

Application Type Renewal
Facility Type Storm Water
Major / Minor 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 | <u>Naval Support Activity Mechanicsburg</u> | Facility Name | <u>Naval Support Activity Mechanicsburg</u> |
| Applicant Address | <u>5450 Carlisle Pike Building 305</u> <u>Mechanicsburg, PA 17050-2411</u> | Facility Address | <u>5450 Carlisle Pike Bldg 305</u> <u>Mechanicsburg, PA 17050-2411</u> |
| Applicant Contact | <u>Catherine Mann</u> | Facility Contact | <u>Catherine Mann</u> |
| Applicant Phone | <u>(717) 605-2179</u> | Facility Phone | <u>(717) 605-2179</u> |
| Client ID | <u>175192</u> | Site ID | <u>444007</u> |
| SIC Code | <u>4225,5093</u> | Municipality | <u>Hampden Township</u> |
| SIC Description | <u>Trans. & Utilities - Bus Terminal And Service Facilities, Trans. & Utilities - General Warehousing And Storage, Wholesale Trade - Scrap And Waste Materials</u> | County | <u>Cumberland</u> |
| Date Application Received | <u>April 1, 2025</u> | EPA Waived? | <u>Yes</u> |
| Date Application Accepted | <u>April 10, 2025</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 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 | | <i>Jacob S. Rakowsky</i> Jacob S Rakowsky, E.I.T. / Project Manager | 5/9/2025 |
| X | | <i>Scott M. Arwood</i> 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 | Not Required |
| | max. | 96 | 96 | Not Required | 60 | Not Required |
| Total Copper | avg. | 0.0077 | 0.0087 | Not Required | 0.0086 | Not Required |
| | max. | 0.024 | 0.027 | Not Required | 0.018 | Not Required |
| Total Lead | avg. | 0.0028 | 0.0037 | Not Required | 0.0031 | Not Required |
| | max. | 0.0052 | 0.01 | Not Required | 0.006 | Not Required |
| Oil and Grease | avg. | 3.9 | 3.8 | 3.7 | 5.7 | 4.0 |
| | max. | 5.4 | 4.4 | 4.2 | 14.2 | 4.2 |
| TN | avg. | 2.42 | 2.46 | 2.24 | 2.47 | 1.56 |
| | max. | 6.59 | 6.79 | 5.9 | 5.22 | 2 |
| TP | avg. | 0.10 | 0.09 | 0.09 | 0.06 | 0.08 |
| | max. | 0.22 | 0.21 | 0.17 | 0.1 | 0.1 |
| TSS | avg. | 14 | 16 | 8 | 14 | 12 |
| | max. | 30 | 42 | 17 | 27 | 25 |
| Total Zinc | avg. | 0.056 | 0.061 | Not Required | 0.038 | Not Required |
| | max. | 0.18 | 0.19 | Not Required | 0.1 | Not Required |

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.

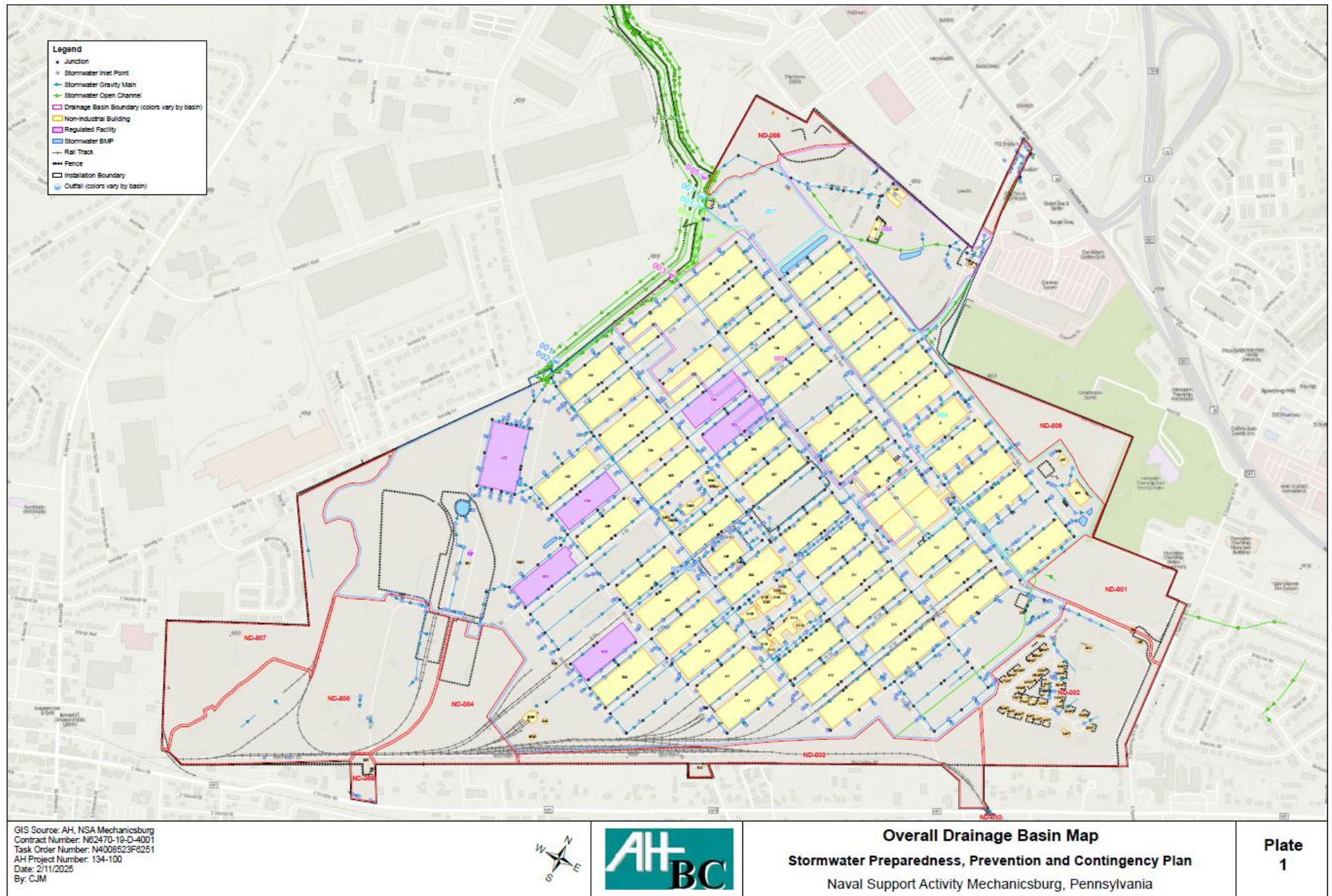


Figure 1. Site Plan

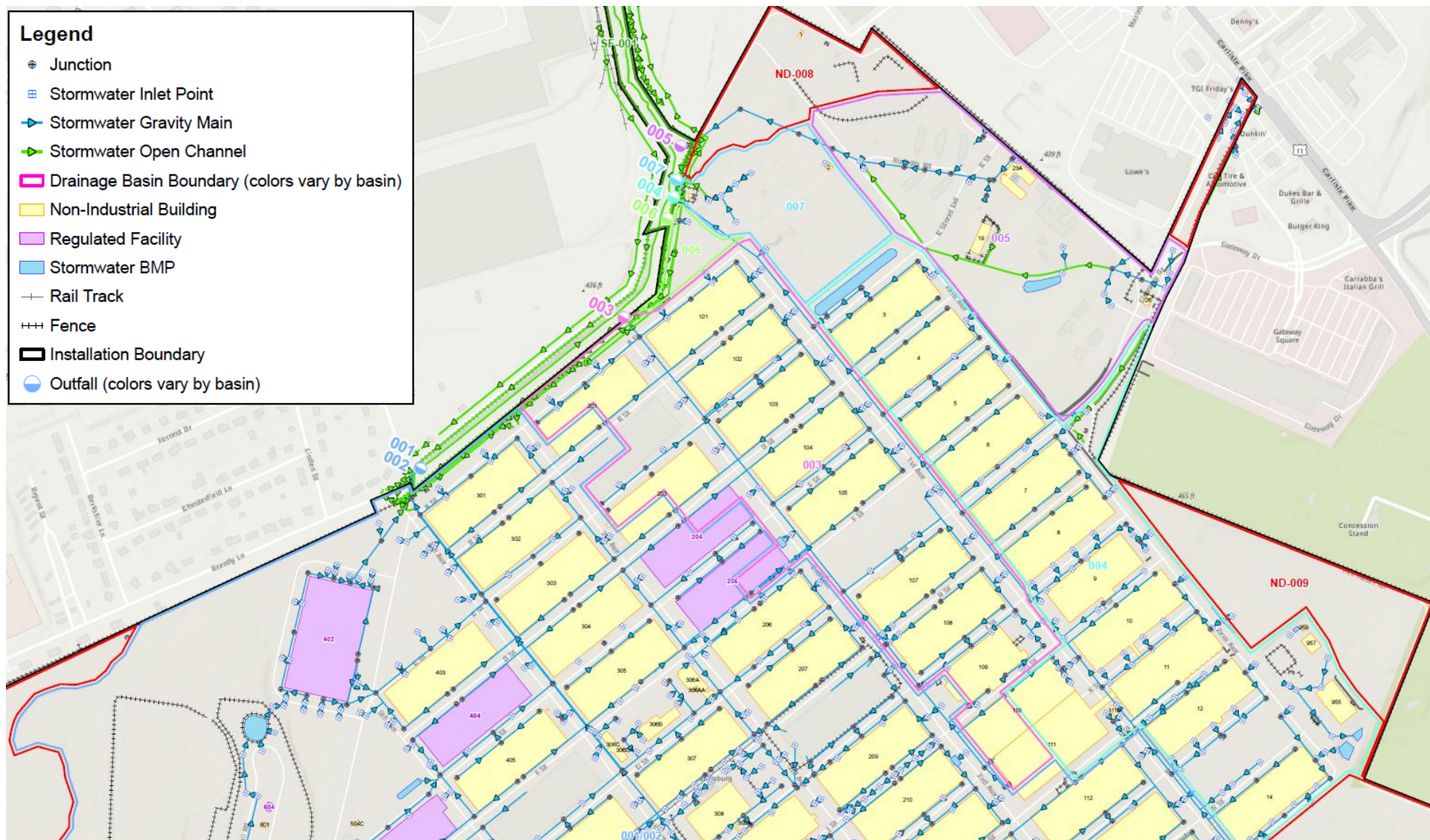


Figure 1a. Site Plan: Outfall Locations