Arwood Scott M. Arwood, P.E. / Environmental Engineer Manager	1/16/2024

Summary of Review

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. If the facility qualified for a PAG-03, they would fall under Appendix L (Land Transportation and Petroleum Stations and Terminals) since it is the most applicable appendix to their facility.

An application was received 12/8/2023. The application fee was received on 1/12/2024. The application was deemed complete on 1/12/2024.

The facility is proposing one outfall that discharges to a Letort Spring Run (HQ-CWF, MF): Outfalls 001. Outfall 001 will be located at the end of the discharge pipe from the detention pond at the southeast side of the site.

Per the application, the PPC Plan was last updated in July 2021.

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. The client currently has open violations that will need to be addressed prior to issuance of the final 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° 13' 43"</u>	Longitude	<u>-77° 8' 31"</u>
Wastewater Description: <u>Stormwater associated with industrial activity.</u>			
Receiving Waters	<u>Letort Spring Run (HQ-CWF, MF)</u>	Stream Code	<u>10261</u>
NHD Com ID	<u>56405761</u>	RMI	<u>0.95</u>
Drainage Area	<u>18.1 sq. mi.</u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>16.9</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>	Municipality	<u>Silver Spring Twp, Cumberland County</u>
PWS RMI	<u>19.03</u>	Distance from Outfall (mi)	<u>15.4</u>

Drainage Area: 327,438 SF

% Impervious: 100%

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

From Application: *Gasoline and diesel fuel are unloaded from tanker trucks into underground storage tanks. Fuel is dispensed into customers' vehicles at the auto fuel islands and truck fuel lanes. Spills in these two areas may come into contact with storm water. Catch basins in the fuel drop area and under the canopy collect storm water and pavement wash water; the water is routed to an oil/water separator. Currently, the discharge from the separator is capped. Under this permit, the separator discharge would be routed to an onsite storm water pond; the pond discharges offsite. Truck repair services (tire and oil changes) are performed indoors and are not likely to come into contact with storm water.*

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:

From Application: *Oil/water separator, retention/detention ponds.*

Compliance History	
Summary of DMRs:	<p>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.</p> <p>The facility was not required to submit impairment sampling results because the impairment cause of the receiving water did not require additional pollutants to be sampled or the receiving water was not impaired. The discharge is not expected to cause or contribute to an impairment.</p>
Summary of Inspections:	<p>Since this is an application for a new permit, inspections have not been conducted at the site.</p>

The client currently has open violations with DEP Northwest Regional Office that will need to be addressed prior to issuing the final permit.

Table 1. Application Sampling Results

Pollutant	Outfall 001
Oil and Grease (mg/L)	ND
BOD5 (mg/L)	12.4
COD (mg/L)	59.2
TSS (mg/L)	ND
TN (mg/L)	4.5
TP (mg/L)	ND
pH (mg/L)	7.7
Benzene (mg/L)	ND
Ethylbenzene (mg/L)	ND
Toluene (mg/L)	ND
Total Xylenes (mg/L)	ND

Proposed Effluent Limitations and Monitoring Requirements

Based on the facility's primary **SIC Code of 5541**, the most **applicable PAG-03** NPDES Permit for Discharges of Stormwater Associated with Industrial Activity (effective 3/24/2023) appendix is **Appendix L**, which would include the following monitoring requirements:

Table 2. PAG-03, Appendix L 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
Total Suspended Solids (TSS) (mg/L)	1 / 6 months	Grab	100
Oil and Grease (mg/L)	1 / 6 months	Grab	30

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
TSS (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab

All required parameters from PAG-03 Appendix L are included in this permit.
 Benchmarks for TSS of 100 mg/L, Oil and Grease of 30 mg/L are included, which are typical of the monitoring requirements for PAG-03 Appendices (effective 3/24/2023).
 The BMPs from Appendix L 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):

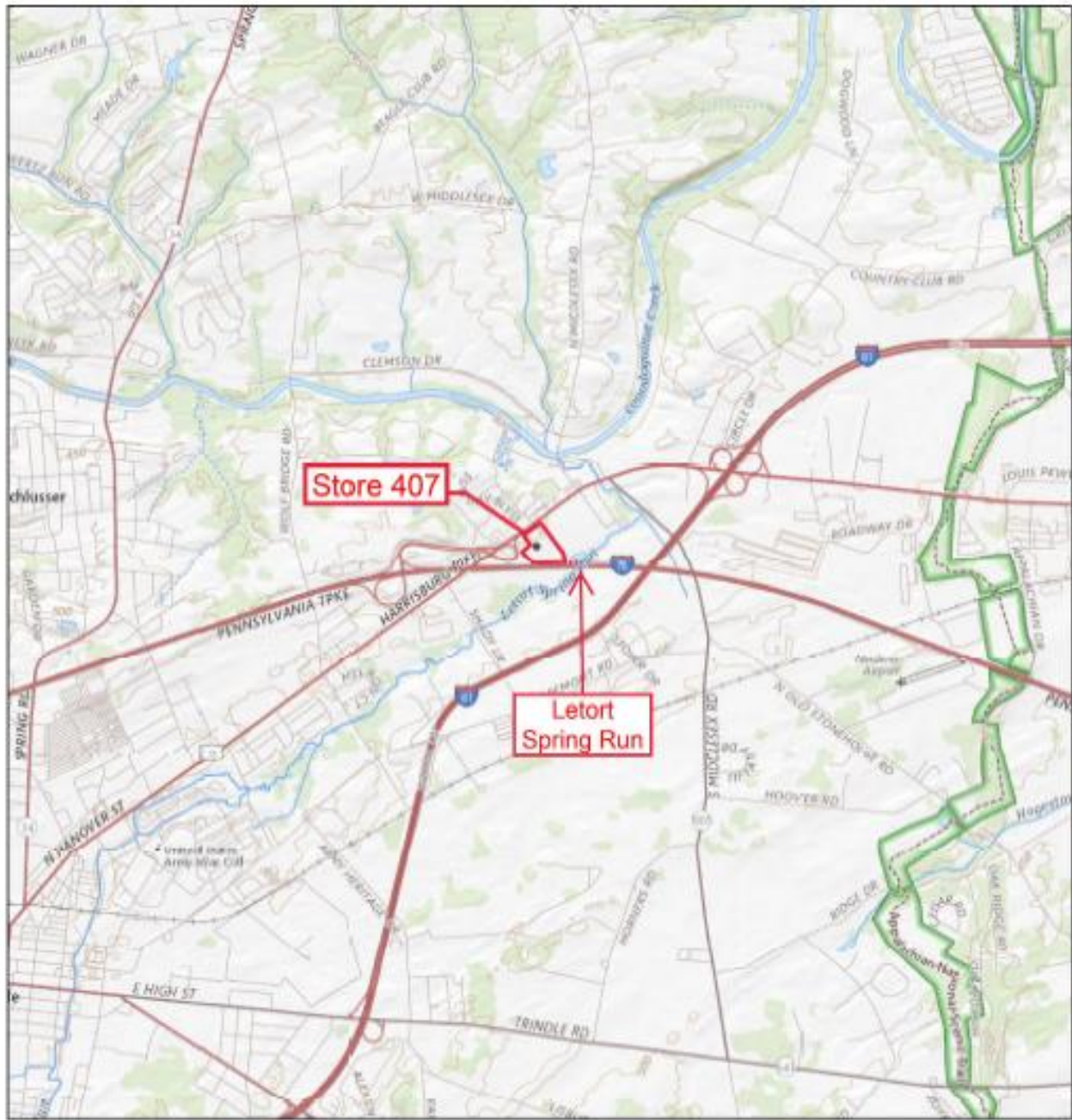
Since the applicant is proposing to discharge to HQ or EV waters and is seeking a permit for the first time, Module 1 (Anti Degradation Module) was included with the application.

The site was developed as a truck stop in 1997 by a different owner/operator. Love's acquired the site and took over operations on July 8, 2010. The onsite detention/retention pond has been discharging to the current receiving water since site development. Alternative project siting, alternative discharge location, and constructed treatment wetlands are not feasible alternatives for an existing facility.

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:
Letort Spring Run (HQ-CWF, MF)

The National Map Advanced Viewer



12/15/2020, 10:41:52 AM

FIGURE 2
SITE LOCATION MAP

Love's Country Stores, Inc. #407

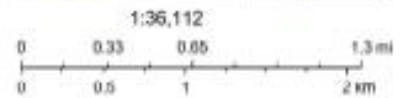


Figure 2. Site Location Map