pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southcentral Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0266680**
Facility Type	**Storm Water**	APS ID	**986206**
Major / Minor	**Minor**	Authorization ID	**1434792**

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

Applicant and Facility Information

Applicant Name	**Amazon.com Services LLC**	Facility Name	**Amazon.com Services LLC - PHL4**
Applicant Address	PO Box 80842 Attn: NA Environmental Department Seattle, WA 98108-0842	Facility Address	21 Roadway Drive Carlisle, PA 17015
Applicant Contact	Claudia Salomon	Facility Contact	Jody Hawks
Applicant Phone	(206) 266-1036	Facility Phone	(304) 920-1956
Client ID	347742	Site ID	637531
SIC Code	4225	Municipality	Middlesex Township
SIC Description	Trans. & Utilities - General Warehousing And Storage	County	Cumberland
Date Application Received	April 3, 2023	EPA Waived?	Yes
Date Application Accepted	April 10, 2023	If No, Reason	

Purpose of Application: NPDES discharge of stormwater associated with industrial activity.

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 4225 (motor freight transportation and warehousing) 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: warehousing and distribution center, vehicle loading and unloading, vehicle and diesel tank fueling, vehicle washing, and vehicle maintenance. If the facility qualified for a PAG-03, they would fall under Appendix L based on their SIC Code.

An application was received 4/3/2023. The application was deemed complete on 4/10/2023.

The facility has one outfall that discharges to a UNT to Letort Spring Run (HQ-CWF): Outfall 002. Outfall 002 is located near the outlet of a detention basin at the northern portion of the facility. The facility was previously permitted for two outfalls, Outfall 001 and Outfall 002, but the permit was amended in 2021 to remove Outfall 001 after it was discovered that Outfall 001 ultimately drains to Outfall 002.

The PPC Plan was last updated November 2022.

Approve	Deny	Signatures	Date
X		*Jacob S. Rakowsky* Jacob S. Rakowsky, E.I.T. / Project Manager	5/4/2023
X		*Scott M. Arwood* Scott M. Arwood, P.E. / Environmental Engineer Manager	5/4/2023

Summary of Review

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.	002	Design Flow (MGD)	N/A
Latitude	40º 13' 43.59"	Longitude	-77º 6' 48.48"
Wastewater Description:	Stormwater associated with industrial activity.		
Receiving Waters	Unnamed Tributary to Letort Spring Run (HQ-CWF, MF)	Stream Code	10262
NHD Com ID	56405535	RMI	0.1
Drainage Area	21.7	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	23.4	Q_{7-10} Basis	StreamStats
Watershed No.	7-B	Chapter 93 Class.	HQ-CWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	PA American Company West		
PWS Waters	Conodoguinet Creek	Location	Silver Spring Twp, Cumberland County
PWS RMI	19.1	Distance from Outfall (mi)	~15

Drainage Area: 1,709,331 SF

% Impervious: 61%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
From application, general warehousing and storage, a shipping dock area for loading and unloading of merchandise. Additional industrial activities that may occur on-site include vehicle and equipment fueling, vehicle and equipment storage and maintenance, and vehicle and equipment cleaning.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
From application, trailers/vehicles are maintained in good condition and inspected regularly for leaks. Absorbents contained in spill kits located throughout the yard are used as needed to control leaks prior to and during vehicle/trailer maintenance. Trailer/vehicle maintenance and on-site fueling, if conducted, are in accordance with the applicable SOPs and occur in the designated area on an impervious surface at least 50 feet from the nearest storm drain. If conducted, vehicle/trailer washing occurs in the designated area and in accordance with the relevant SOP, which includes complete capture of all wash waters for offsite disposal. All debris swept out from trailers are collected and properly disposed. The area around the trailer and surrounding pavement is inspected prior to trailer departure. All commercial solid waste is collected in a covered compactor. All goods are finished; clean metal racking and wooden pallets may be stored outdoors.

Compliance History	
Summary of DMRs:	A summary of DMR and application sampling data can be found in Table 1 below.
Summary of Inspections:	The facility was last inspected on 10/1/2020. No violations were noted.

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

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

Outfall 002	Oil and Grease	TSS	BOD5	COD	TN	TP	pH (S.U)
2020 1st Half	4.4	6.0	-	-	-	-	-
2020 2nd Half	<1.3	<4.0	-	-	-	-	-
2021 1st Half	<1.1	6.0	-	-	-	-	-
2021 2nd Half	2.0	2.0	-	-	-	-	-
2022 1st Half	1.6	<4.0	-	-	-	-	-
2022 2nd Half	4.9	21.0	-	-	-	-	-
2023 Application	-	-	2.7	25	0.39	0.096	7.43
Max.	4.9	21.0	2.7	25	0.39	0.096	7.43
Avg.	1.1	2.0	2.7	25	0.39	0.096	7.43

Proposed Effluent Limitations and Monitoring Requirements

Based on the facility's **SIC Code of 4225**, the **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	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	XXX	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus	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

All required parameters from PAG-03 Appendix L are included in this permit.
Benchmarks for TSS of 100 mg/L and Oil and Grease of 30 mg/L are included, which is 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):

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)

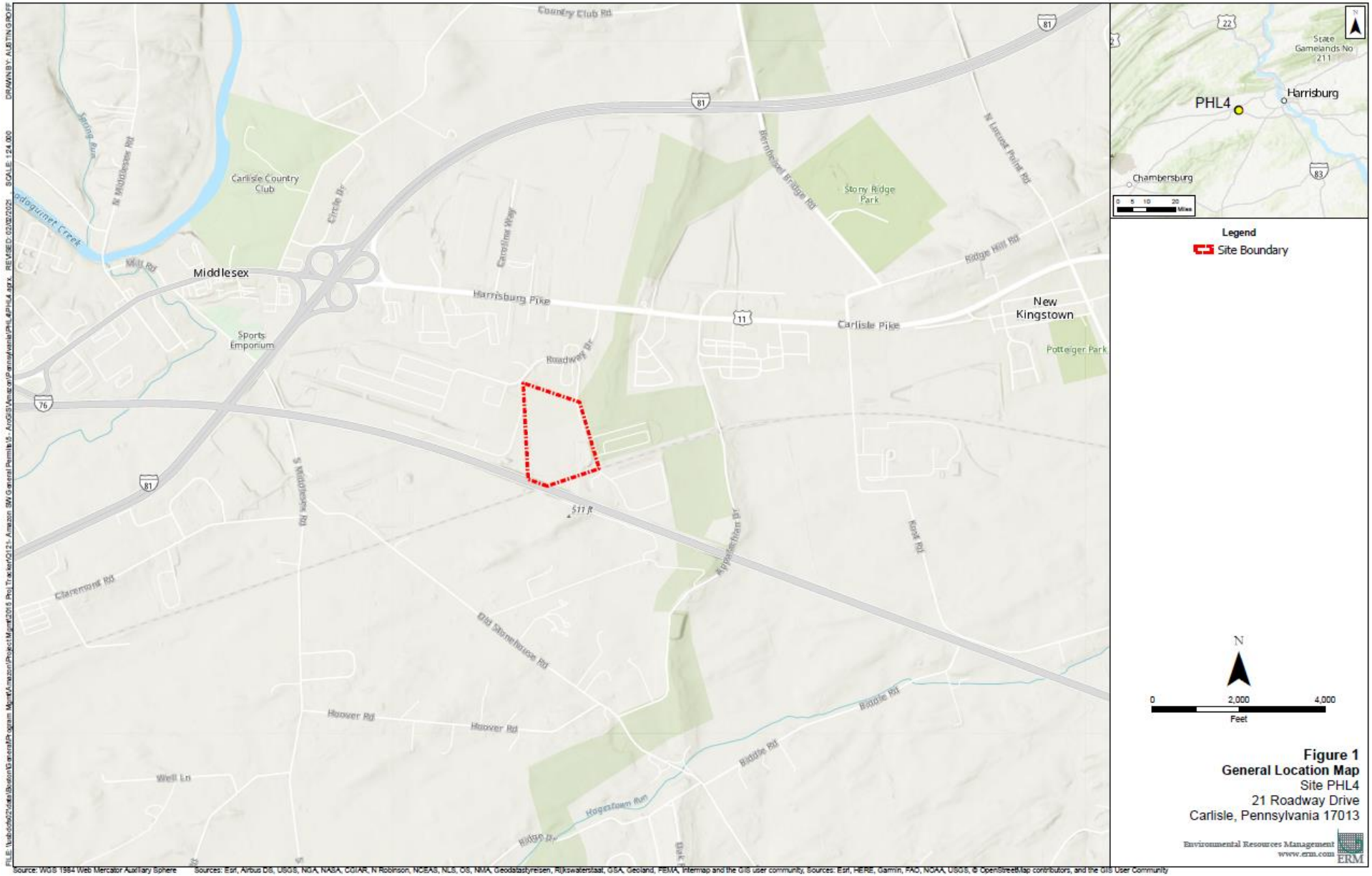

Figure 1. Site Location

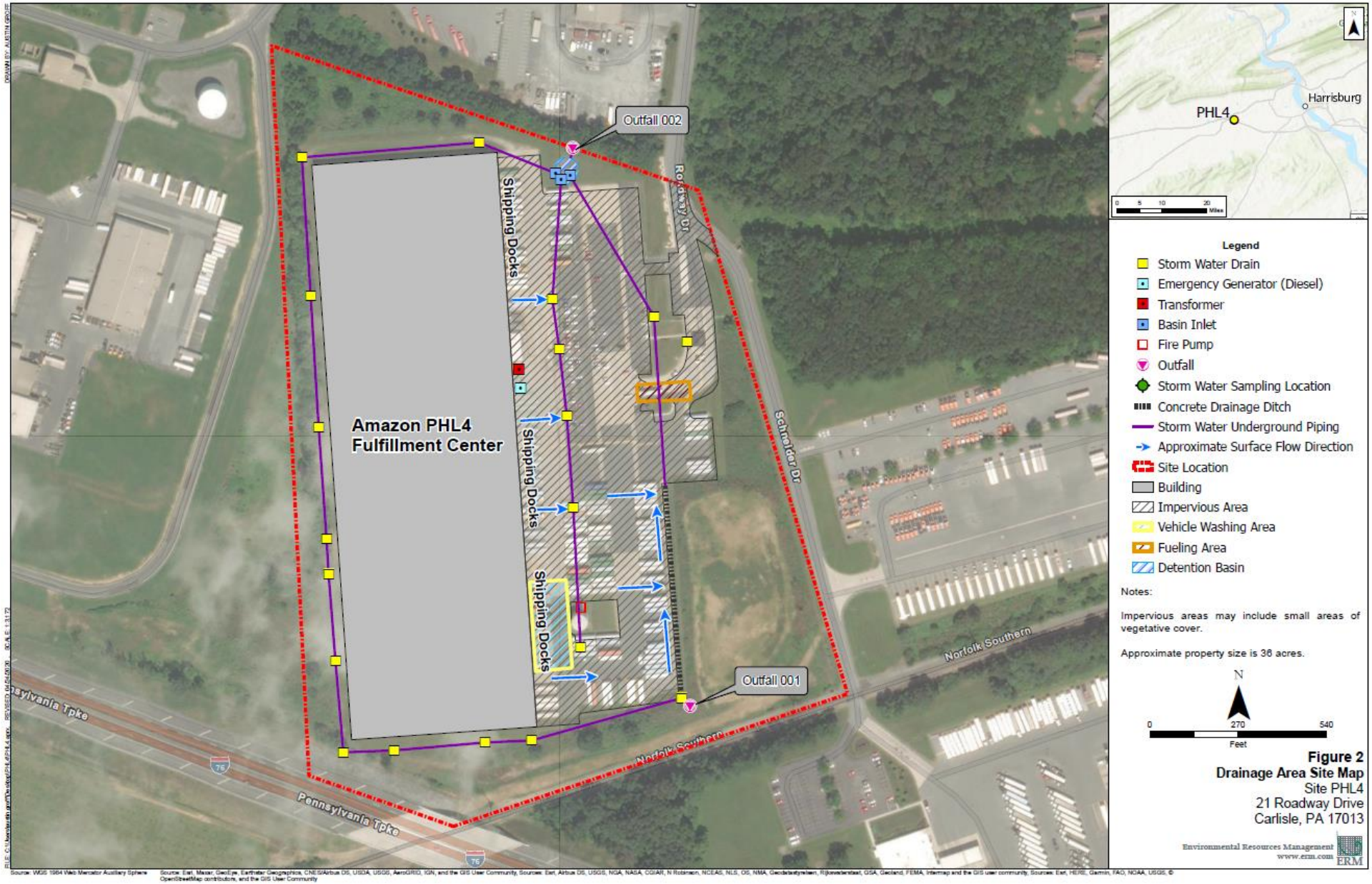

Figure 2. Site Plan