pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Amendment, Major**	Application No.	**PA0255360 A-1**
Facility Type	**Storm Water**	APS ID	**1044356**
Major / Minor	**Minor**	Authorization ID	**1363447**

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

Applicant and Facility Information

Applicant Name	**Three Rivers Marine & Rail Terminal LLC**	Facility Name	**Belle Vernon Aka Gibsonton River Terminal**
Applicant Address	17 Arentzen Boulevard Charleroi, PA 15022	Facility Address	Route 906 And I-70 Belle Vernon, PA 15012
Applicant Contact	Joseph Shearer	Facility Contact	Joseph Shearer
Applicant Phone	(724) 489-4100	Facility Phone	(724) 489-4100
Client ID	114840	Site ID	827594
SIC Code	4225,4491	Municipality	Rostraver Township
SIC Description	Trans. & Utilities - General Warehousing And Storage,Trans. & Utilities - Marine Cargo Handling	County	Westmoreland
Date Application Received	July 7, 2021	EPA Waived?	Yes
Date Application Accepted		If No, Reason	
Purpose of Application	Amend the Outfall Drainage Areas to reflect proposed facility construction projects and account for different industrial activities conducted in the drainage areas.		

Summary of Review

On July 7, 2021, the Department received a Major Modification Application to NPDES Permit PA0255360 from Three Rivers Marine & Rail Terminal, LLC (Three Rivers) for the Three Rivers facility located in Rostraver Township, Westmoreland County. The Amendment requests the following changes: revise drainage areas for Pond 1 (Outfall 001) and Pond A (Outfall 002) resulting from the development of an indoor salt storage area; revisions to stormwater management systems for Ponds 1 and A along with reconfiguring the Ponds; update of the bulk product storage inventory for the site to include liquid dust suppression and freeze conditioning agents stored by ECO Solution Distributing Company located within the Pond A drainage area.

Belle Vernon River Terminal is an 86-acre (approximately 70% impervious and 30% pervious) transfer, storage, and packaging facility located in Rostraver Township, Westmoreland County. The facility is located along the Monongahela River at Mile Marker 42.5. Materials are transported in and out of the facility by barge, truck, and rail. Three Rivers handles bulk materials that include the following: salt, coal/coke, stone, sand, gravel, fertilizer, metal goods, and finished products. Salt is stored outdoors on a paved storage pad. Stockpiled fertilizer is stored indoors within a large warehouse structure toward the center of the property. Some fertilizer and salt stockpiles are also located inside the Keystone Building at the northern end of the property where all bagging operations take place. The bagging operation includes packaging of bulk materials (i.e., salt and fertilizer) for commercial sale. Bagged and wrapped finished products are stored outdoors in the general vicinity of the Keystone Building. There is also an approximately 1.4-acre area towards the middle of the property that is utilized by ECO Solutions (Third Party) as a tank storage and transfer area for dust suppression and freeze condition agents.

Approve	Deny	Signatures	Date
X		Curtis Holes, P.E. / Environmental Engineering	March 25, 2022
X		Michael E. Fifth, P.E. / Environmental Engineer Manager	April 15, 2022

Summary of Review

The majority of the site is covered by a combination of asphalt, gravel, and slag that was deposited during past industrial (including steel-making) activities at the site. Upon acquiring the site in 1988, Three Rivers conducted a general site cleanup, which included the removal of scrap metal, oil tanks, and remnants of demolished buildings that were abandoned at the site. New features added by Three Rivers at the site include a scale house, paved access road, paved outdoor salt storage pads, an indoor storage building, the bagging building, dock improvements, and additional stormwater management features.

Stormwater from the site's operational areas generally flows to one of the three existing stormwater ponds, designated as Pond 1, Pond A, and Pond B. The stormwater from these ponds discharges through Outfalls 001, 002, and 003 respectively. Pond 1 (Outfall 001) receives the bulk of the contact stormwater of the facility, including runoff from the outdoor salt stockpiles, sand/gravel piles, and remnant coal/coke pile areas. Pond A (Outfall 002) receives stormwater primarily from the southern portion of the Keystone Building\, its surrounding (mostly paved) finished product storage areas, currently uses stockpile areas, and the ECO Solutions tank storage area. Pond B (Outfall 003) receives stormwater runoff from the northern portion of the Keystone Building and its surrounding (mostly paved) finished product storage areas.

This Amendment addresses stormwater management associated with two (2) projects involving Ponds A and 1 and their associated drainage areas as follows:

- **Development of new indoor salt storage area** – The project involves improving Pond A as-well-as grading, paving, building construction, and stormwater conveyance feature installation for a new indoor salt storage area within the drainage area of Pond A.

  Three Rivers is planning the expansion of its indoor storage capacity through construction of two (2) large warehouse buildings for packaged salt storage toward the middle of the site, in a former stockpile area that currently drains to Ponds 1 and A adjacent to the ECO Solutions pad area. The ECO Solutions pad will be expanded approximately 0.3 acres. After this construction, the stormwater drainage will drain almost entirely to Pond A. The proposed construction includes two (2) 100-ft-wide by 500-ft-long fabric buildings spaced approximately 200 ft apart, with new pavement around the buildings, stormwater inlets and piping along with modification of existing Pond A to manage stormwater runoff from the newly increased drainage area (20.6 acres). The development area, which spans approximately 14.1 acres, is referred to collectively as the Indoor Salt Storage Development Area. Plans and details for the proposed development, including temporary and permanent controls to manage stormwater and prevent erosion and sediment pollution are presented in the Erosion and Sediment Pollution Control (E&SPC) Plan, approved by Westmoreland County Conservation District (WCD). The post-construction stormwater evaluation of the Development Area and modified Pond A are presented in the Post-Construction Stormwater Management (PCSM) Plan, approved by WCD.

- **Improvement and Lining of Pond 1** – Three Rivers is proposing the improvement and lining of existing Pond 1 in accordance with the NPDES Permit. The liner is required due to the pond receiving stormwater runoff from the facility's outdoor salt stockpile. The proposed liner system configuration was previously provided to the Department as part of required milestone and progress reports. The project area for this work is approximately 5.7 acres. A separate E&SPC Plan will be developed and submitted to WCD for approval. This project is included with the Indoor Salt Storage Development Project for the purpose of proper accounting of changing the stormwater volumes and flows discharged to the Monongahela River, as a portion of the Pond 1 drainage area is re-directed to Pond A from the Indoor Salt Storage Development Project.

- **ECO Solutions Material Update** – The application identified two (2) dust suppressants (DC-660 and Silica Dust Suppressant) ECO Solutions stores at the facility.

Summary of Review

Outfall 001 (40.1297, -79.8825) – Drainage Area 33.1 acres

The wastewater description for Outfall 001 is unchanged by this amendment and remains Stormwater runoff associated with industrial activity outdoor material storage (Salt, Coal/Coke, Stone, Sand, Fertilizer, and Metal Finished Products). Outfall 001 discharge is unchanged by this addendum. The drainage area for Pond 1 will decrease along with installation of a liner system. No change to the previously imposed monitoring requirements for Outfall 001, previously imposed monitoring will be maintained.

Table 1: Outfall 001 Monitoring Requirements

Parameter	Instant. Minimum	Average Monthly	Daily Maximum	Instantaneous Maximum	Sample Frequency	Sample Type
Flow (MGD)	-	-	Report	-	1/month	Estimated
pH	6.0	-	-	9.0	1/month	Grab
Total Suspended Solids (mg/L)	-	-	Report	50.0	1/month	Grab
Total Dissolved Solids (mg/L)	-	-	Report	-	1/month	Grab
Sulfate (mg/L)	-	-	Report	-	1/month	Grab
Chloride (mg/L)	-	-	Report	-	1/month	Grab
Bromide (mg/L)	-	-	Report	-	1/month	Grab
Fluoride (mg/L)	-	-	Report	-	1/month	Grab
Oil and Grease (mg/L)	-	-	Report	-	1/month	Grab
Total Iron (mg/L)	-	-	Report	-	1/month	Grab
Dissolved Iron (mg/L)	-	-	Report	7.0	1/month	Grab

Outfall 002 (40.1339, -79.8827) – Drainage Area 20.6 acres

The wastewater description for Outfall 002 is changed by this amendment. Wastewater description Stormwater runoff associated with industrial activity outdoor material storage (Pallets and Metal Finished Products) along with stormwater runoff from indoor operations from Indoor Salt Storage, ECO Solutions. The drainage area for Pond A will increase and the pond will be reconfigured to accommodate the added volume of stormwater. The updated industrial activities conducted in the drainage area of Outfall 002 do not add additional parameters of concern. No change to the previously imposed monitoring requirements for Outfall 002, previously imposed monitoring will be maintained.

Table 2: Outfall 002 Monitoring Requirements

Parameter	Instant. Minimum	Average Monthly	Daily Maximum	Instantaneous Maximum	Sample Frequency	Sample Type
Flow (MGD)	-	-	Report	-	1/6 months	Estimated
pH	6.0	-	-	9.0	1/6 months	Grab
Total Suspended Solids (mg/L)	-	-	Report	-	1/6 months	Grab
Oil and Grease (mg/L)	-	-	Report	-	1/6 months	Grab
Dissolved Iron (mg/L)	-	-	Report	7.0	1/6 months	Grab

Summary of Review

Outfall 003 (40.1369, -79.8886) – Drainage Area 7.5 acres

The wastewater description for Outfall 003 is unchanged by this amendment. Wastewater description Stormwater runoff from finished product storage areas, roofs, and general operations (vehicular traffic, loading/unloading). No change to the previously imposed monitoring requirements for Outfall 003, previously imposed monitoring will be maintained.

Table 3: Outfall 003 Monitoring Requirements

Parameter	Instant. Minimum	Average Monthly	Daily Maximum	Instantaneous Maximum	Sample Frequency	Sample Type
Flow (MGD)	-	-	Report	-	1/6 months	Estimated
pH	6.0	-	-	9.0	1/6 months	Grab
Total Suspended Solids (mg/L)	-	-	Report	-	1/6 months	Grab
Oil and Grease (mg/L)	-	-	Report	-	1/6 months	Grab
Dissolved Iron (mg/L)	-	-	Report	7.0	1/6 months	Grab

On September 9, 2019, James Stewart conducted a site inspection with no violations noted.

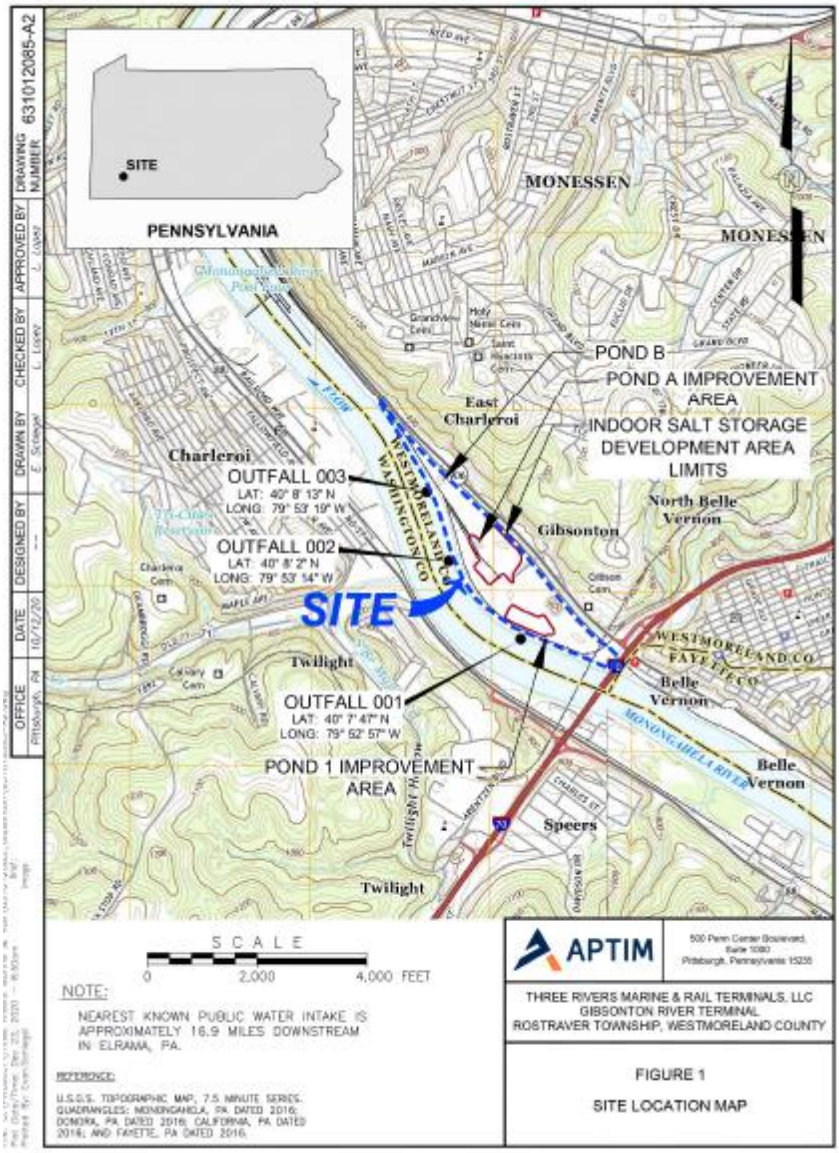
The facility has no open violations.

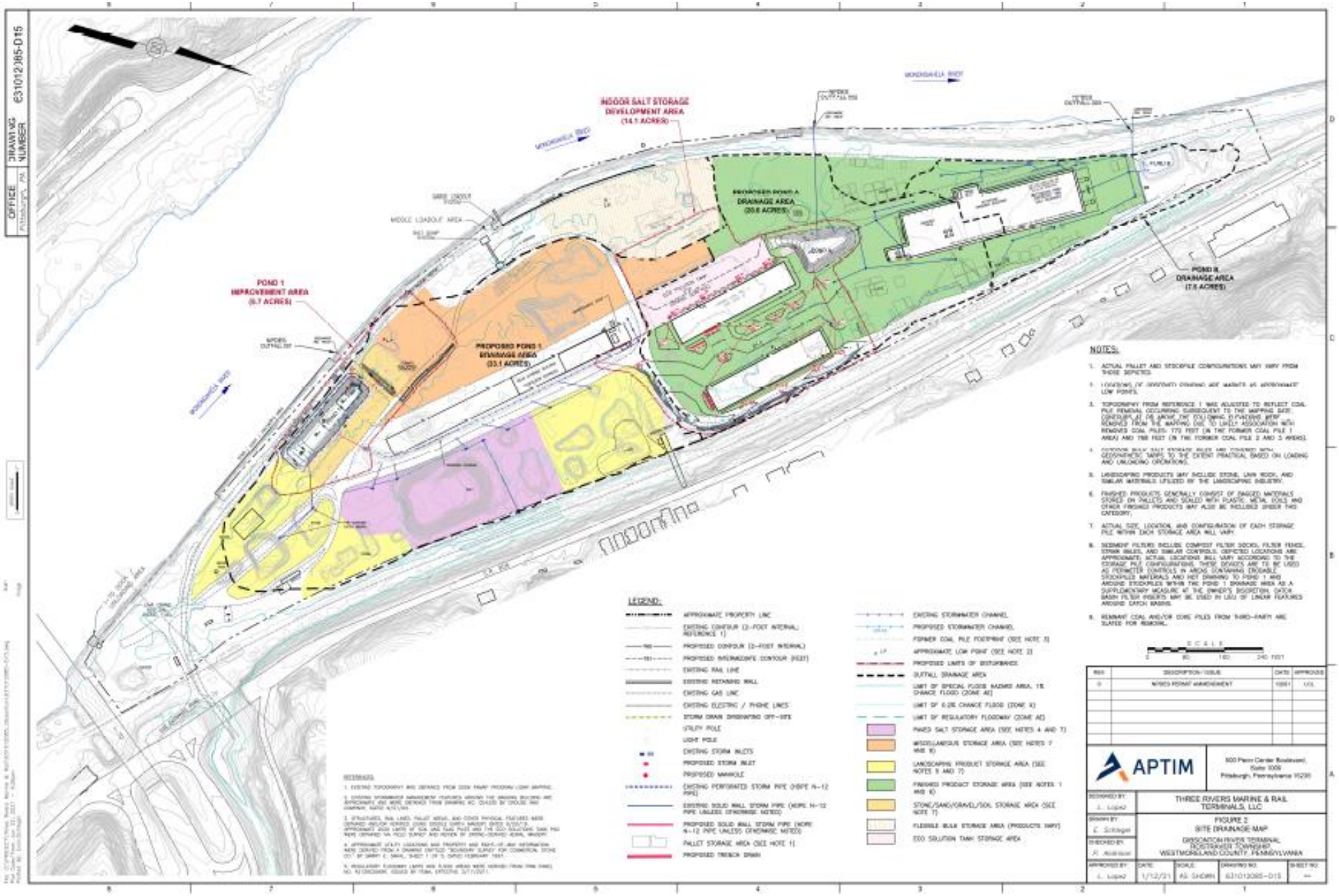
Please note that the 25 Pa. Code § 92a.62 fees listed in Part B of the Draft Permit have been updated to reflect the updated Annual Fee listed in the August 28th, 2021 PA Bulletin. The Annual Fee discussion has been moved to Part A.III.E of the Final Permit.

The Draft Amendment of the NPDES Permit is recommended to Three Rivers Marine & Rail Terminal, LLC. The new NPDES Permit number is PA0255360 A-1.

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.


SITE
PENNSYLVANIA
MONESSEN
POND B
POND A IMPROVEMENT AREA
INDOOR SALT STORAGE DEVELOPMENT AREA LIMITS
East Charleroi
Charleroi
OUTFALL 003
LAT: 40° 8' 13" N
LONG: 79° 53' 19" W
OUTFALL 002
LAT: 40° 8' 2" N
LONG: 79° 53' 14" W
SITE
Gibsonton
North Belle Vernon
Twilight
OUTFALL 001
LAT: 40° 7' 47" N
LONG: 79° 52' 57" W
POND 1 IMPROVEMENT AREA
Belle Vernon
Speers
WESTMORELAND CO
FAYETTE CO
MONONGAHELA RIVER
SCALE
0 2,000 4,000 FEET
NOTE:
NEAREST KNOWN PUBLIC WATER INTAKE IS APPROXIMATELY 16.9 MILES DOWNSTREAM IN ELRAMA, PA.
REFERENCE:
U.S.G.S. TOPOGRAPHIC MAP, 7.5 MINUTE SERIES. QUADRANGLES: MONONGAHELA, PA DATED 2016; DONORA, PA DATED 2016; CALIFORNIA, PA DATED 2016; AND FAYETTE, PA DATED 2016.
APTIM
THREE RIVERS MARINE & RAIL TERMINALS, LLC
GIBSONTON RIVER TERMINAL
ROSTRAVER TOWNSHIP, WESTMORELAND COUNTY
FIGURE 1
SITE LOCATION MAP


INDOOR SALT STORAGE DEVELOPMENT AREA (14.1 ACRES)
REVISED POND A DRAINAGE AREA (20.6 ACRES)
POND B DRAINAGE AREA (7.5 ACRES)
POND 1 IMPROVEMENT AREA (5.7 ACRES)
PROPOSED POND 1 DRAINAGE AREA (33.1 ACRES)
MONONGAHELA RIVER
NOTES:
LEGEND:
APTIM
THREE RIVERS MARINE & RAIL TERMINALS, LLC
FIGURE 2
SITE DRAINAGE MAP
DISSOCIATION RIVER TERMINAL
ROSTRAVER TOWNSHIP
WESTMORELAND COUNTY, PENNSYLVANIA