



Application Type
Facility Type
Major / Minor

Renewal
Storm Water
Minor

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

Application No. **PAS803507**
APS ID **337655**
Authorization ID **1521592**

Applicant and Facility Information

Applicant Name	Naval Support Activity Mechanicsburg	Facility Name	Naval Support Activity Mechanicsburg
Applicant Address	5450 Carlisle Pike Building 305 Mechanicsburg, PA 17050-2411	Facility Address	5450 Carlisle Pike Bldg 305 Mechanicsburg, PA 17050-2411
Applicant Contact	Catherine Mann	Facility Contact	Catherine Mann
Applicant Phone	(717) 605-2179	Facility Phone	(717) 605-2179
Client ID	175192	Site ID	444007
SIC Code	4225,5093 Trans. & Utilities - Bus Terminal And Service Facilities,Trans. & Utilities - General Warehousing And Storage,Wholesale Trade - Scrap And Waste Materials	Municipality	Hampden Township
SIC Description		County	Cumberland
Date Application Received	April 1, 2025	EPA Waived?	Yes
Date Application Accepted	April 10, 2025	If No, Reason	
Purpose of Application	NPDES discharge of stormwater associated with industrial activity.		

Summary of Review

This is a renewal for a NPDES individual permit to discharge stormwater associated with industrial activity located in Hampden Township, Cumberland County. Facility activities include general warehousing operations and outdoor storage of scrap and waste material. All other industrial activities are performed inside and are not exposed to precipitation. See Figures 1 and 1a for Site Plans.

The facility's SIC codes, 4225 (General Warehousing) and 5093 (Scrap and Waste Material), require an NPDES permit for discharges of stormwater associated with industrial activity. SIC code 4225 makes up 90% of the facility's activities and SIC code 5093 makes up 10% of the activities.

The facility discharges to Unnamed Tributary 10223 to Trindle Spring Run (HQ-CWF). Due to the receiving stream's designated use of HQ-CWF, the facility is not eligible for PAG-03 General NPDES Permit coverage and must be covered by an Individual Permit. Based on the facility's SIC codes, the facility would fall under Appendix L of the PAG-03 General NPDES Permit for SIC code 4225 and Appendix P of the PAG-03 General NPDES Permit for SIC code 5093.

The facility has seven outfalls, but four of those outfalls (Outfalls 004, 005, 006, and 007) are not associated with industrial activity. The previous permit covered Outfalls 004 and 005, but it was determined during preparation of the renewal application that Outfalls 004 and 005 are not associated with industrial activity. Therefore, Outfalls 004 and 005 were removed. This permit will cover three outfalls: Outfalls 001, 002, and 003.

Approve	Deny	Signatures	Date
X		Jacob S. Rakowsky Jacob S Rakowsky, E.I.T. / Project Manager	5/9/2025
X		Scott M. Arwood Scott M. Arwood, P.E. / Environmental Engineer Manager	5/13/2025

Summary of Review

Outfalls 001 and 002 are subject to Appendices L and P since SIC codes 4225 and 5093 both apply to their drainage areas. Outfall 003 is only subject to Appendix L since there is no outdoor material storage within its drainage area and only SIC code 4225 applies.

The permittee was previously covered under both an industrial stormwater NPDES permit (PAS803507) and a Municipal Separate Storm Sewer System (MS4) NPDES permit (PAI133516). To avoid being covered under two NPDES permits for stormwater within the same drainage areas, the permittee's industrial stormwater NPDES permit incorporated applicable MS4 requirements into Part C of the permit during the previous permit renewal. PAI133516 has since been terminated.

Part C permit conditions require semiannual 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.

EPA waiver is in effect.

The Stormwater PPC Plan and the Stormwater Management Plan was last updated in February 2025.

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.	001	Design Flow (MGD)	N/A (stormwater)
Latitude	40° 13' 46.20"	Longitude	-76° 59' 38.40"
Wastewater Description:	Stormwater associated with industrial activity.		
Receiving Waters	Unnamed Tributary 10223 to Trindle Spring Run (HQ-CWF, MF)	Stream Code	10223
NHD Com ID	56404787	RMI	3.0
Drainage Area	0.67 sq. mi.	Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)	0.241	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	Impaired		
Cause(s) of Impairment	CAUSE UNKNOWN, SILTATION, SILTATION		
Source(s) of Impairment	AGRICULTURE, CONSTRUCTION, URBAN RUNOFF/STORM SEWERS		
TMDL Status	Final	Name	Conodoguinet Creek Watershed
Nearest Downstream Public Water Supply Intake	Steelton Borough Water Authority		
PWS Waters	Susquehanna River	Municipality	Steelton Borough, Dauphin County
PWS RMI	52.8	Distance from Outfall (mi)	19

Drainage Area: 13,953,575 SF

% Impervious: 93%

Description of Materials / Activities in Drainage Area Exposed to Precipitation: outdoor material storage, warehousing.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater: underground inline Vortec System to mitigate potential sediment, oils, etc.; roof disconnect planter boxes at bldg 402; raingarden at bldg 505W; bioretention in parking lot of bldgs 290/210 and 409/410; bioretention in parking lot of bldg 408; bioretention in RV lot, detention pond at DRMO area, planter boxes and permeable sidewalks at bldg 311; vegetated drainage ditch; landuse conversion at bldg 510.

Outfalls 001 and 002 have the same drainage area.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	002	Design Flow (MGD)	N/A (stormwater)
Latitude	40° 13' 46.20"	Longitude	-76° 59' 38.00"
Wastewater Description:	Stormwater associated with industrial activity.		
Receiving Waters	Unnamed Tributary to Trindle Spring Run (HQ-CWF, MF)	Stream Code	10223
NHD Com ID	56404787	RMI	3.0
Drainage Area	0.67 sq. mi.	Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)	0.241	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	Impaired		
Cause(s) of Impairment	CAUSE UNKNOWN, SILTATION, SILTATION		
Source(s) of Impairment	AGRICULTURE, CONSTRUCTION, URBAN RUNOFF/STORM SEWERS		
TMDL Status	Final	Name	Conodoguinet Creek Watershed
Nearest Downstream Public Water Supply Intake	Steelton Borough Water Authority		
PWS Waters	Susquehanna River	Municipality	Steelton Borough, Dauphin County
PWS RMI	52.8	Distance from Outfall (mi)	19

Drainage Area: 13,953,575 SF

% Impervious: 93%

Description of Materials / Activities in Drainage Area Exposed to Precipitation: outdoor material storage, warehousing.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater: underground inline Vortec System to mitigate potential sediment, oils, etc.; roof disconnect planter boxes at bldg 402; raingarden at bldg 505W; bioretention in parking lot of bldgs 290/210 and 409/410; bioretention in parking lot of bldg 408; bioretention in RV lot, detention pond at DRMO area, planter boxes and permeable sidewalks at bldg 311; vegetated drainage ditch; landuse conversion at bldg 510.

Outfalls 001 and 002 have the same drainage area.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	003	Design Flow (MGD)	N/A (stormwater)
Latitude	40° 13' 58.10"	Longitude	-76° 59' 30.50"
Wastewater Description:	Stormwater associated with industrial activity.		
Receiving Waters	Unnamed Tributary to Trindle Spring Run (HQ-CWF, MF)	Stream Code	10223
NHD Com ID	56404787	RMI	3.0
Drainage Area	0.67 sq. mi.	Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)	0.241	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	Impaired		
Cause(s) of Impairment	CAUSE UNKNOWN, SILTATION, SILTATION		
Source(s) of Impairment	AGRICULTURE, CONSTRUCTION, URBAN RUNOFF/STORM SEWERS		
TMDL Status	Final	Name	Conodoguinet Creek Watershed
Nearest Downstream Public Water Supply Intake	Steelton Borough Water Authority		
PWS Waters	Susquehanna River	Municipality	Steelton Borough, Dauphin County
PWS RMI	52.8	Distance from Outfall (mi)	19

Drainage Area: 2,949,883 SF

% Impervious: 90.5%

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

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater: raingardens at bldgs 301, 304, 306A, 212S, 210N; bioretention at bldg 208.

Compliance History	
Summary of DMRs:	<p>The facility was required to submit semiannual sampling results for COD, Total Copper, Total Lead, Oil and Grease, TN, TP, TSS, and Total Zinc for Outfalls 001, 002, and 004 under their previous permit. The facility was required to submit semiannual sampling results for Oil and Grease, TN, TP, and TSS for Outfalls 003 and 005 under their previous permit. The facility is up to date with their eDMR submissions.</p> <p>A summary of sampling results from the renewal application can be found in Table 1 below. A summary of eDMR sampling results can be found in Table 2 below.</p> <p>The facility was required to submit TSS impairment sampling results due to the siltation impairment of the receiving water. The discharge is not expected to cause or contribute to the impairments.</p>
Summary of Inspections:	<p>The facility was last inspected on 11/9/2020. No violations were noted.</p> <p>The client currently has no open violations that should affect issuance of the final permit.</p>

Table 1. 2025 Renewal Application Sampling Results

Parameter (mg/L)	Outfall 001	Outfall 002	Outfall 003	Outfall 004	Outfall 005
Oil and Grease	ND	ND	ND	14	ND
BOD5	ND	ND	ND	ND	ND
COD	ND	ND	ND	ND	ND
TSS	5	6	6	24	5
TN	ND	ND	ND	2.62	1.17
TP	0.036	0.038	0.029	0.0300	ND
pH (S.U.)	7.8	8.0	8.1	8.21	7.7
Total Copper	0.0045	0.0046	Not Required	0.0052	Not Required
Total Lead	0.0019	0.0021	Not Required	0.0022	Not Required
Total Zinc	0.046	0.051	Not Required	0.10	Not Required

Table 2. 1st Half 2020 to Current Day eDMR Sampling Results Summary

Parameter (mg/L)	Outfall 001	Outfall 002	Outfall 003	Outfall 004	Outfall 005
COD	avg.	32	29	Not Required	25
	max.	96	96	Not Required	60
Total Copper	avg.	0.0077	0.0087	Not Required	0.0086
	max.	0.024	0.027	Not Required	0.018
Total Lead	avg.	0.0028	0.0037	Not Required	0.0031
	max.	0.0052	0.01	Not Required	0.006
Oil and Grease	avg.	3.9	3.8	3.7	5.7
	max.	5.4	4.4	4.2	14.2
TN	avg.	2.42	2.46	2.24	2.47
	max.	6.59	6.79	5.9	5.22
TP	avg.	0.10	0.09	0.09	0.06
	max.	0.22	0.21	0.17	0.1
TSS	avg.	14	16	8	14
	max.	30	42	17	27
Total Zinc	avg.	0.056	0.061	Not Required	0.038
	max.	0.18	0.19	Not Required	0.1

Summary of Sampling Results:

No values in Table 1 or Table 2 exceeded PAG-03 benchmarks. The applicable PAG-03 benchmarks include: 120 mg/L for COD, 9.0 S.U. for pH, 100 mg/L for TSS, 30 mg/L for Oil and Grease, and 30 mg/L for BOD5.

Based on the facility's **SIC code of 4225 at Outfalls 001, 002, and 003**, 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 semiannual monitoring of TN, TP, TSS, and Oil and Grease.

Based on the facility's **SIC code of 5093 at Outfalls 001 and 002**, the applicable PAG-03 NPDES Permit for Discharges of Stormwater Associated with Industrial Activity (effective 3/24/2023) appendix is **Appendix P**, which would include semiannual monitoring of TN, TP, TSS, Oil and Grease, COD, Total Aluminum, Total Copper, Total Lead, and Total Zinc.

Proposed Effluent Limitations and Monitoring Requirements

All parameters from PAG-03 Appendix L and P are included in this permit for Outfalls 001 and 002.

All parameters from PAG-03 Appendix L are included in this permit for Outfall 003.

Table 3. Proposed Monitoring Requirements for Outfalls 001 and 002.

Parameter	Effluent Limitations				Monitoring Requirements ^{(1),(2)}	
	Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Nitrogen (mg/L) ⁽³⁾	XXX	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Suspended Solids (TSS) (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Chemical Oxygen Demand (COD) (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Copper (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

Table 4. Proposed Monitoring Requirements for Outfall 003.

Parameter	Effluent Limitations				Monitoring Requirements ^{(1),(2)}	
	Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Nitrogen (mg/L) ⁽³⁾	XXX	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Suspended Solids (TSS) (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab

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.

Benchmarks for TSS of 100 mg/L, COD of 120 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 and Appendix P are included.

A Stormwater Management Program (SWMP) required is included, consistent with the previous permit.

The requirement to submit an Industrial Stormwater Annual Report and an MS4 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 or increased discharge to a High Quality (HQ) or Exceptional Value (EV) water, so Module 4 (Anti Degradation Module) was not attached to the application.

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. Discharges are to an HQ-CWF stream. 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 Unnamed Tributary 10223 to Trindle Spring Run is HQ-CWF, MF.

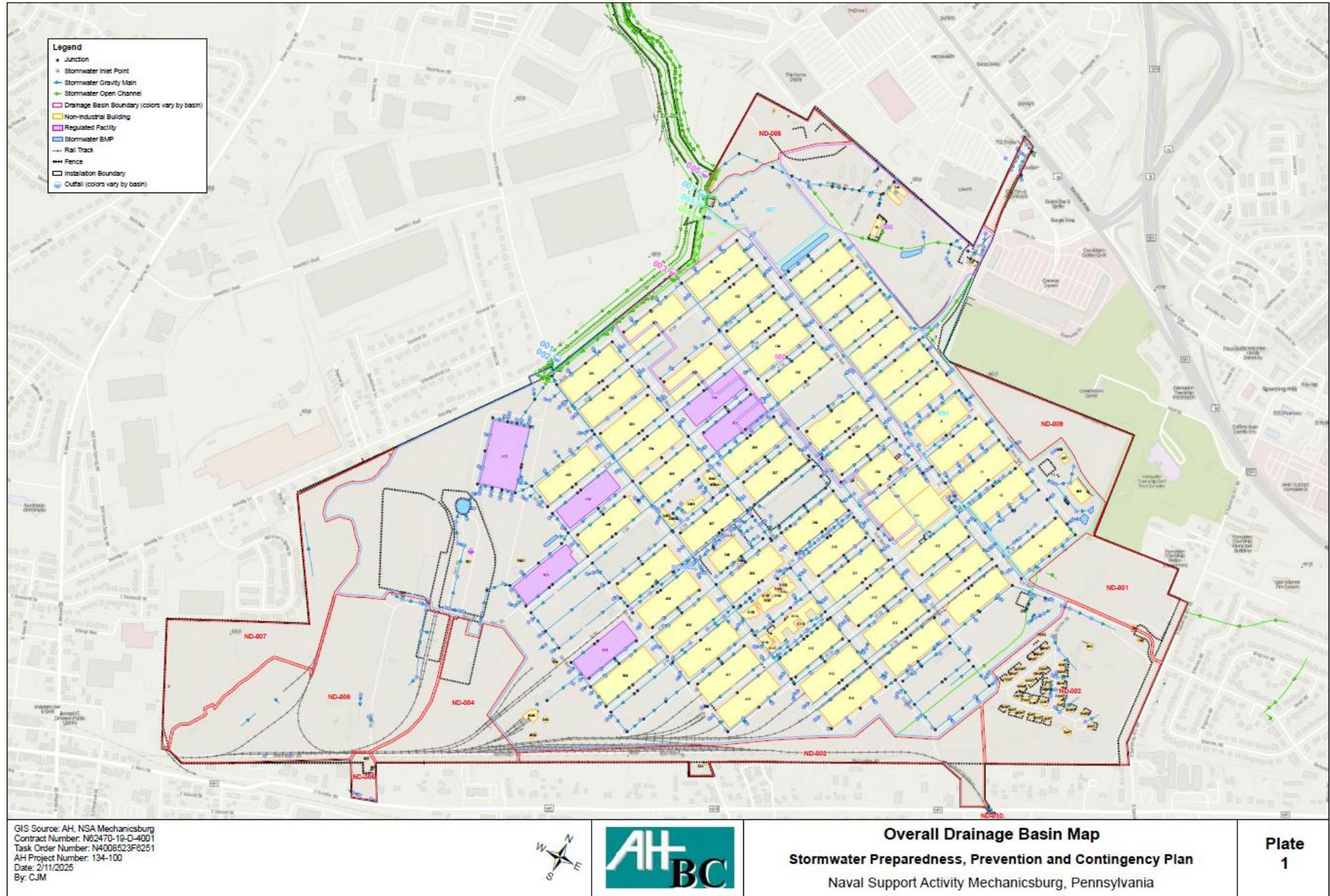


Figure 1. Site Plan

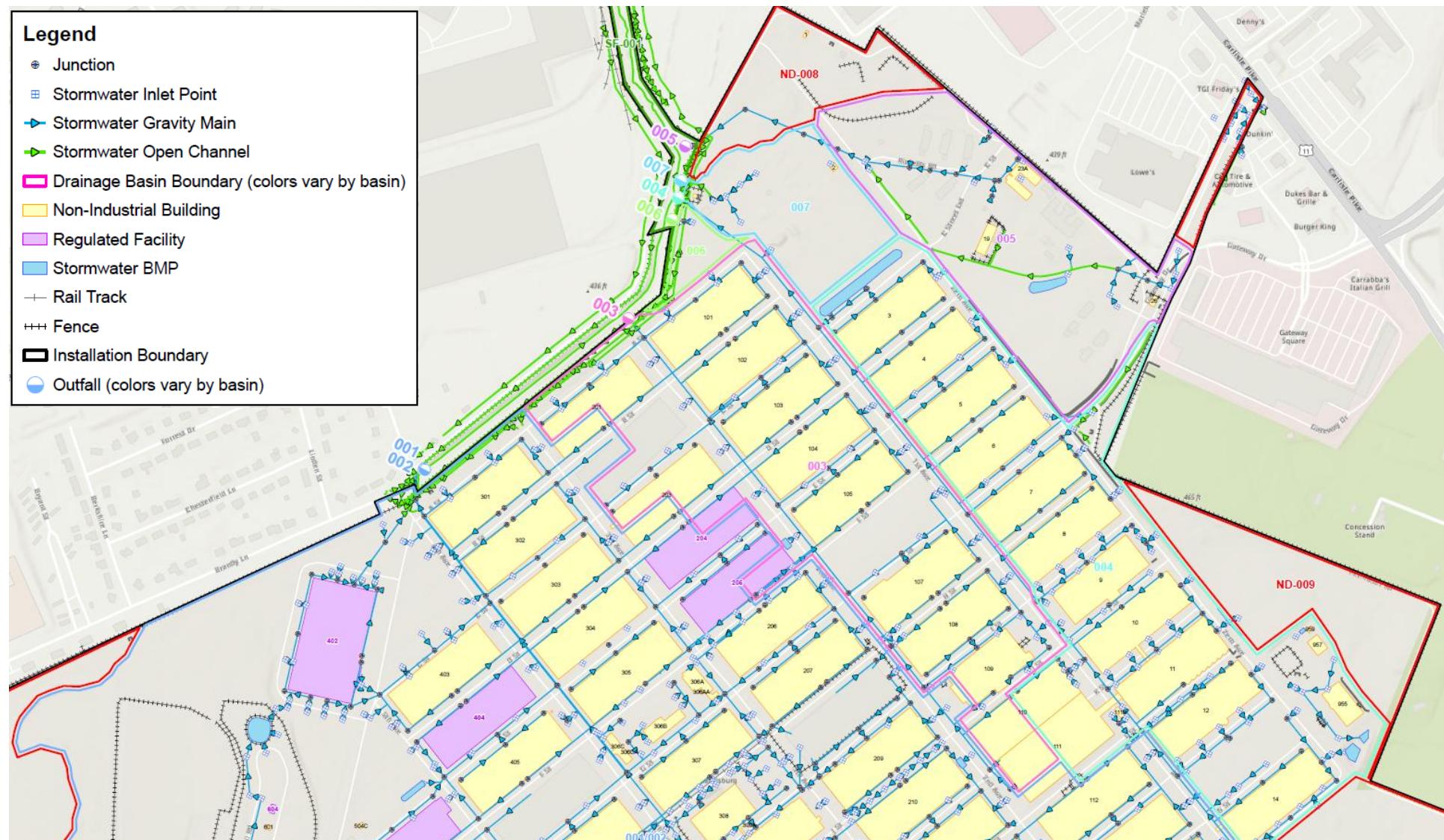


Figure 1a. Site Plan: Outfall Locations