

Application Type New
 Facility Type Storm Water
 Major / Minor Minor

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

Application No. PA0282049
 APS ID 607561
 Authorization ID 1534691

Applicant and Facility Information

Applicant Name	<u>Nitterhouse Concrete Products Inc.</u>	Facility Name	<u>Nitterhouse Concrete Precast Plant</u>
Applicant Address	<u>PO Box 2013</u> <u>Chambersburg, PA 17201-0813</u>	Facility Address	<u>2655 Molly Pitcher Highway</u> <u>Chambersburg, PA 17202-7220</u>
Applicant Contact	<u>Edward Luke</u>	Facility Contact	<u>Edward Luke</u>
Applicant Phone	<u>(717) 267-4567</u>	Facility Phone	<u>(717) 267-4567</u>
Client ID	<u>41965</u>	Site ID	<u>454283</u>
SIC Code	<u>3272</u>	Municipality	<u>Guilford Township</u>
SIC Description	<u>Manufacturing - Concrete Products, Nec</u>	County	<u>Franklin</u>
Date Application Received	<u>July 15, 2025</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>July 28, 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 an application for an NPDES individual permit for discharges of stormwater associated with industrial activity located in Guilford Township, Franklin County. See Figures 1 through 7 for site plans.

The facility is currently covered under an industrial waste permit, permit number PA0260738. The facility also has a WQM permit, permit number 2816201. The facility amended their WQM permit on 12/31/2024 to construct a process water recycling system and eliminate their lone industrial waste discharge at Outfall 001. A WQM Post Construction Certification was completed on 04/17/2025. As a result, all discharges from the facility are stormwater-only. Industrial waste permit PA0260738 will be replaced with industrial stormwater permit PA0282049 upon issuance of the PA0282049 final permit.

The facility's SIC code is 3272 (Manufacturing - Concrete Products, Nec) which requires an NPDES permit for discharges of stormwater associated with industrial activity. Due to the facility's history of having an industrial waste permit and a current WQM permit for their water recycling process, the facility will be covered under an individual permit for discharges of stormwater associated with industrial activity. If the facility qualified for a PAG-03, they would fall under Appendix N (Glass, Clay, Cement, Concrete, and Gypsum Products) based on their SIC code.

Facility Description: Manufacturer of precast concrete materials.

An application was received on 07/15/2025 via PUP 331512. The application was deemed complete on 07/29/2025. Technical deficiency notices were issued via email on 09/09/2025 and 11/25/2025. The deficiencies were addressed via email on 12/22/2025.

The facility has six outfalls: Outfalls 002, 003, 004, 005, 006, and 007. Outfall 002 represents Outfall 005 and 006. Outfall 003 represents Outfall 004. Outfall 007 represents itself. The facility previously had an industrial waste discharge at Outfall 001. Outfall 001 has been eliminated with the construction of the water recycling system.

Approve	Deny	Signatures	Date
X		<i>Jacob S. Rakowsky</i> Jacob S. Rakowsky, E.I.T. / Project Manager	01/21/2026
X		<i>Scott M. Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	01/22/2026

Summary of Review

The PPC Plan was last updated June 2025.

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.

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>002</u>	Design Flow (MGD)	<u>N/A (stormwater)</u>
Latitude	<u>39° 54' 23.02"</u>	Longitude	<u>-77° 40' 28.94"</u>
Wastewater Description: <u>Stormwater associated with industrial activity.</u>			
Receiving Waters	<u>Unnamed Tributary to Conococheague Creek (WWF, MF)</u>	Stream Code	<u>60164</u>
NHD Com ID	<u>134365948</u>	RMI	<u>0.25</u>
Drainage Area	<u>2.93 sq. mi.</u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>1.42</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Watershed No.	<u>13-C</u>	Chapter 93 Class.	<u>WWF, 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>None in Pennsylvania. 28 miles to Maryland border.</u>		
PWS Waters	<u>Conococheague Creek</u>	Municipality	<u>Antrim Twp & Montgomery Twp, Franklin County</u>
PWS RMI	<u>0.0</u>	Distance from Outfall (mi)	<u>28</u>

Outfall 002 represents Outfall 005 and Outfall 006.

Drainage Area (sf): 217,800

% Impervious: 25%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
Precast concrete product storage/loading/shipping.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
None.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>003</u>	Design Flow (MGD)	<u>N/A (stormwater)</u>
Latitude	<u>39° 53' 58.13"</u>	Longitude	<u>-77° 40' 31.04"</u>
Wastewater Description: <u>Stormwater associated with industrial activity.</u>			
Receiving Waters	<u>Unnamed Tributary of Conococheague Creek (WWF, MF)</u>	Stream Code	<u>60161</u>
NHD Com ID	<u>49479454</u>	RMI	<u>0.59</u>
Drainage Area	<u>10.2 sq. mi.</u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>8.25</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Watershed No.	<u>13-C</u>	Chapter 93 Class.	<u>WWF, 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>None in Pennsylvania. 28 miles to Maryland border.</u>		
PWS Waters	<u>Conococheague Creek</u>	Municipality	<u>Antrim Twp & Montgomery Twp, Franklin County</u>
PWS RMI	<u>0.0</u>	Distance from Outfall (mi)	<u>28</u>

Outfall 003 represents Outfall 004.

Drainage Area (sf): 148,104

% Impervious: 50%

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

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
None.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>004</u>	Design Flow (MGD)	<u>N/A (stormwater)</u>
Latitude	<u>39° 53' 58.58"</u>	Longitude	<u>-77° 40' 31.98"</u>
Wastewater Description: <u>Stormwater associated with industrial activity.</u>			
Receiving Waters	<u>Unnamed Tributary of Conococheague Creek (WWF, MF)</u>	Stream Code	<u>60161</u>
NHD Com ID	<u>49479454</u>	RMI	<u>0.58</u>
Drainage Area	<u>10.2 sq. mi.</u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>8.25</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Watershed No.	<u>13-C</u>	Chapter 93 Class.	<u>WWF, 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>None in Pennsylvania. 28 miles to Maryland border.</u>		
PWS Waters	<u>Conococheague Creek</u>	Municipality	<u>Antrim Twp & Montgomery Twp, Franklin County</u>
PWS RMI	<u>0.0</u>	Distance from Outfall (mi)	<u>28</u>

Outfall 004 is represented by Outfall 003.

Drainage Area (sf): 26,176

% Impervious: 70%

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

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
None.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>005</u>	Design Flow (MGD)	<u>N/A (stormwater)</u>
Latitude	<u>39° 54' 1.08"</u>	Longitude	<u>-77° 40' 35.75"</u>
Wastewater Description: <u>Stormwater associated with industrial activity.</u>			
Receiving Waters	<u>Unnamed Tributary of Conococheague Creek (WWF, MF)</u>	Stream Code	<u>60161</u>
NHD Com ID	<u>49479454</u>	RMI	<u>0.51</u>
Drainage Area	<u>10.2 sq. mi.</u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>8.25</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Watershed No.	<u>13-C</u>	Chapter 93 Class.	<u>WWF, 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>None in Pennsylvania. 28 miles to Maryland border.</u>		
PWS Waters	<u>Conococheague Creek</u>	Municipality	<u>Antrim Twp & Montgomery Twp, Franklin County</u>
PWS RMI	<u>0.0</u>	Distance from Outfall (mi)	<u>28</u>

Outfall 005 is represented by Outfall 002.

Drainage Area (sf): 182,952

% Impervious: 30%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
Precast concrete manufacture, batch plants, raw material storage.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
None.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>006</u>	Design Flow (MGD)	<u>N/A (stormwater)</u>
Latitude	<u>39° 54' 5.55"</u>	Longitude	<u>-77° 40' 40.34"</u>
Wastewater Description: <u>Stormwater associated with industrial activity.</u>			
Receiving Waters	<u>Unnamed Tributary of Conococheague Creek (WWF, MF)</u>	Stream Code	<u>60161</u>
NHD Com ID	<u>49479454</u>	RMI	<u>0.40</u>
Drainage Area	<u>10.2 sq. mi.</u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>8.25</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Watershed No.	<u>13-C</u>	Chapter 93 Class.	<u>WWF, 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>None in Pennsylvania. 28 miles to Maryland border.</u>		
PWS Waters	<u>Conococheague Creek</u>	Municipality	<u>Antrim Twp & Montgomery Twp, Franklin County</u>
PWS RMI	<u>0.0</u>	Distance from Outfall (mi)	<u>28</u>

Outfall 006 is represented by Outfall 002.

Drainage Area (sf): 439,956

% Impervious: 30%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
Precast concrete manufacture, batch plants, raw material storage.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
None.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>007</u>	Design Flow (MGD)	<u>N/A (stormwater)</u>
Latitude	<u>39° 54' 19.33"</u>	Longitude	<u>-77° 40' 51.30"</u>
Wastewater Description: <u>Stormwater associated with industrial activity.</u>			
Receiving Waters	<u>Unnamed Tributary to Conococheague Creek (WWF, MF)</u>	Stream Code	<u>60160</u>
NHD Com ID	<u>49479444</u>	RMI	<u>0.70</u>
Drainage Area	<u>10.2 sq. mi.</u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>8.25</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Watershed No.	<u>13-C</u>	Chapter 93 Class.	<u>WWF, 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>None in Pennsylvania. 28 miles to Maryland border.</u>		
PWS Waters	<u>Conococheague Creek</u>	Municipality	<u>Antrim Twp & Montgomery Twp, Franklin County</u>
PWS RMI	<u>0.0</u>	Distance from Outfall (mi)	<u>28</u>

Drainage Area (sf): 3,153,744

% Impervious: 50%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
Precast concrete product storage/loading/shipping.

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

Compliance History	
Summary of DMRs:	<p>A summary of eDMR data from PA0260738 for Outfalls 002 through 007 can be found in Table 1 below. A summary of application sampling can be found in Table 2 below.</p> <p>The facility was required to submit fecal coliform and E. coli sample results for each representative outfall due to the pathogen impairment of the receiving waters. The facility is not expected to cause or contribute to the impairment.</p> <p>The facility is up to date on their eDMR submissions for PA0260738.</p>
Summary of Inspections:	<p>The facility was last inspected on 08/06/2025. Violations were noted for failure to monitor pollutants as required by their permit.</p> <p>A summary of open violations can be found in Table 3 below. These violations will need to be addressed before a final permit can be issued.</p>

Table 1. eDMR data for representative outfalls from PA0260738.

	Outfall 003				Outfall 006*				Outfall 007			
	pH (S.U.)	TSS (mg/L)	Total Iron (mg/L)	Total Aluminum (mg/L)	pH (S.U.)	TSS (mg/L)	Total Iron (mg/L)	Total Aluminum (mg/L)	pH (S.U.)	TSS (mg/L)	Total Iron (mg/L)	Total Aluminum (mg/L)
2nd Half 2025	6.5	41	0.26	0.18	6.2	117	3.1	2.6	6.6	130	2.0	1.7
1st Half 2025	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
2nd Half 2024	6.92	5	0.2	0.1	6.79	417	5.79	5.56	7.09	41	2.0	1.32
1st Half 2024	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2nd Half 2023	7.69	9	0.1	0.1	7.78	26	0.61	0.4	7.95	92	3.14	2.5
Avg.	7.0	18.3	0.2	0.1	6.9	186.7	3.2	2.9	7.2	87.7	2.4	1.8
Max.	7.7	41.0	0.3	0.2	7.8	417.0	5.8	5.6	8.0	130.0	3.1	2.5

Table 2. Application Sampling Results

Pollutant	Outfall 002*	Outfall 003**	Outfall 007
BOD5 (mg/L)	2.4	3.2	3.6
TSS (mg/L)	56	13	50
TP (mg/L)	0.1	0.1	0.12
TKN (mg/L)	0.5	0.5	0.55
Nitrate as N (mg/L)	0.4	0.4	1.2
Nitrite as N (mg/L)	0.4	0.4	0.49
Total Nitrogen (mg/L)	1.3	1.3	2.24
COD (mg/L)	34	30	30
pH (S.U.)	6.7	6.4	6.4
Total Aluminum (mg/L)	0.63	0.11	0.63
Total Iron (mg/L)	1	0.14	0.72
Fecal Coliform (MPN/100mL)	387	921	2420
E. coli (MPN/100mL)	186	613	2420
Oil and Grease (mg/L)	5	5	5

* Under the current permit PA0260738, Outfalls 002 and 006 can be sampled alternatively to represent Outfalls 002, 005, and 006. The permittee requested that Outfall 002 be the representative outfall for Outfalls 002, 005, and 006 for PA0282049.

** Outfall 003 represents Outfalls 003 and 004.

Summary of Sampling Results:

The values in red in Tables 1 and 2 exceeded typical PAG-03 benchmarks or permit limits. The applicable PAG-03 benchmarks include: 30 mg/L for Oil and Grease; 30 mg/L for BOD5; 120 mg/L for COD; 100 mg/L for TSS; 9.0 S.U. for pH; 2,000 mg/L for chloride. Benchmarks were exceeded for TSS at Outfalls 006 and 007.

Based on the facility's **SIC code 3272**, the applicable PAG-03 NPDES Permit for Discharges of Stormwater Associated with Industrial Activity (effective 3/24/2023) appendix is **Appendix N**, which would include semiannual monitoring of TN, TP, pH, TSS, Total Aluminum, and Total Iron.

Table 3. Open violations as of 01/21/2026.

CLIENT ID	CLIENT	PF ID	FACILITY	PF KIND	PF STATUS	INSP PROGRAM	PROGRAM SPECIFIC ID	INSP ID	VIOLATION ID	VIOLATION DATE	VIOLATION CODE	VIOLATION
41965	NITTERHOUSE CONCRETE PROD INC	814138	NITTERHOUSE CONCRETE PRECAST PLT	Stormwater-Industrial	Active	WPC NPDES	PA0260738	3559486	996073	05/24/2023	92A.44	NPDES - Violation of effluent limits in Part A of permit
41965	NITTERHOUSE CONCRETE PROD INC	814138	NITTERHOUSE CONCRETE PRECAST PLT	Stormwater-Industrial	Active	WPC NPDES	PA0260738	3626051	8161314	08/03/2023	CSL301	CSL - Unauthorized, unpermitted discharge of industrial wastes to waters of the Commonwealth
41965	NITTERHOUSE CONCRETE PROD INC	814138	NITTERHOUSE CONCRETE PRECAST PLT	Stormwater-Industrial	Active	WPC NPDES	PA0282049	4053212	8248384	08/06/2025	92A.61(C)	NPDES - Failure to monitor pollutants as required by the NPDES permit

Proposed Effluent Limitations and Monitoring Requirements

All parameters from PAG-03 Appendix N are included in this permit for Outfalls 002, 003, and 007. Sampling at Outfalls 004, 005, and 006 will not be required for this permit since they are represented by other outfalls. No additional parameters have been added.

Table 2. Proposed Monitoring Requirements for Outfalls 002, 003, and 007.

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
pH (S.U.)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Suspended Solids (TSS) (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron (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 and pH of 9.0 S.U. are included, which is typical of the monitoring requirements for PAG-03 Appendices (effective 3/24/2023).

The BMPs from Appendix N are included.

The requirement to submit an Annual Report is included.

Special conditions related to WQM permit 2816201 A-1 are included.

The requirement for routine inspections on a semiannual basis is included.

Antidegradation (93.4):

The applicant is an existing permittee, so Module 1 (Anti Degradation Module) was not required with this 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. 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:
Unnamed Tributary to Conococheague Creek (WWF, MF)

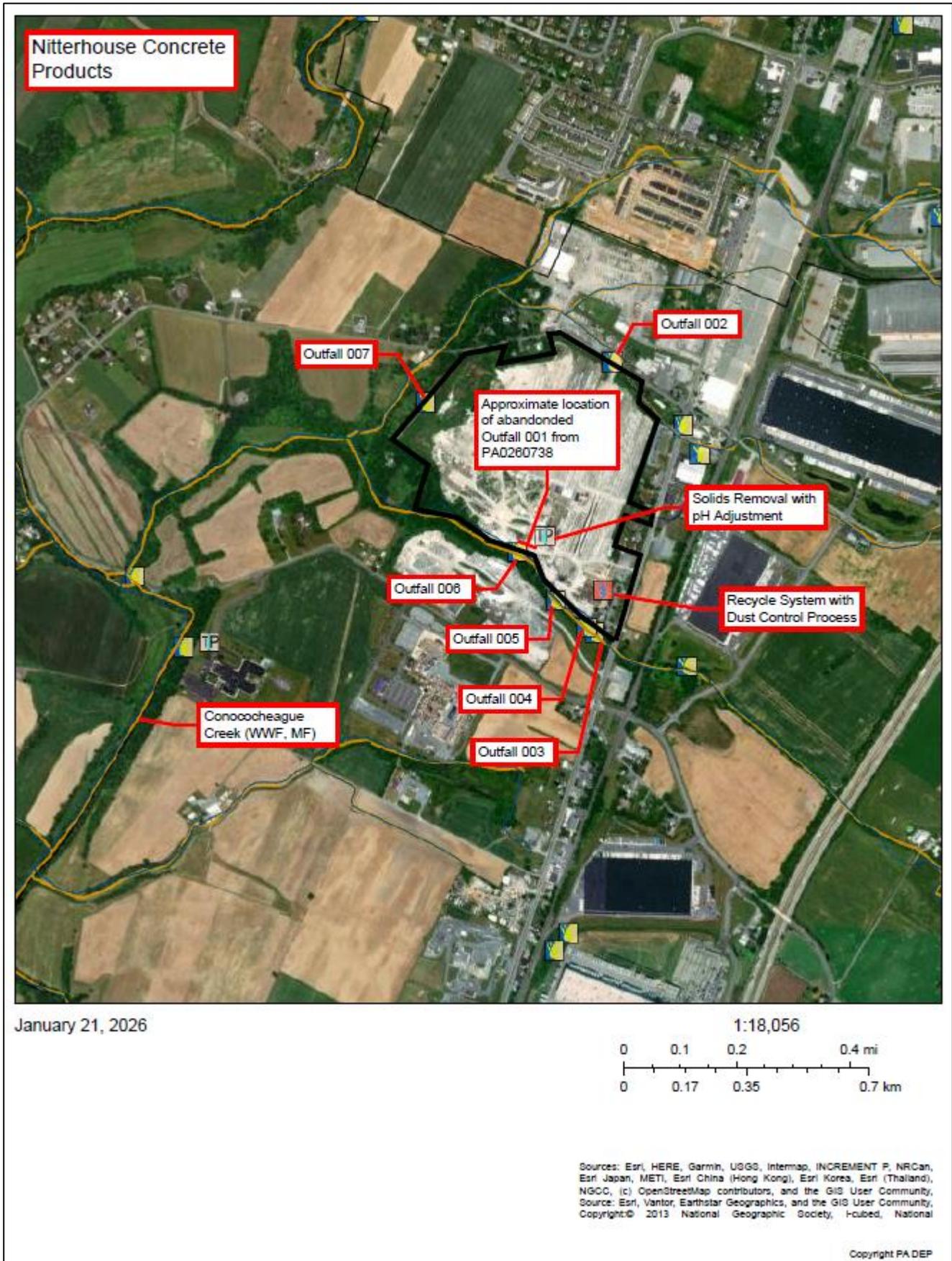


Figure 1. eMapPA Printout

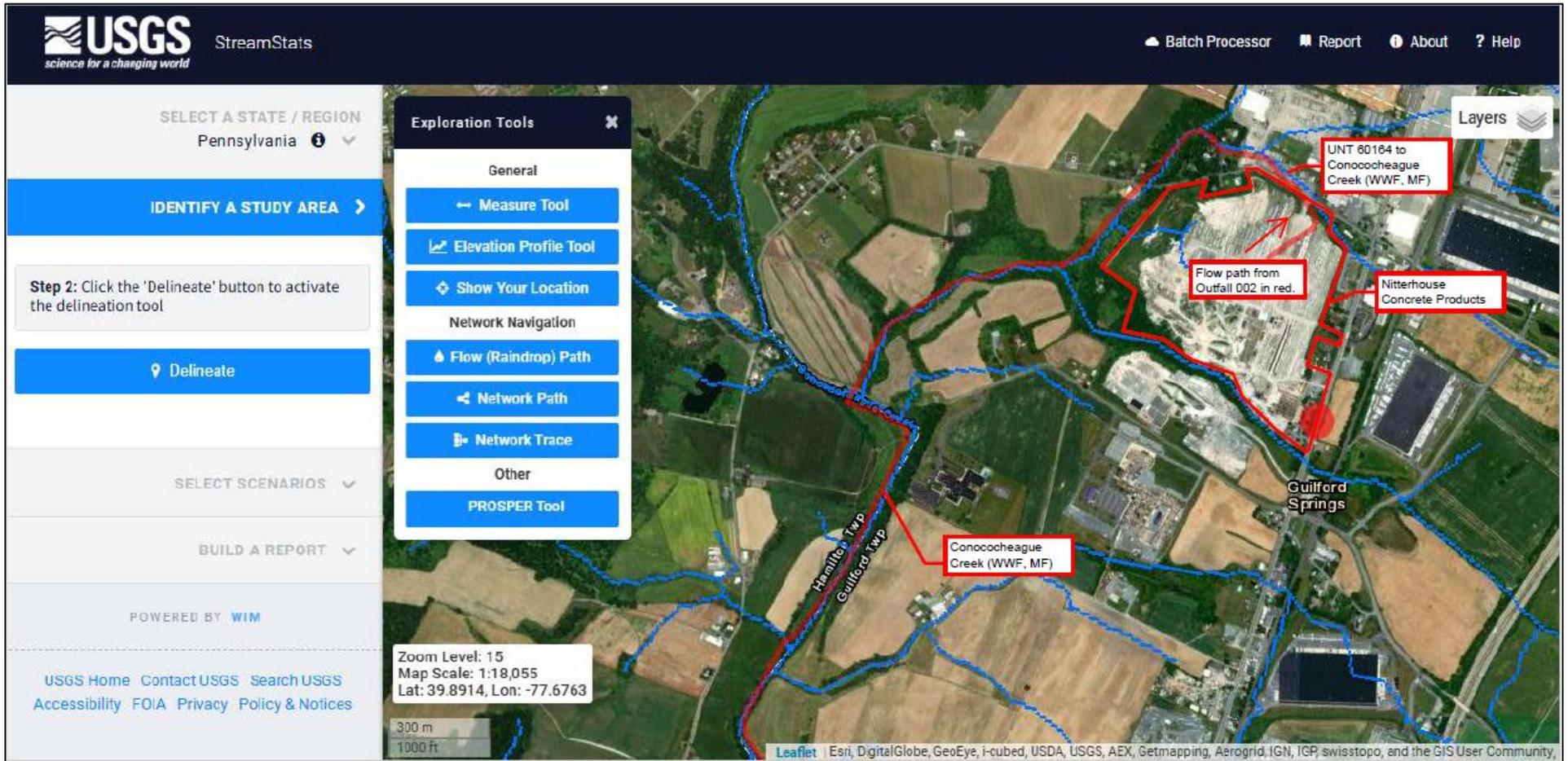


Figure 2. USGS StreamStats Flow Path for Outfall 002.

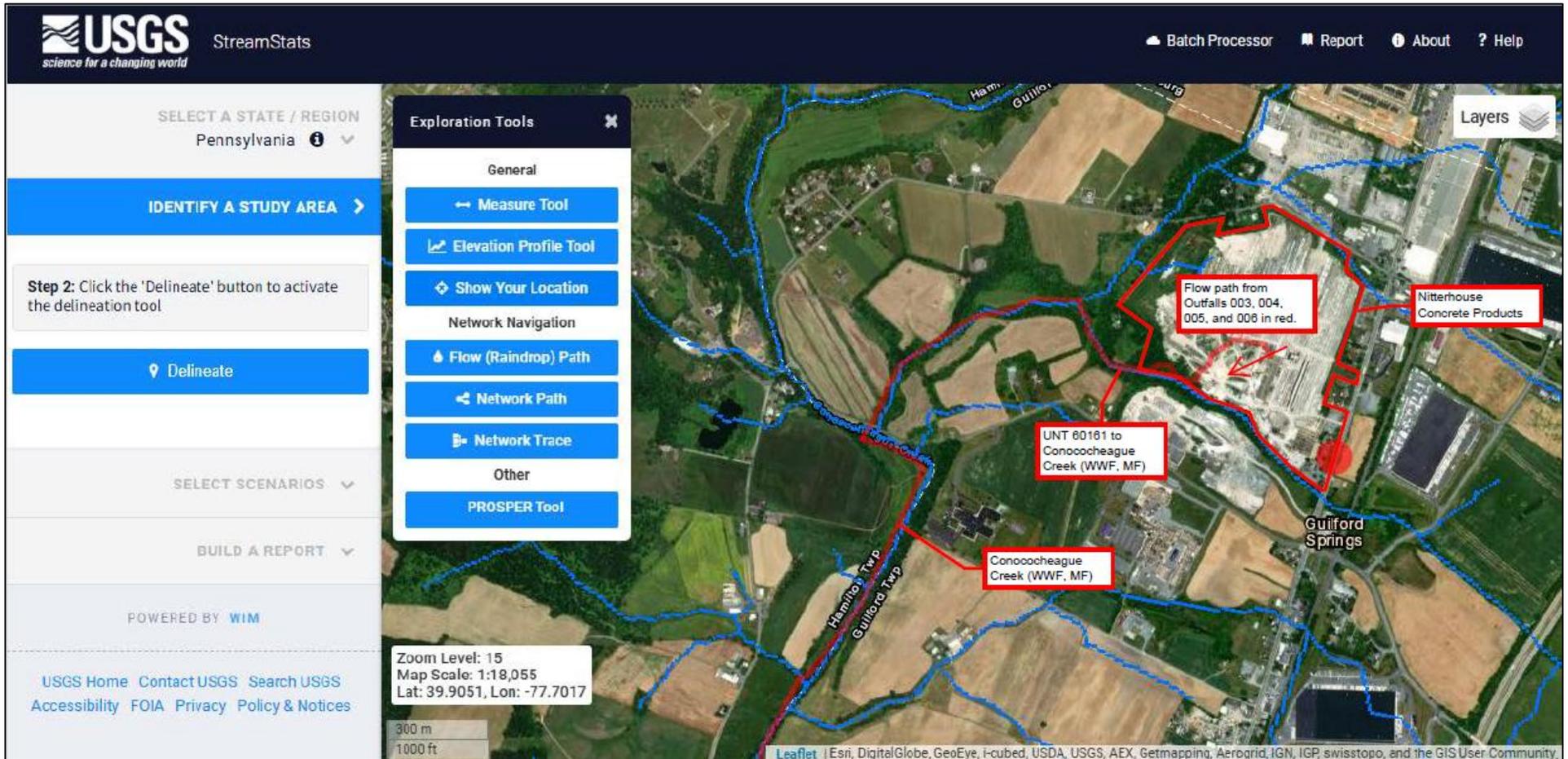


Figure 3. USGS StreamStats Flow Path for Outfalls 003, 004, 005, and 006.

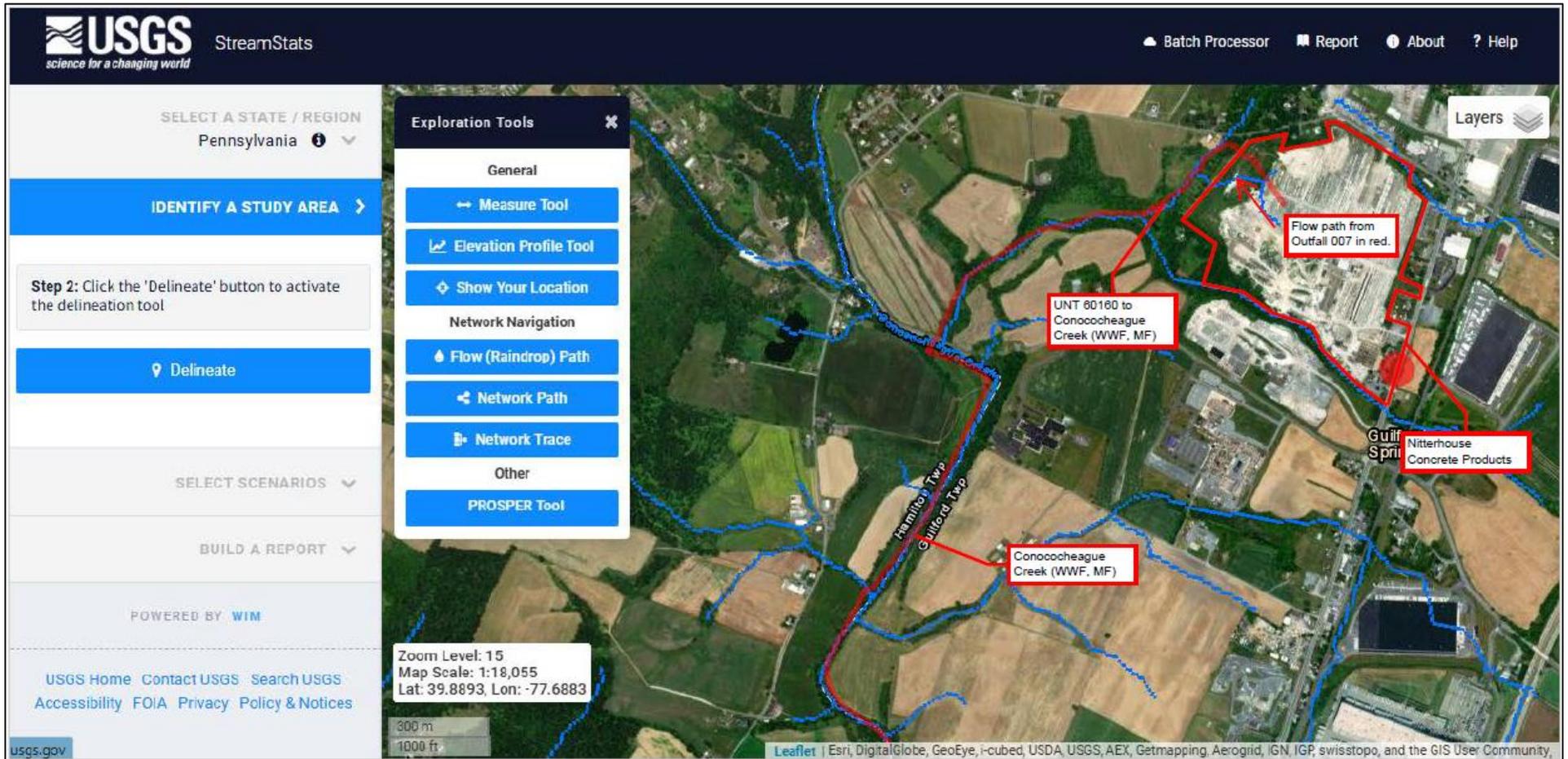


Figure 4. USGS StreamStats Flow Path for Outfall 007.

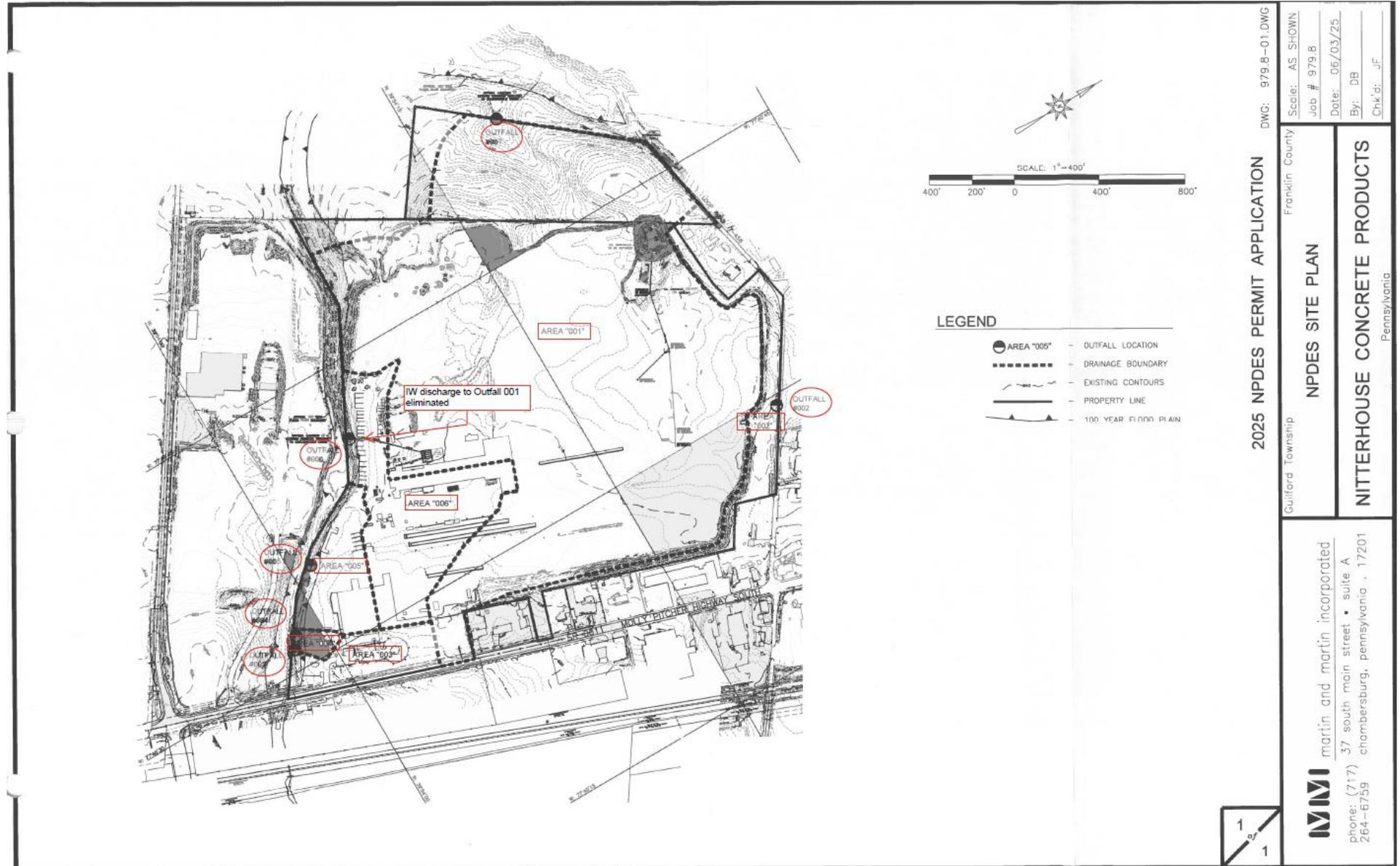


Figure 5. Site Plan

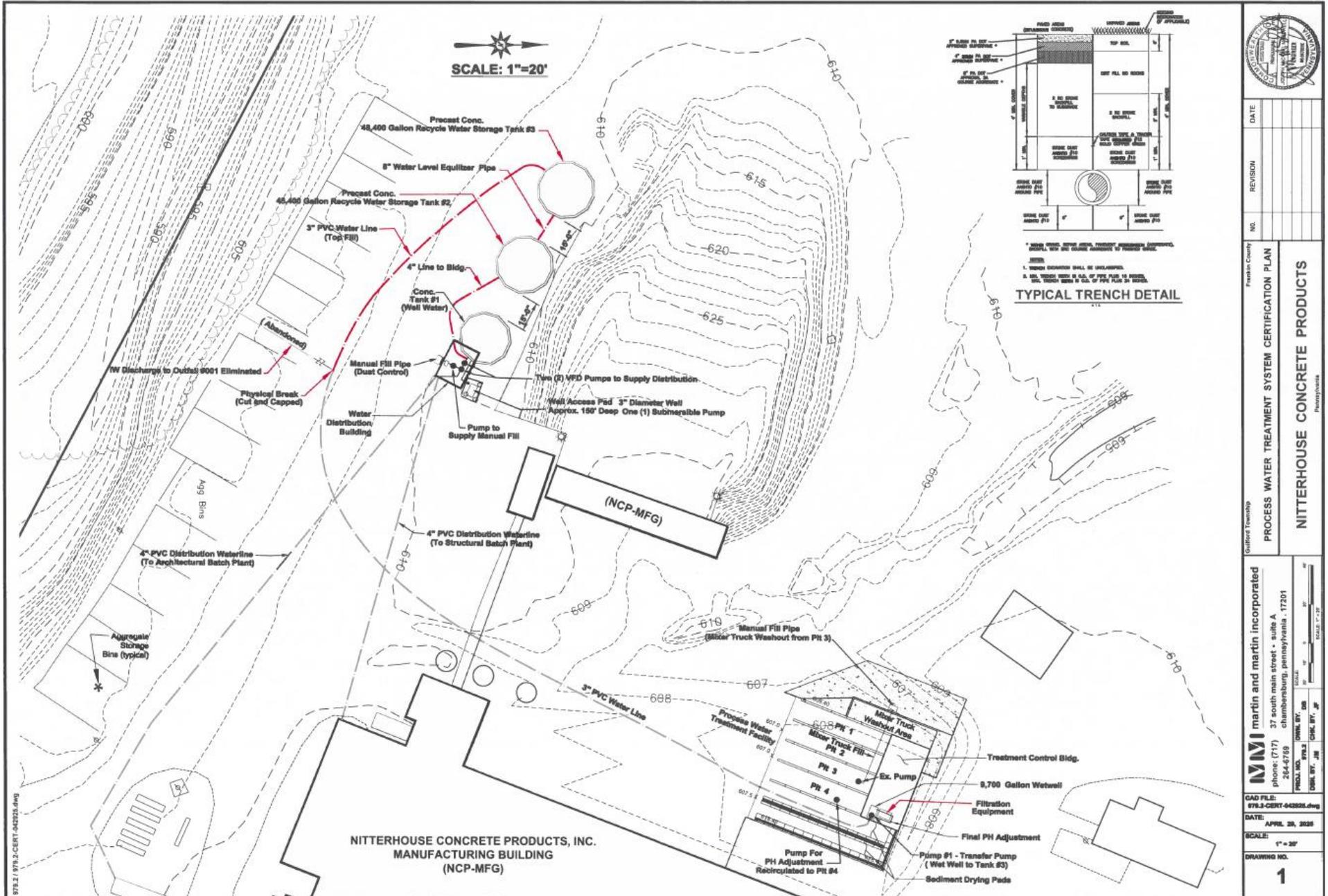


Figure 6. Process Water Treatment System Certification Plan.

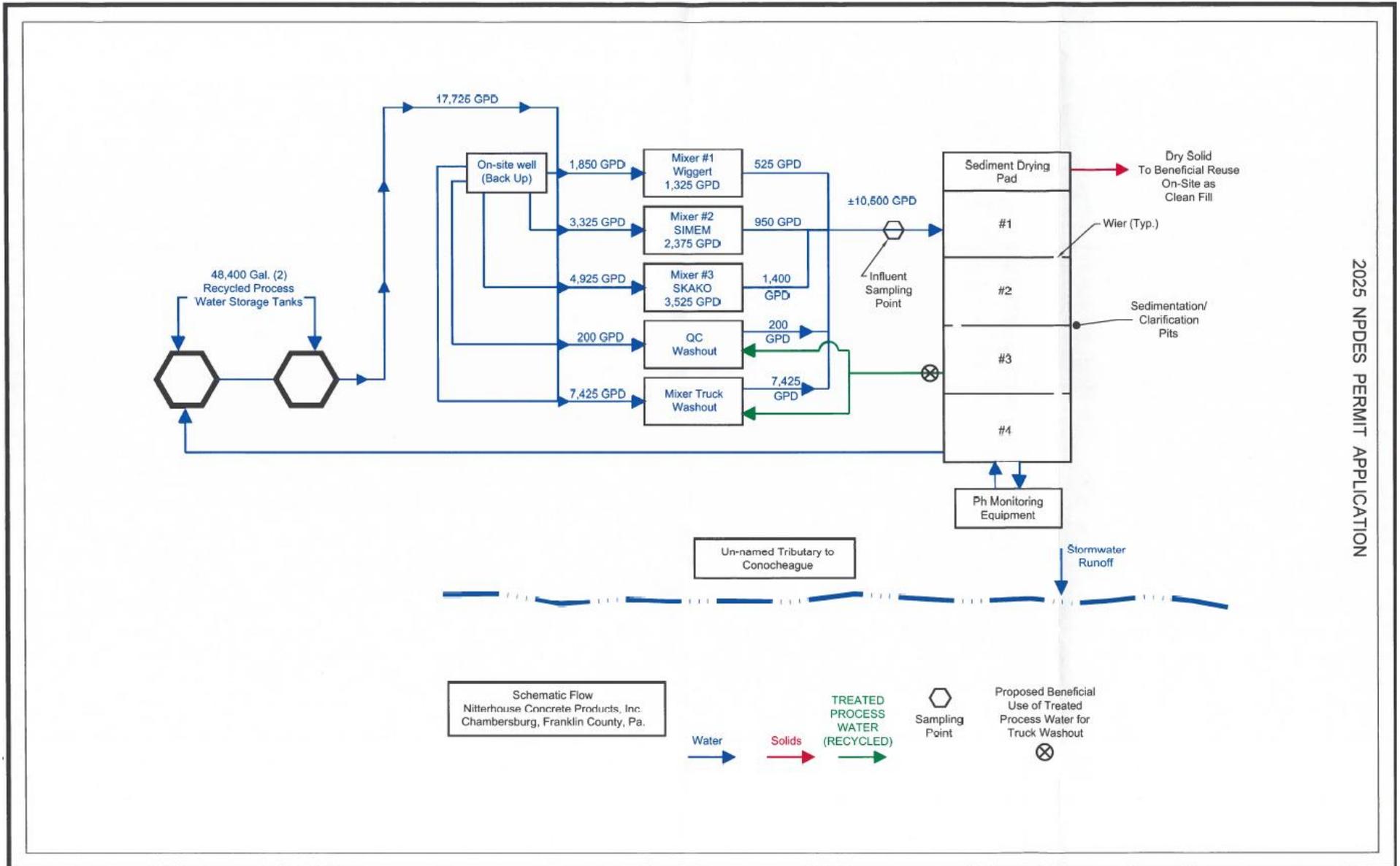


Figure 7. Process Water Schematic