pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southcentral Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0266370**
Facility Type	**Storm Water**	APS ID	**918680**
Major / Minor	**Minor**	Authorization ID	**1397935**

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

Applicant and Facility Information

Applicant Name	**Tarco Roofing Materials Inc.**	Facility Name	**Tarco Greencastle Felt Roofing Plant**
Applicant Address	8650 Molly Pitcher Highway	Facility Address	8650 Molly Pitcher Highway
	Greencastle, PA 17225-9716		Greencastle, PA 17225-9716
Applicant Contact	James Fairchild	Facility Contact	
Applicant Phone	(717) 597-1876	Facility Phone	
Client ID	94240	Site ID	462951
SIC Code	2952	Municipality	Antrim Township
SIC Description	Manufacturing - Asphalt Felts and Coatings	County	Franklin
Date Application Received	May 27, 2022	EPA Waived?	Yes
Date Application Accepted	May 31, 2022	If No, Reason	

Purpose of Application: Individual IW Stormwater NPDES Permit for an existing Roofing Materials Manufacturer

Summary of Review

This is a renewal for an NPDES individual permit to discharge stormwater associated with industrial activity located in Antrim Township, Franklin County.

Attached is a site plan showing the outfalls (Figure 1).
Attached is a topographic map showing the location of the facility (Figure 2).

The facility's SIC code is 2952 (Asphalt Felts and Coatings) which requires an NPDES permit for discharges of Stormwater Associated with Industrial Activity.

Facility Description: Roofing Materials Manufacturer. Built in 1997.

Since the receiving stream, has a designated use of HQ-CWF, the facility is not eligible for a PAG-03 NPDES General Permit for Discharges of Stormwater Associated with Industrial Activities; therefore, the facility had to apply for a NPDES Individual Permit for Stormwater Associated with Industrial Activities. If they qualified for a PAG-03, they would fall under Appendix M based on their SIC Code.

Currently, the facility is covered under NPDES Permit No. PA0266370, which will expire on November 30, 2022. The renewal application was received May 27, 2022.

There are two outfalls at the site, Outfall 001 and 002. They both discharge to an Unnamed tributary to Muddy Run. Outfall 002 is a No Exposure Outfall.

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

Approve	Deny	Signatures	Date
x		*Leah Staley* Leah Staley, E.I.T / Project Manager	6/9/2022
x		*Scott M. Arwood* Scott M. Arwood, P.E. / Environmental Engineer Manager	6/9/2022

Summary of Review

of the high-quality receiving stream. There are no open violations for the client that would warrant withholding the issuance of this permit. EPA waiver is in effect.
The PPC Plan was last updated March 2021.

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)	0
Latitude	39º 48' 44.4"	Longitude	-77º 43' 11.8"
Wastewater Description:	Stormwater from a roofing materials manufacturer		
Receiving Waters	Unnamed Tributary to Muddy Run	Stream Code	59856
NHD Com ID	49479370	RMI	0.1500
Drainage Area*	~3 mi^2	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)*	~1.0	Q_{7-10} Basis	
Watershed No.	13-C	Chapter 93 Class.	HQ-CWF, MF
Assessment Status	Impaired		
Cause(s) of Impairment	Other Habitat Alterations, Siltation		
Source(s) of Impairment	Agriculture, Agriculture		
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Hagerstown, MD		
PWS Waters	Potomac River	Distance from Outfall (mi)	~ 36

*USGS StreamStats Version 3.0: Pennsylvania (location where drainage swale joins UNT to Muddy Run)

Discharge is approximately 0.20 miles to UNT to Muddy Run

Outfall 001 flows to the retention basin.

Drainage Area: 335,431 square feet (21% impervious)

Description of Materials/Activities in Drainage Area Exposed to Precipitation: Roof, canopy over tanks, truck traffic, coal slag dust may enter.

Description of BMPs in Drainage Area to Control Pollutants in Stormwater: Retention Basin greatly minimizes runoff from the site; stormwater drain filters in each storm drain to catch sediment.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	002	Design Flow (MGD)	0
Latitude	39º 48' 41.9"	Longitude	-77º 43' 12.5"
Wastewater Description:	Stormwater from a roofing materials manufacturer		
Receiving Waters	Unnamed Tributary to Muddy Run	Stream Code	59856
NHD Com ID	49479370	RMI	0.1500
Drainage Area*	~3 mi^2	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)*	~1.0	Q_{7-10} Basis	
Watershed No.	13-C	Chapter 93 Class.	HQ-CWF, MF
Assessment Status	Impaired		
Cause(s) of Impairment	Other Habitat Alterations, Siltation		
Source(s) of Impairment	Agriculture, Agriculture		
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Hagerstown, MD		
PWS Waters	Potomac River	Distance from Outfall (mi)	~ 36

*USGS StreamStats Version 3.0: Pennsylvania (location where drainage swale joins UNT to Muddy Run)

Discharge is approximately 0.25 miles to UNT to Muddy Run

Outfall 002 flows to the retention basin

Drainage Area: 358,386 square feet (33% impervious)

Description of Materials/Activities in Drainage Area Exposed to Precipitation: Roof, asphalt pavement, truck traffic, wrapped finished products, diesel fuel tank with secondary containment.

Description of BMPs in Drainage Area to Control Pollutants in Stormwater: Retention Basin greatly minimizes runoff from the site; stormwater drain filters in each storm drain to catch sediment.

Outfall 002 is checked as No Exposure.

Compliance History	
Summary of DMRs:	Semi-Annual DMRs were submitted for 2018 to 2022. TSS concentration exceeded the benchmark value of 100 mg/L on one sample from 2018 to 2022. COD concentration exceeded the benchmark value of 120 mg/L on two samples from 2018 to 2022.
Summary of Inspections:	Facility was inspected on 1/30/2020. No violations noted.

Other Comments: There are no open violations for the facility.

Proposed Effluent Limitations and Monitoring Requirements

Table 1. DMR Data for Outfall 001 (from January 2018 to May 2022)

Parameter (mg/L)	5/20/22	1/4/22	7/6/21	11/20/20	7/10/20	1/24/20	7/15/19	6/30/18	1/1/18
pH (S.U.)	8.01	7.12	8.34	7.56	8.84	8.08	7.25	7.52	7.52
COD	27	<25	34	147	80	48	187	79	79
TSS	20	161	29	66	82	31	94	72	72
Oil and Grease	<5	<5	<5	<5	5	<5	5	8	8

Outfall 002 is checked as No Exposure.

Stormwater Sampling Results:
Sample results from the application received May 27, 2022 are provided in the table below. A stormwater sample was collected at Outfall 001 and Outfall 002 on 3/7/2022.

Table 2.

	Outfall 001			
Parameter	**Average concentration**	**Max. concentration**	**Benchmark (indicative of No Exposure*)**	**Benchmark (from PAG-03 Appendices)**
Oil and Grease (mg/L)	<5	<5	<5	30
BOD5 (mg/L)	5.3	5.3	<10	---
COD (mg/L)	27	27	<30	120
TSS (mg/L)	20	20	<30	100
Total Nitrogen (mg/L)	2.00	2.0	<2	---
Total Phosphorous (mg/L)	0.04	0.04	<1	---
pH (S.U.)	8.01	8.01	6.0 to 9.0	---

Table 3.

	Outfall 002			
Parameter	**Average concentration**	**Max. concentration**	**Benchmark (indicative of No Exposure*)**	**Benchmark (from PAG-03 Appendices)**
Oil and Grease (mg/L)	<5	<5	<5	30
BOD5 (mg/L)	5.2	5.2	<10	---
COD (mg/L)	<25	<25	<30	120
TSS (mg/L)	15	15	<30	100
Total Nitrogen (mg/L)	1.35	1.35	<2	---
Total Phosphorous (mg/L)	0.04	0.04	<1	---
pH (S.U.)	7.96	7.96	6.0 to 9.0	---

*NPDES Application for Individual Permit to Discharge Industrial Stormwater Instructions: In general, DEP considers the following benchmark values to be indicative of No Exposure conditions; these values may also be used by DEP to evaluate non-degrading stormwater discharges for anti-degradation purposes.

Based on the facility's **SIC Code of 2952**, the **applicable PAG-03** NPDES Permit for Discharges of Stormwater Associated with Industrial Activity (effective 9/24/16 and currently administratively extended) appendix is **Appendix M**, which would include the following monitoring requirements:

Table 4. PAG-03, Appendix M Requirements

Parameter	Monitoring Requirements		Benchmark Values
	Minimum Measurement Frequency	Sample Type	
pH	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

The **proposed parameters and monitoring requirements** for Outfall 001:

Table 5.
Proposed Monitoring Requirements for Outfall 001

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Chemical Oxygen Demand (COD)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

All required parameters from PAG-03 Appendix M are included in this permit. A benchmark for TSS of 100 mg/L and Oil and Grease of 30 mg/L is included, which is typical of the monitoring requirements for PAG-03 Appendix M. In addition, COD is being retained as a parameter for Outfall 001 as monitor and report once per six months since COD was detected above the No Exposure indicative benchmarks in recent years. A benchmark for COD of 120 mg/L is included, which is typical of the monitoring requirements for PAG-03 appendices.

The BMPs from Appendix M are included.
The requirement to submit an Annual Report is included.
The requirement for routine inspections on a semiannual basis is included.

PWS Intake:
The closest downstream public water supply intake from the discharge point is at Hagerstown, MD on the Potomac River. The distance from the discharge to the intake is approximately 36 miles. The discharge will not impact the intake because of the distance, additional dilution from the Potomac River, and the effluent limits.

Module 4 - Antidegradation: Module 4 was not completed since this is for a renewal of an NPDES permit, for an existing facility.
The existing discharge commenced in 1997. Muddy Run was designated as HQ-CWF in 1979.
The following non-discharge alternatives are infeasible: Pollution prevention and process change; Alternative project siting; recycle/reuse of wastewater or stormwater; alternative discharge locations; holding facilities and wastewater hauling; and constructed treatment wetlands.
The discharges are stormwater only, therefore, pollution prevention and process changes, and holding facilities and wastewater hauling were not applicable. Recycling or reuse of stormwater is not feasible, since the facility does not have a use for the stormwater in its industrial processes. Constructed treatment wetlands are not feasible due to the intermittent nature of the stormwater discharge and since land application to the onsite retention basin has been in place for over 20 years.
Land application of stormwater was the only feasible alternative. In 1997, a permanent stormwater basin was installed on the site. Refer to Figure 1 for location of stormwater basin. All stormwater from the Tarco Roofing Materials site flows to this stormwater basin and does not discharge to the waters of the Commonwealth.
Conclusion: The stormwater should not cause degradation of the receiving stream.

Part C Special Conditions:

- **I. Stormwater Outfalls and Authorized non-stormwater discharges**
- **II. Best Management Practices (BMPs) – including sector-specific BMPs from Appendix M**
- **III. Routine Inspections**
- **IV. Preparedness, Prevention and Contingency (PPC) Plan**
- **V. Stormwater Monitoring Requirements – Including Stormwater Benchmark Values**
- **VI. Other Requirements**

I. STORMWATER OUTFALLS AND AUTHORIZED NON-STORMWATER DISCHARGES

A. The permittee is authorized to discharge non-polluting stormwater from its site through the following outfalls:

Outfall No.	Area Drained (ft^2)	Latitude	Longitude	Description
001	335,431	39° 48’ 44.4”	-77° 43’ 11.8”	Roof, canopy over tanks, truck traffic, coal slag dust may enter
002	358,386	39° 48’ 41.9”	-77° 43’ 12.5”	Roof, asphalt pavement, truck traffic, wrapped finished products, diesel fuel tank with secondary containment.

Monitoring requirements and effluent limitations for these outfalls are specified in Part A of this permit, if applicable.

B. The permittee is authorized to discharge the following non-stormwater discharges under this permit:

- Discharges from emergency/unplanned fire-fighting activities;
- Potable water, including water line flushings and fire hydrant flushings, that do not contain measurable concentrations of Total Residual Chlorine (TRC);
- Uncontaminated condensate from air conditioners, coolers/chillers, and other compressors (if treatment through an oil/water separator is provided) and from the outside storage of refrigerated gases or liquids;
- Irrigation drainage;
- Landscape water if such water does not contain pesticides, herbicides or fertilizers;
- Pavement wash waters where no detergents or hazardous cleaning products are used, and the wash waters do not come into contact with oil and grease deposits, sources of pollutants associated with industrial activities, or any other toxic or hazardous materials;
- Routine external building washdown / power wash water that does not use detergents or hazardous cleaning products (e.g., those containing bleach, hydrofluoric acid, muriatic acid, sodium hydroxide, nonylphenols);

- Uncontaminated ground water or spring water;
- Foundation or footing drains where flows are not contaminated with process materials; and
- Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of a facility, but not intentional discharges from the cooling tower.

II. BEST MANAGEMENT PRACTICES (BMPs)

The permittee shall implement and, as necessary, maintain the following BMPs to remain in compliance with this permit.

A. Pollution Prevention and Exposure Minimization.

The permittee shall minimize the exposure of manufacturing, processing, and material storage areas (including loading and unloading, storage, disposal, cleaning, maintenance, and fueling operations) to rain, snow, snowmelt, and runoff in order to minimize pollutant discharges by either locating industrial materials and activities inside or protecting them with storm resistant coverings wherever feasible. The permittee shall implement and maintain the following measures, at a minimum:

1. Use grading, berming or curbing to prevent runoff of polluted stormwater and divert run-on away from areas that contain polluted stormwater.

2. Locate materials, equipment, and activities so that potential leaks and spills are contained or able to be contained or diverted before discharge to surface waters.

3. Clean up spills and leaks promptly using dry methods (e.g., absorbents) to prevent the discharge of pollutants to surface waters.

4. Store leaky vehicles and equipment indoors or, if stored outdoors, use drip pans and absorbents to prevent the release of pollutants to the environment.

5. Use spill/overflow protection equipment.

6. Perform all vehicle and/or equipment cleaning operations indoors, under cover, or in bermed areas that prevent runoff and run-on and also that capture any overspray.

7. Drain fluids from equipment and vehicles that will be decommissioned, and, for any equipment and vehicles that will remain unused for extended periods of time, inspect at least monthly for leaks.

8. Keep all dumpster lids closed when not in use. For dumpsters and roll off boxes that do not have lids, ensure that discharges have a control (e.g., secondary containment, treatment). This permit does not authorize dry weather discharges from dumpsters or roll off boxes.

9. Minimize contamination of stormwater runoff from fueling areas by implementing the following BMPs where determined to be feasible: cover fueling areas; install oil/water separators or oil and grease traps in fueling area storm drains; use berms to prevent run-on to and runoff from fueling areas; use spill/overflow protection and cleanup equipment; use dry cleanup methods; and/or treat and/or recycle collected stormwater runoff.

10. Train employees routinely (no less than annually) on pollution prevention practices as contained in the PPC Plan.

B. Good Housekeeping.

The permittee shall perform good housekeeping measures in order to minimize pollutant discharges including the routine implementation of the following measures, at a minimum:

1. Implement a routine cleaning and maintenance program for all impervious areas of the facility where particulate matter, dust or debris may accumulate to minimize the discharge of pollutants in stormwater. The

cleaning and maintenance program must encompass, as appropriate, areas where material loading and unloading, storage, handling and processing occur.

2. Store materials in appropriate containers.

3. Minimize the potential for waste, garbage and floatable debris to be discharged by keeping exposed areas free of such materials, or by intercepting them before they are discharged.

4. Eliminate floor drain connections to storm sewers.

5. Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse. Drain fluids from all equipment and parts prior to disposal. Promptly transfer used fluids to the proper container; do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.

6. Label and track the recycling of waste material (e.g., used oil, spent solvents, batteries).

7. Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a municipal or other storm water collection system that conveys pollutants off-site without proper treatment.

C. Erosion and Sediment Controls.

1. The permittee shall minimize erosion and pollutant discharges by stabilizing exposed soils and placing flow velocity dissipation devices at discharge locations to minimize channel and stream bank erosion and scour in the immediate vicinity of stormwater outfalls.

2. The permittee shall conduct all earth disturbance activities and, when applicable, shall maintain all post-construction stormwater management (PCSM) BMPs in accordance with 25 Pa. Code Chapter 102.

3. The permittee may not utilize polymers or other chemicals to treat stormwater unless written permission is obtained from DEP.

D. Spill Prevention and Responses.

The permittee shall minimize the potential for leaks, spills and other releases that may be exposed to stormwater and develop a plan consistent with Part C IV for effective responses to such releases. The permittee shall conduct the following spill prevention and response measures, at a minimum:

1. Maintain an organized inventory of materials on-site. Plainly label containers (e.g., “Used Oil,” “Spent Solvents,” “Fertilizers and Pesticides”) that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur.

2. Implement procedures for material storage and handling, including the use of secondary containment and barriers between material storage and traffic areas, or a similarly effective means designed to prevent the discharge of pollutants from these areas.

3. Develop and implement employee and contractor training on the procedures for expeditiously stopping, containing, and cleaning up leaks, spills, and other releases. The permittee shall conduct periodic training, no less than annually, and document the training on the Annual Report required by Part A III.C.1.

4. Keep spill kits on-site, located near areas where spills may occur or where a rapid response can be made.

5. Notify appropriate facility personnel when a leak, spill, or other release occurs.

6. To the extent possible, eliminate or reduce the number and amount of hazardous materials and waste by substituting non-hazardous or less hazardous materials of equal function, as determined by the permittee.

7. Clean up leaks, drips, and other spills without using large amounts of water or liquid cleaners. Use absorbents for dry cleanup whenever possible.

When a leak, spill or other release occurs during a 24-hour period that contains a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under 40 CFR Parts 110, 117 or 302, the permittee shall, in addition to the notification requirements contained in Part A III.C.3 of this permit, notify the National Response Center (NRC) at (800) 424-8802 in accordance with the requirements of 40 CFR Parts 110, 117, and 302 as soon as the permittee becomes aware of the discharge.

E. Sector-Specific BMPs.

1. Provide for secondary containment around asphalt and petroleum product tanks; install leak detection and high level overflow devices.

2. Practice good housekeeping by periodically removing dust and spilled materials from throughout the site.

3. Divert stormwater run-on from aggregate storage areas and design piles to minimize erosion and control runoff.

4. Only perform vehicle washing in dedicated areas; collect washwater from storm drainage separately.

5. Complete truck wheel washing if necessary to avoid off-site material tracking.

6. Utilize dust control agents.

7. Use biodegradable truck release materials.

8. Wash trucks using biodegradable washing materials or wash trucks indoors.

9. Use silt fences or rock filters around piles or sediment basins to control turbidity in runoff.

10. Ensure that vegetated drainage ditches and swales are properly seeded and any accumulated materials in them have been removed at least annually.

III. ROUTINE INSPECTIONS

A. The permittee shall visually inspect the following areas and BMPs on a semiannual basis (calendar periods), at a minimum:

1. Areas where industrial materials or activities are exposed to stormwater.

2. Areas identified in the PPC Plan as potential pollutant sources.

3. Areas where spills or leaks have occurred in the past three years.

4. Stormwater outfalls and locations where authorized non-stormwater discharges may commingle.

5. Physical BMPs used to comply with this permit.

At least once each calendar year, the routine inspection must be conducted during a period when a stormwater discharge is occurring.

B. The permittee shall evaluate and document the following conditions, at a minimum, in the Annual Report required by Part A III.C.1 through required inspections:

1. Raw materials, products or wastes that may have or could come into contact with stormwater.

2. Leaks or spills from equipment, drums, tanks and other containers.

3. Off-site tracking of industrial or waste materials, or sediment where vehicles enter or exit the site.

4. Tracking or blowing of raw, final or waste materials from areas of no exposure to exposed areas.

5. Control measures or BMPs needing replacement, maintenance or repair.

6. The presence of authorized non-stormwater discharges that were not identified in the permit application and non-stormwater discharges not authorized by this permit.

IV. PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLAN

A. The permittee shall develop and implement a PPC Plan in accordance with 25 Pa. Code § 91.34 following the guidance contained in DEP's "Guidelines for the Development and Implementation of Environmental Emergency Response Plans" (DEP ID 400-2200-001), its NPDES-specific addendum and the minimum requirements below.

1. The PPC Plan must identify all potential sources of pollutants that may reasonably be expected to affect the quality of stormwater discharges from the facility.

2. The PPC Plan must describe preventative measures and BMPs that will be implemented to reduce or eliminate pollutants from coming into contact with stormwater resulting from routine site activities and spills.

3. The PPC Plan must address actions that will be taken in response to on-site spills or other pollution incidents.

4. The PPC Plan must identify areas which, due to topography or other factors, have a high potential for soil erosion, and identify measures to limit erosion. Where necessary, erosion and sediment control measures must be developed and implemented in accordance with 25 Pa. Code Chapter 102 and DEP's "Erosion and Sediment Pollution Control Manual" (DEP ID 363-2134-008).

5. The PPC Plan must address security measures to prevent accidental or intentional entry which could result in an unintentional discharge of pollutants.

6. The PPC Plan must include a plan for training employees and contractors on pollution prevention, BMPs, and emergency response measures. This training must be conducted in accordance with Part C II.D.3.

7. If the facility is subject to SARA Title III, Section 313, the PPC Plan must identify releases of "Water Priority Chemicals" within the previous three years. Water Priority Chemicals are those identified in EPA's "Guidance for the Determination of Appropriate Methods for the Detection of Section 313 Water Priority Chemicals" (EPA 833-B-94-001, April 1994). The Plan must include an evaluation of all activities that may result in the stormwater discharge of Water Priority Chemicals.

8. Spill Prevention Control and Countermeasure (SPCC) plans may be used to meet the requirements of this section if the minimum requirements are addressed.

B. The permittee shall review and if necessary update the PPC Plan on an annual basis, at a minimum, and when one or more of the following occur:

1. Applicable DEP or federal regulations are revised, or this permit is revised.

2. The PPC Plan fails in an emergency.

3. The facility's design, industrial process, operation, maintenance, or other circumstances change in a manner that materially increases the potential for fires, explosions or releases of toxic or hazardous constituents; or which changes the response necessary in an emergency.

4. The list of emergency coordinators or equipment changes.

5. When notified in writing by DEP.

The permittee shall maintain all PPC Plan updates on-site, make the updates available to DEP upon request, and document the updates in Annual Reports.

V. STORMWATER MONITORING REQUIREMENTS

A. The permittee shall conduct monitoring of its stormwater discharges at the representative outfalls identified in Part A of this permit. The permittee shall document stormwater sampling event information and no exposure conditions for each calendar year on the Annual Report required by Part A III.C.1.

B. The permittee shall, upon written notice from DEP, install inlets, pipes, and/or other structures or devices that are considered necessary in order to conduct representative stormwater sampling, in accordance with a schedule provided by DEP.

C. The permittee shall collect all samples from discharges resulting from a storm event that is greater than 0.1 inch in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The 72-hour storm interval is waived when the preceding storm did not yield a measurable discharge, or if the permittee is able to document that a less than 72-hour interval is representative for local storm events during the sample period.

D. The permittee shall collect all grab samples within the first 30 minutes of a discharge, unless the permittee determines that this is not possible, in which case grab samples must be collected as soon as possible after the first 30 minutes of a discharge. The permittee shall explain why samples could not be collected within the first 30 minutes of any discharge on the Annual Report required by Part A III.C.1.

E. The permittee shall collect stormwater samples at times when commingling with non-stormwater discharges is not occurring or at locations prior to the commingling of non-stormwater discharges.

F. Stormwater Benchmark Values.

1. A benchmark value is the concentration of a pollutant in stormwater discharges that serves as a threshold for the determination of whether existing site BMPs are effective in controlling stormwater pollution. In the event that stormwater discharge concentrations for a parameter exceeds the benchmark value(s) identified below at the same outfall for two or more consecutive monitoring periods, the permittee shall develop a corrective action plan to reduce the concentrations of the parameters in stormwater discharges.

Parameter	Benchmark Value (mg/L)
Oil and Grease	30
Total Suspended Solids	100
Chemical Oxygen Demand	120

2. The permittee shall submit the corrective action plan to DEP within 90 days of the end of the monitoring period triggering the need for the plan, and shall implement the plan immediately upon submission or at a later time if authorized by DEP in writing. The permittee shall, in developing the plan, evaluate alternatives to reduce stormwater concentrations and select one or more BMPs or control measures for implementation, unless the permittee can demonstrate in the plan that (1) the exceedances are solely attributable to natural background sources; (2) no further pollutant reductions are technologically available and economically practicable and achievable in light of best industry practice; or (3) further pollutant reductions are not necessary to prevent stormwater discharges from causing or contributing to an exceedance of applicable water quality standards.

VI. OTHER REQUIREMENTS

A. The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance or replacement of all structures associated with the herein approved discharge in, along, or across private property, with full rights of ingress, egress and regress.

B. Collected screenings, slurries, sludges, and other solids shall be handled, recycled and/or disposed of in compliance with the Solid Waste Management Act (35 P.S. §§ 6018.101 – 6018.1003), 25 Pa. Code Chapters 287, 288, 289, 291, 295, 297, and 299 (relating to requirements for landfilling, impoundments, land application, composting, processing, and storage of residual waste), Chapters 261a, 262a, 263a, and 270a (related to identification of hazardous waste, requirements for generators and transporters, and hazardous waste, requirements for generators and transporters, and hazardous waste permit programs), federal regulation 40 CFR

Part 257, The Clean Streams Law, and the Federal Clean Water Act and its amendments. Screenings collected at intake structures shall be collected and managed and not be returned to the receiving waters.

The permittee is responsible to obtain or assure that contracted agents have all necessary permits and approvals for the handling, storage, transport and disposal of solid waste materials generated as a result of wastewater and stormwater treatment

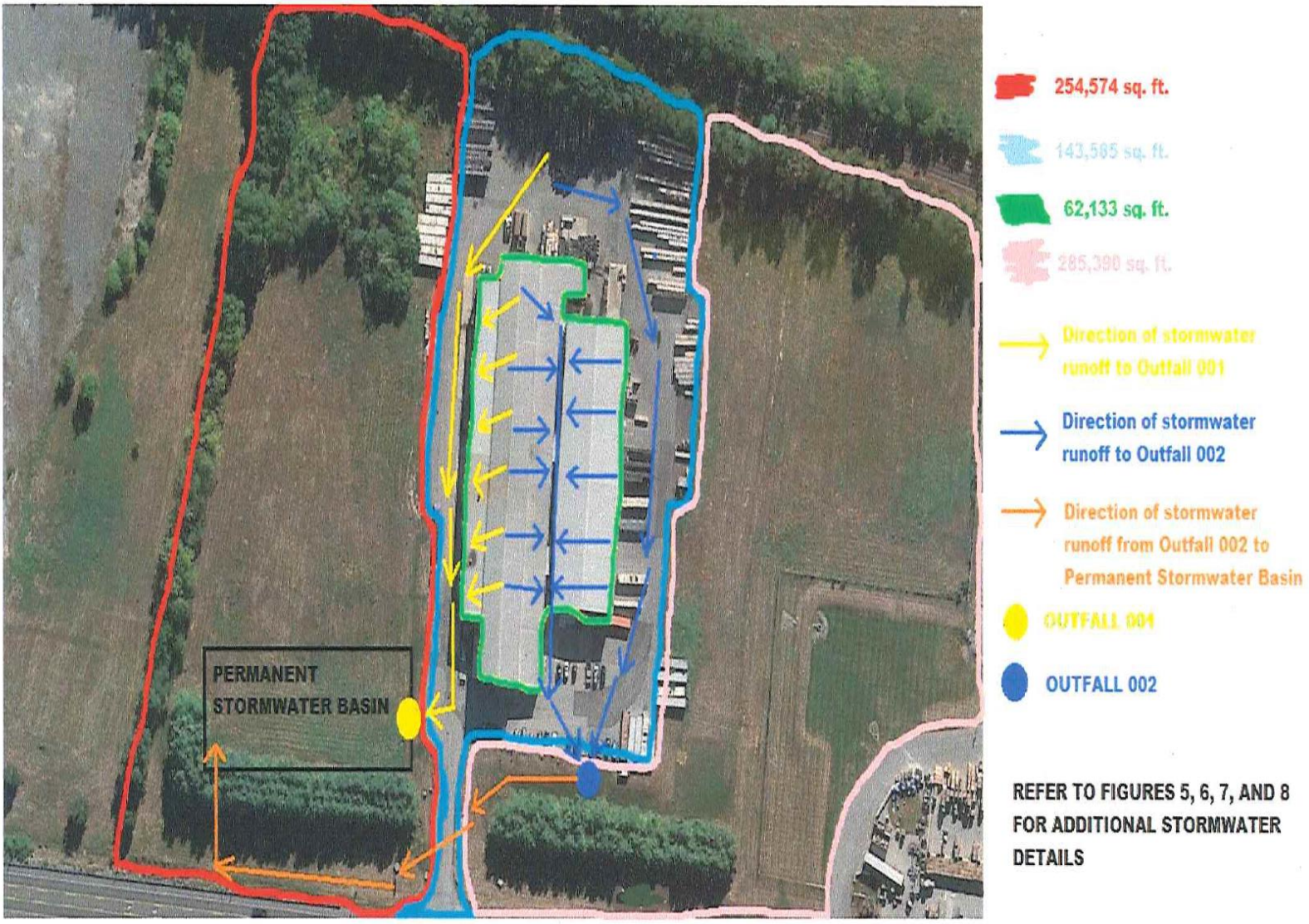

Figure 1. Site Plan

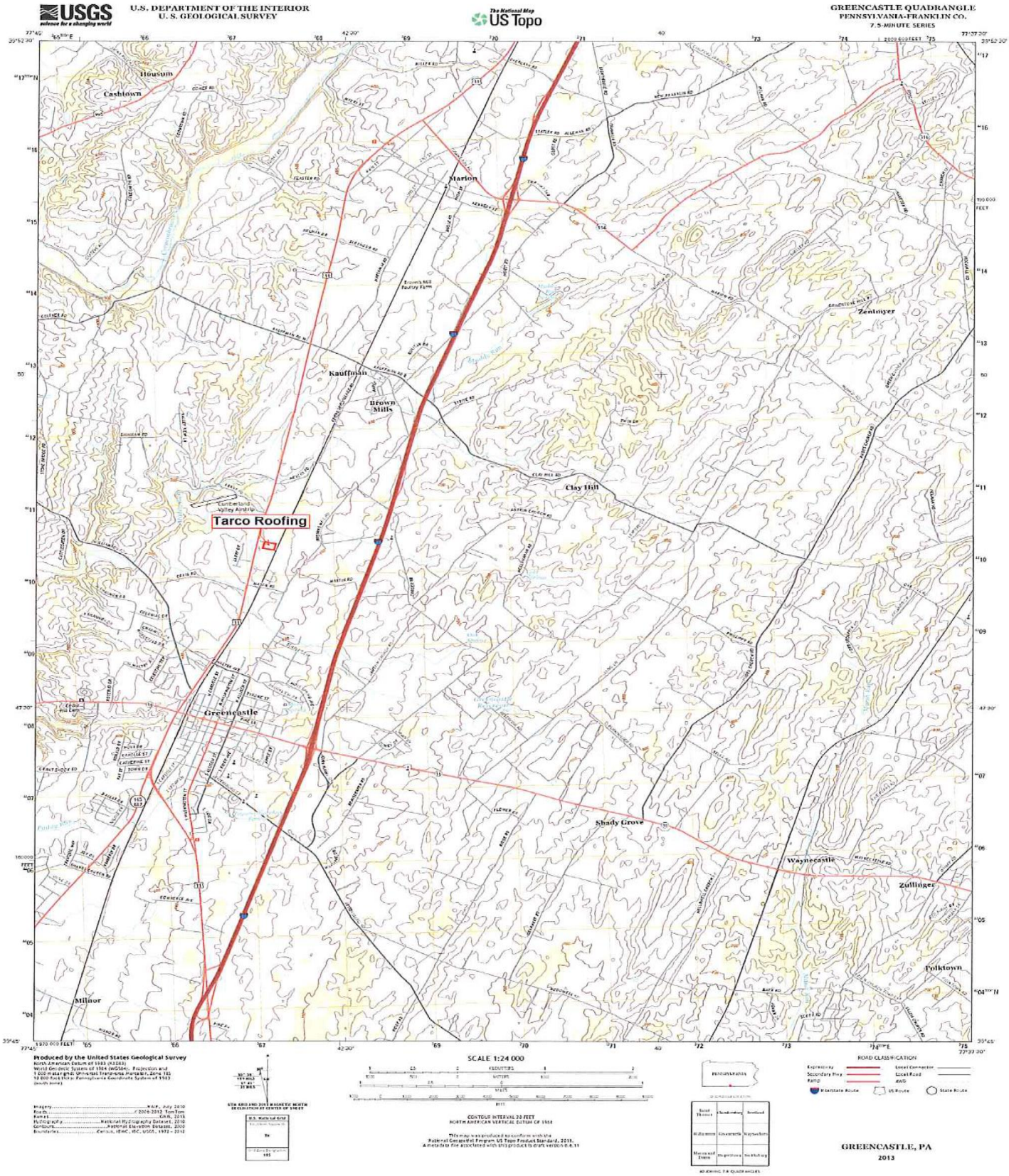

Figure 2. Topographic Map showing location