CWA COMPLIANCE EVALUATION INSPECTION REPORT
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION 5

Purpose:
Compliance Evaluation Inspection

Facility:
PVS Technologies, Inc.
1111 North State Road 149
Burns Harbor, Indiana 46304
41.59604005327116, -87.11672560824027

NPDES Permit Number: INRM02220

Date of Site Inspection:
03/30/2022

EPA Representatives:
Benjamin Atkinson, Inspector 312-353-8243
atkinson.ben@epa.gov

Joan Rogers, Environmental Scientist 312-886-2785
rogers.joan@epa.gov

State Representatives:
Drew Gamble – Indiana Department of Environmental Management

Facility Representatives:
Erhan Duvarci, Plant Manager 219-763-1199

Tim Klein, EHSS Manager

Shane Brunson, Director of Operations

Report Prepared by: Benjamin D. Atkinson, Inspector

Inspector Signature: Atkinson, Benjamin Digitally signed by Atkinson, Benjamin Date: 2022.06.03 15:27:40 -05'00'

Approver Name and Title: Ryan J. Bahr, Section 2 Supervisor
Water Enforcement and Compliance Assurance Branch

Approver Signature and Date: Bahr, Ryan Digitally signed by Bahr, Ryan Date: 2022.06.03 16:20:27 -05'00'

1. BACKGROUND

The purpose of this report is to describe, evaluate and document PVS Technologies, Inc's compliance with the Clean Water Act (CWA) at its 1111 State Route 149, Burns Harbor, Indiana facility (the facility) on 03/18/2022. This inspection was performed pursuant to Section 308(a) of the Federal Water Pollution Control Act, as amended.

The facility sits on an approximately 16-acre parcel with approximately 10 acres used for industrial processes and storage and the remainder including an office building, access road, agriculture, and stormwater management. The facility receives spent pickle liquor (ferrous chloride) and processes it into hydrochloric acid and iron oxide. The spent pickle liquor and hydrochloric acid are stored in a tank farm with secondary containment that can be pumped back into tanks for processing. The iron oxide is loaded into totes and stored either in the warehouse or temporarily outside. The facility operates under SIC code 2819 - Industrial Inorganic Chemicals, Not Elsewhere Classified.

The facility utilizes a series of ditches around the facility to collect stormwater and convey it to a stormwater storage pond. Valves are used to control the flow of stormwater from one ditch to the next and to control the flow of water from the stormwater pond to the outfall on Gustafson Ditch. The discharge of stormwater from the outfall to Gustafson Ditch is authorized under permit INRM02220. Gustafson Ditch is listed as impaired for E. Coli and Biological Integrity. The facility received their Notice of Sufficiency from the Indiana Department of Environmental Management (IDEM) on August 4, 2017. The permit had an effective day of June 9, 2017, and an expiration date of June 8, 2022.

The facility also has an air permit #M127-43056-00039 and is a Large Quantity Hazardous Waste Generator.

2. SITE INSPECTION

Table 1: Site Entry and Opening Conference

Arrival Time:	9:36 AM	
Temperature:	54° F	
Precipitation:	Light rain the night before the inspection rain starting at 11:00 AM on the day of the inspection.	
Presented credentials?	Yes	
Credentials presented to whom and at what time?	Erhan Duvarci at approximately 9:45 AM	
Was an opening conference held? With whom?	Yes, with Erhan Duvarci, Tim Klein, and Shane Brunson.	
If photographs or documents were taken, does the facility consider any to be Confidential Business Information (CBI)?		No
EPA vehicle parked in approved location?	Yes	

2.1 Opening Conference and Interview

Ben Atkinson and Joan Rogers of the EPA (the inspectors) along with Drew Gamble of the Indiana Department of Environmental Management arrived at the facility at approximately 9:36 AM. The inspectors parked and walked to the Office Building. In the Office Building, the inspectors were greeted and led to an office to conduct the opening conference and interview portion of the Inspection. The inspectors presented their credentials to Tim Klein, Erhan Duvarci, and Shane Brunson. Mr. Brunson was unable to stay for the interview portion of the inspection but stated that he would like to be part of the closing conference. The inspectors explained the purpose of the inspection, the format of the inspection, the facility's right to claim certain information as Confidential Business Information, and what to expect following the Inspection.

The Inspectors asked if the facility had an NPDES permit for wastewater or stormwater. The facility personnel stated that all process wastewater is directed by sump pumps back to the system and used in process. The facility personnel stated they had industrial stormwater coverage under Indiana's Rule 6 general permit #INRM02220. They stated that the facility collected stormwater in a series of ditches surrounding the facility. They stated that the ditches were connected by a series of valves which allowed them to control the flow of stormwater from one ditch to the next, from the ditches to the stormwater pond, and from the stormwater pond to the outfall on Gustafson Ditch. The facility personnel also stated that the facility had a connection for sanitary waste to the local sewer.

The inspectors asked for a brief explanation of what occurred at the facility. The facility personnel stated that they receive spent pickle liquor from steel mills which is stored in the tank farm. The spent pickle liquor is then recycled to 18% hydrochloric acid and iron oxide. The hydrochloric acid is sold back to the steel mills and the iron oxide is sold to a variety of end users.

The facility personnel stated that each ditch was tested for pH prior to release to the subsequent ditch and that the pond was tested for pH prior to discharging to Gustafson Ditch. The facility personnel stated that if the ditches had a pH less than 5, the stormwater would not be allowed to flow to the pond, but rather would be pumped to the tank farm for treatment. They stated that this had not occurred in four years.

The inspectors asked if there was a SWPPP onsite. The facility provided a SWPPP that had been updated November 2021 for review. The inspectors requested the last 3 years of quarterly and annual inspection reports.

While reviewing the SWPPP, the inspectors noted that in 2021 annual sampling there were metals found in the discharge. Additionally, the inspectors noted that the current permit coverage expires on June 8, 2022 and that the facility is required to re-apply for

coverage 90 days prior to expiration meaning that the application should have been submitted on March 08, 2022 and the facility was currently past due.

The inspectors requested a copy of the training syllabus for and a map of the location of the stormwater valves.

The inspectors left for lunch at 11:30 AM and returned at 12:20 PM. The inspectors then began the walkthrough of the facility.

2.2 Facility Walkthrough

The inspectors began the walkthrough at the intersection of the east office road and the main road. The inspectors observed the ditch along the south side of the main road. The inspectors observed a culvert under the west office road and a ditch between the west office road and the east office road (photos 1-3). The inspectors walked east and observed the culvert under the east office road as well as the valve that controlled flow through the culvert (photos 4-7).

The inspectors continued walking east along the main road and observed the ditch on the south side of the main road south of the process area. The inspectors observed a red color in the ditch (photos 8-10).

The inspectors then observed a ditch on the north side of the main road east of the center access road. The inspectors observed that there was a strong red color in this ditch as well as a sheen on the water on the west side (photos 11-13). The facility personnel stated that this ditch did not connect to rest of the stormwater ditch system and did not have an outlet. The inspectors walked west along the ditch and followed a series of pipes north to a paved area in the center of the process area (photos 14-17). The inspectors observed the flow of a bright red liquid from an area around an exhaust tower. It appeared that there was a containment curb around the exhaust tower and blower fan, but that there was a gap through which the red liquid was flowing (photos 18 and 20). The inspectors walked back south along the center access road and observed several fuel cans stored outside (photo 21).

The inspectors continued east along the main road and observed red coloring in the ditch on the south side of the main road (photo 22). The inspectors then observed the east end of the ditch on the north side of the main road (photo 23).

The inspectors followed the main road north to where it intersected with the warehouse road. The inspectors observed a culvert pipe and valve on the north side of the warehouse road (photos 25 and 26). The inspectors also observed the south end of the culvert on the south side of the warehouse road (photos 26 and 27). The facility personnel stated that the ditch on the north side of the warehouse road was connected by a pipe to the ditch on the north side of the process area.

The inspectors walked east along the warehouse road and then east to the Gustafson Ditch (photos 28 and 29). The inspectors then walked west back toward the east side of the warehouse. The inspectors observed that there was a depression in the berm along the east side of the warehouse. This depression continued east down to Gustafson Ditch. It appeared that the depression could serve as a flow path for stormwater from the roof of the warehouse (photos 30 and 31).

The inspectors continued walking north along Gustafson Ditch and observed the facility's outfall to Gustafson Ditch. The inspectors observed that there was a slight discharge occuring (photos 32-34). No red color was observed in the discharge or in Gustafson ditch. The inspectors then walked west. The inspectors observed a pipe protruding from the berm along the north side of the facility's property conveying stormwater from property to the north of the facility to Gustafson Ditch (photo 35).

The inspectors walked west and observed the west end of the outfall pipe as well as the ditch that conveys stormwater from the stormwater pond to the outfall pipe (phots 37 and 38). No red color was observed in the ditch.

The inspectors then walked west and observed the east end of the stormwater ditch on the north side of the warehouse (photo 39). The inspectors continued west and observed a paved area on the north side of the warehouse that was being used to store iron oxide toes, used chemical totes, and miscellaneous equipment. The paved area was coated with red colored stormwater (photos 40-42). The inspectors also observed the stormwater ditch on the northside of the paved area. This ditch contained bright red stormwater (photo 43 and 45).

The inspectors then walked south and observed the tank farm and secondary containment (phot 44). The inspectors then walked northwest and observed the west side end of the northern stormwater ditch and the culvert under the gravel access road (photos 45 and 46). The inspectors then walked north and observed the west end of the ditch that conveys stormwater from the stormwater pond to the outfall (photo 47). The inspectors observed that the ditch passed through a culvert under the gravel access road (photo 48). The inspectors walked west and observed the valve at the stormwater water pond that releases stormwater to the outfall at Gustafson Ditch (photos 49 and 50).

The inspectors then walked around the north side of the stormwater pond, around the west side to the south side. On the south side of the stormwater pond, the inspectors observed the pipe and valve that convey stormwater from the ditch to the south into the stormwater pond (photos 51 and 52).

The Inspectors then walked north along the east side of the stormwater pond and returned to the north stormwater ditch so that the facility personnel could point out where the ditch on the south side of the warehouse connected (photo 53). The facility personnel stated that the pipe was obscured in the water vegetation.

The inspectors then walked southwest down the west access road and observed the ditch along the west side of the ditch that conveys stormwater to the south side of the stormwater pond.

The inspectors then walked back to the office and held the closing conference.

2.3 Closing Conference and Post-Inspection

Following the walkthrough of the facility, the inspectors held a closing conference in the office building. The Inspectors stated that they had three areas of concern:

1. For some of the ditches, the valves that controlled flow into or out of the ditch were obscured by vegetation. In an extreme precipitation event, it may be difficult to locate the valve to prevent an overflow.
2. The inspectors were concerned about whether the metals content shown in the 2021 annual report met water quality limits.
3. The status of the facility's past due permit re-application.

The inspectors requested that the facility provide the following documents electronically:

- a copy of the SWPPP
- copies of annual and quarterly inspections
- copy of the syllabus for training used to meet the requirements of Rule 6
- 2017 Notice of Intent
- A map of the control valve locations for stormwater

Following the inspection, on 04/13/2022, The facility representatives submitted to EPA the following documents.

- Storm Water Control Valve Map
- 2017 NOI
- 2019 Annual Report
- 2018 – 2022 Quarterly Inspection
- 2020 Name Change NOI
- 2022 Renewal NOI
- 2022 Renewal NOI Public Notice
- 2022 Annual Inspection
- 2022 Annual Report
- Facility SWPPP updated April 2022
- Stormwater training syllabus
- Stormwater training attendance Record from 4/5/2022 – 4/7/2022

Following a review of the provided documents, EPA has identified the following areas of concern:

4. The maps provided in the SWPPP do not clearly denote "all on-site stormwater drainage and discharge conveyances"
5. The maps provided in the SWPPP do not show an outline of the drainage area for each stormwater outfall
6. The maps provided in the SWPPP do not show an outline of impervious surfaces, which includes pavement and buildings, and an estimate of the impervious and pervious surface square footage for each drainage area placed in a map legend.
7. The maps provided in the SWPPP do not show all existing structural control measures to reduce pollutants in stormwater runoff.
8. The maps provided in the SWPPP do not show all existing and historical underground or aboveground storage tank locations.
9. The maps provided in the SWPPP do not show all loading and unloading areas for solid and liquid bulk materials
10. The maps provided in the SWPPP do not show all existing and historical outdoor storage areas for raw materials, intermediary products, final products, and waste materials.
11. The non-stormwater discharge certification is unsigned.

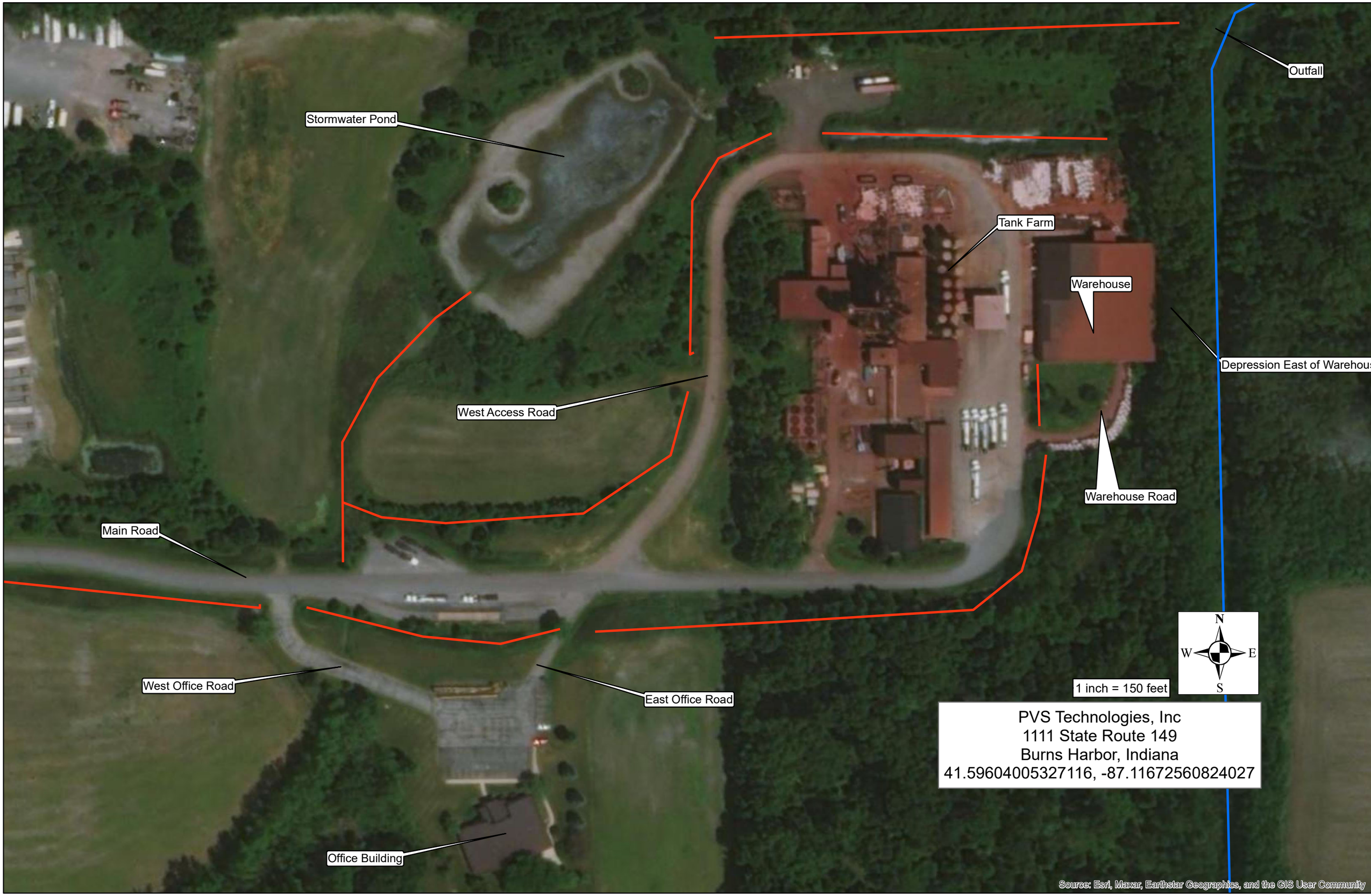
Additionally, while writing this inspection report, EPA identified the following areas of concern:

12. The depression in the berm on the east side of the warehouse has the potential to convey stormwater from the site to Gustafson Ditch.
13. The liquid stream coming from the exhaust stack seen in photos 18 and 20.
14. The uncovered storage totes located north of the warehouse.
15. Overall house-keeping that results in the widespread iron oxide coverage.

3. LIST OF ATTACHMENTS

A) Aerial photo with selected observations from inspection identified
B) Photo Log
C) Facility post-inspection submittals

Attachment A


Stormwater Pond
Outfall
Tank Farm
Warehouse
Depression East of Warehous
West Access Road
Warehouse Road
Main Road
West Office Road
East Office Road
Office Building
N
W
E
S
1 inch = 150 feet
PVS Technologies, Inc
1111 State Route 149
Burns Harbor, Indiana
41.59604005327116, -87.11672560824027
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Attachment B

PVS Technologies, Inc.
EPA Inspection March 30th, 2022
All photos taken by Benjamin D. Atkinson, Enforcement Officer, U.S. EPA
Camera: RICOH WG-4 GPS

1: RIMG0001
Description: Looking west along the south side of the main road.
Location: West of the west road to the office building.
Camera Direction: West
Date/Time: March 30th, 2022 12:36 PM

2: RIMG0002
Description: Looking down at the culvert under the west road to the office building
Location: West of the west road to the office building.
Camera Direction: Down
Date/Time: March 30th, 2022 12:36 PM

3: RIMG0003
Description: Looking east on the east side of the the west road to the office building.
Location: The west road to the office building.
Camera Direction: East
Date/Time: March 30th, 2022 12:37 PM

4: RIMG0004
Description: Looking east at the valve and culvert under the east office road.
Location: West side of the east office road, south of the main road.
Camera Direction: East
Date/Time: March 30th, 2022 12:39 PM

5: RIMG0005
Description: Looking west along the ditch between the west office road and east office road. Note that the wooden post (red arrow) is the same wooden post seen in Photo 4.
Location: West side of the east office road, south of the main road.
Camera Direction: West
Date/Time: March 30th, 2022 12:39 PM

6: RIMG0006
Description: Looking east from east office road.
Location: The intersection of the east office road and the main road.
Camera Direction: East
Date/Time: March 30th, 2022 12:40 PM

7: RIMG0007
Description: East side of the culvert under the east office road.
Location: East side of the east office road.
Camera Direction: Down
Date/Time: March 30th, 2022 12:42 PM

8: RIMG0008
Description: Red colored stormwater in the ditch on the south side of the main road south of the process area.
Location: South of the main road, south of the process area.
Camera Direction: West Date/Time: March 30th, 2022 12:44 PM

9: RIMG0009
Description: A close up photo of the red colored stormwater in the ditch on the south side of the main road south of the process area.
Location: South of the main road, south of the process area.
Camera Direction: Down Date/Time: March 30th, 2022 12:44 PM

10: RIMG0010
Description: Looking east along the ditch with red colored stormwater on the south side of the main road south of the process area.
Location: South of the main road, south of the process area.
Camera Direction: East Date/Time: March 30th, 2022 12:44 PM

11: RIMG0011
Description: Looking west along the ditch on the north side of the main road south of the process area. Note that the stormwater is a dark red color. The facility personell stated that this ditch did not have an outlet.
Location: North of the main road, east of the center access road, south of the process area.
Camera Direction: West Date/Time: March 30th, 2022 12:45 PM

12: RIMG0012
Description: Looking east along the ditch on the north side of the main road south of the process area.
Location: The southeast corner of the facility. North of the main road, south of the process area.
Camera Direction: East Date/Time: March 30th, 2022 12:45 PM

13: RIMG0013
Description: Looking northwest at the pipe conveying the red liquid to the ditch north of the main road and south of the processing area. Note that, in addition to the red color, there is a sheen visible on the surface of the liquid.
Location: North of the main road, south of the process area.
Camera Direction: Northwest Date/Time: March 30th, 2022 12:46 PM

14: RIMG0014
Description: Looking northwest along the flow path that leads to the ditch in Photos 11-13.
Location: The paved area in the southwest portion of the process area.
Camera Direction: Northeast Date/Time: March 30th, 2022 12:49 PM

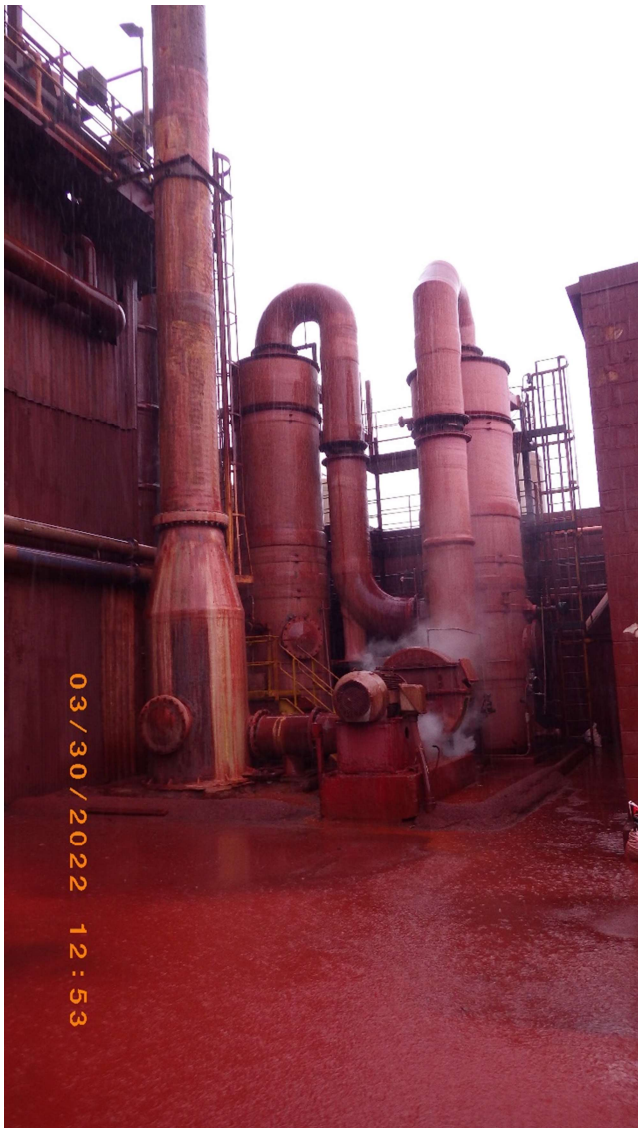
15: RIMG0015
Description: Looking down along the flow path that leads to the ditch in Photos 11-13. The pipe from Photo 14 flows into the pipe shown in Photo 15.
Location: The paved area in the southwest portion of the process area.
Camera Direction: Southeast Date/Time: March 30th, 2022 12:49 PM

16: RIMG0016
Description: Flow path into the north end of the pipe seen in photo 14.
Location: The paved area in the southwest portion of the process area.
Camera Direction: Northeast Date/Time: March 30th, 2022 12:50 PM

17: RIMG0017
Description: Looking down into the north end of the pipe seen in photo 14.
Location: The paved area in the southwest portion of the process area.
Camera Direction: Southeast Date/Time: March 30th, 2022 12:50 PM

18: RIMG0018
Description: Looking east toward an exhaust tower. Note that it appears that there is a liquid leaking out of the exhaust tower (blue arrow) and that there was a containment curb that has been breached (green arrow).
Location: Central part of the process area.
Camera Direction: East Date/Time: March 30th, 2022 12:52 AM

19: RIMG0019
Description: Looking north bewtween two building at the north end of the paved area of the process area.
Location: The north end of the paved area of the process area.
Camera Direction: North Date/Time: March 30th, 2022 12:52 PM



20: RIMG0020
Description: Looking northeast at the ehxaust tower seen in Photo 18.
Location: Central part of the process area.
Camera Direction: Northeast Date/Time: March 30th, 2022 12:53 PM

21: RIMG0021
Description: Looking east at a set of fuel cans stored outside.
Location: South side of the process area.
Camera Direction: East Date/Time: March 30th, 2022 12:55 PM

22: RIMG0022
Description:Looking southwest at a red plume in the ditch on the south side of the main road south of the process area. This is the same ditch seen in Photos 8, 9, and 10.
Location: South of the main road, south of the process area.
Camera Direction: Southwest Date/Time: March 30th, 2022 12:57 PM

23: RIMG0023
Description: Looking northwest at the west end of the ditch seen in Photos 11, 12, and 13.
Location: Southeast corner of the main road at the southeast corner of the process area.
Camera Direction: Northwest Date/Time: March 30th, 2022 1:00 PM

24: RIMG0024
Description: Truck loading area on the east side of the process area.
Location: East side of the facility.
Camera Direction: West Date/Time: March 30th, 2022 1:02 PM

25: RIMG0025
Description: Ditch, pipe, and valve at the northeast corner of the intersection of the mainroad on the east side of the facility and the road to the warehouse.
Location: Southeast side of the facility, north of the warehouse road.
Camera Direction: Southeast Date/Time: March 30th, 2022 1:02 PM

26: RIMG0026
Description: Looking north across the warehouse road. Note the south end of the pipe with valve seen in Photo 25 (red arrow).
Location: South side of the intersection of the main road and the warehouse road on the east side of the facility.
Camera Direction: North Date/Time: March 30th, 2022 1:03 PM

27: RIMG0027
Description: Looking south at the the south end of the pipe shown in Photo 26.
Location: South side of the intersection of the main road and the warehouse road on the east side of the facility.
Camera Direction: South Date/Time: March 30th, 2022 1:03 PM

28: RIMG0028
Description: Looking upstream along Gustafson Ditch east of the Facility. This is downstream of the stormwater discharge location.
Location: East of the warehouse
Camera Direction: Northeast Date/Time: March 30th, 2022 1:07 PM

29: RIMG0029
Description: Looking downstream along Gustafson Ditch east of the Facility. This is downstream of the stormwater discharge location.
Location: East of the warehouse
Camera Direction: Southeast Date/Time: March 30th, 2022 1:07 PM

30: RIMG0030
Description: Depression in berm along east side of facility east of the warehouse.
Location: East of the warehouse.
Camera Direction: Southwest Date/Time: March 30th, 2022 1:12 PM

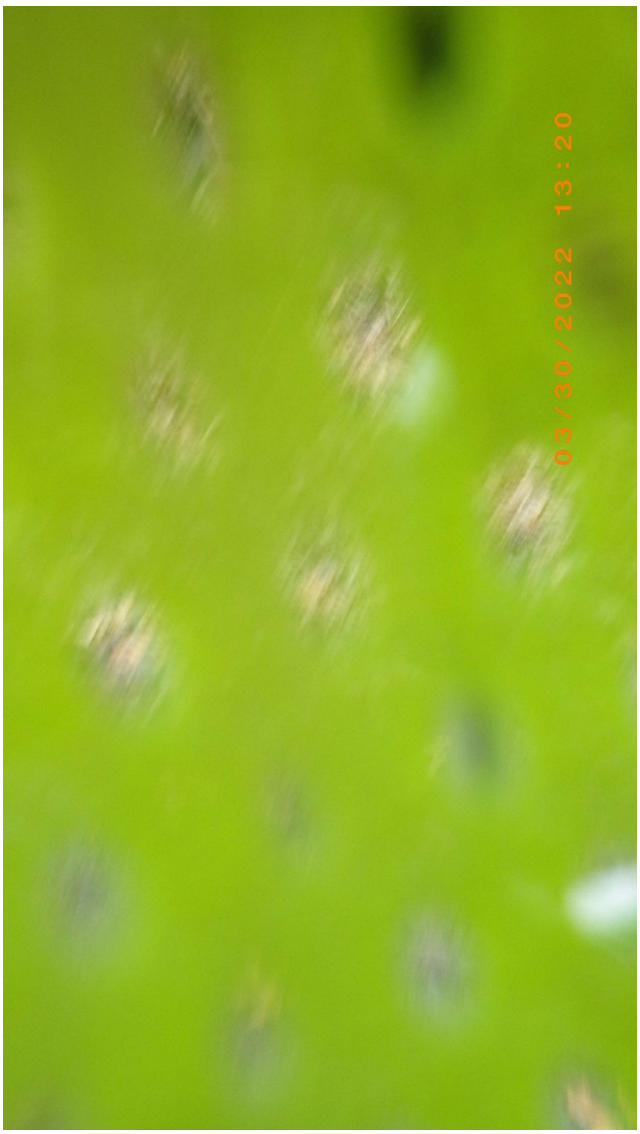
31: RIMG0031
Description: Depression and potential pathway from the depression in berm along east side of facility east of the warehouse to Gustafson Ditch.
Location: East of the warehouse.
Camera Direction: Southeast Date/Time: March 30th, 2022 1:12 PM

32: RIMG0032
Description: Stormwater outfall from the facility to Gustafson Ditch.
Location: Northeast corner of the facility.
Camera Direction: East Date/Time: March 30th, 2022 1:17 PM

33: RIMG0033
Description: Stormwater outfall from the facility to Gustafson Ditch.
Location: Northeast corner of the facility.
Camera Direction: South Date/Time: March 30th, 2022 1:19 PM

34: RIMG0034
Description: Close up of stormwater flowing from the stormwater outfall from the facility to Gustafson Ditch.
Location: Northeast corner of the facility.
Camera Direction: South Date/Time: March 30th, 2022 1:19 PM

35: RIMG0035
Description: Pipe from the adjacent property conveying stormwater to Gustafson Ditch.
Location: Northeast corner of the facility.
Camera Direction: Northwest Date/Time: March 30th, 2022 1:20 PM



36: RIMG0036
Description: Mistake Photo
Location:
Camera Direction:
Date/Time: March 30th, 2022

37: RIMG0037
Description: West end of the facility's outfall to Gustafson Ditch.
Location: Northeast corner of the facility.
Camera Direction: North Date/Time: March 30th, 2022 1:23 PM

38: RIMG0038
Description: Looking northwest along the ditch that conveys stormwater to the stormwater outfall.
Location: Northeast side of the facility.
Camera Direction: Northwest Date/Time: March 30th, 2022 1:23 PM

39: RIMG0039
Description: East side of ditch along north side of process area northeast of the warehouse.
Location: Northeast of the warehouse.
Camera Direction: West Date/Time: March 30th, 20221:27 PM

40: RIMG0040
Description: Paved area north of the warehouse where ferric oxide and used totes are being stored.
Location: North of the warehouse.
Camera Direction: North Date/Time: March 30th, 2022 1:30 PM

41: RIMG0041
Description: Looking east across paved area north of the warehouse.
Location: North of the warehouse.
Camera Direction: East Date/Time: March 30th, 2022 1:30 PM

42: RIMG0042
Description: Used chemical totes and pallets stored on paved area north of the warehouse.
Location: Northeast corner of paved area north of the warehouse.
Camera Direction: Northeast Date/Time: March 30th, 2022 1:31 PM

43: RIMG0043
Description: North side of the paved area. Note ditch along northside of paved area. Facility personnel stated that the the outlet of the pipe located in the ditch at the southwest corner of the warehouse was in this ditch but not visible due to vegetation.
Location: North side of the paved area north of the warehouse.
Camera Direction: North Date/Time: March 30th, 2022 1:31 PM

44: RIMG0044
Description: Secondary containment around tanks holding the spent pickling liquor and regenerated HCL.
Location: Northeast part of the process area.
Camera Direction: South Date/Time: March 30th, 2022 1:35 PM

45: RIMG0045
Description: Looking east along the ditch on the north side of the paved area north of the warehouse.
Location: Northwest of the paved area north of the warehouse.
Camera Direction: East Date/Time: March 30th, 2022 1:38 PM

46: RIMG0046
Description: A ditch on the west side of a gravel access road and west of the Ditch in Photo 45. This ditch is connected to the ditch in Photo 45 by a culvert under the gravel access road.
Location: Northwest of the paved area north of the warehouse.
Camera Direction: West Date/Time: March 30th, 2022 1:39 PM

47: RIMG0047
Description: Looking east along the ditch that carries stormwater from the stormwater pond to the outfall at Gustafson Ditch.
Location: Northwest of the process area.
Camera Direction: East Date/Time: March 30th, 2022 1:41 PM

48: RIMG0048
Description: Looking west along the ditch that carries stormwater from the stormwater pond to the outfall at Gustafson Ditch. This ditch flows through the pipe (red arrow) under the gravel access road to the ditch in Photo 47.
Location: Northwest of the process area.
Camera Direction: East Date/Time: March 30th, 2022 1:41 PM

49: RIMG0049
Description: Control valve for the release of stormwater from the pond to the ditch (Photos 47 and 48) that conveys it to Gustafson Ditch (Photo 32).
Location: Northeast corner of stormwater pond.
Camera Direction: West Date/Time: March 30th, 20221:42 PM

50: RIMG0050
Description: Looking east along the ditch that carries stormwater from the stormwater pond to the outfall at Gustafson Ditch. This ditch flows through the pipe (red arrow) under the gravel access road to the ditch in Photo 47.
Location: Northeast corner of stormwater pond.
Camera Direction: East Date/Time: March 30th, 2022 1:43 PM

51: RIMG0051
Description: Control valve allowing stormwater to enter the stormwater pond on the southwest side.
Location: Southwest side of the stormwater pond.
Camera Direction: Southwest Date/Time: March 30th, 2022 1:48 PM

52: RIMG0052
Description: North end of the pipe with valve seen in Photo 51.
Location: Southwest corner of stormwater pond.
Camera Direction: North Date/Time: March 30th, 2022 1:48 PM

53: RIMG0053
Description: Marker (red arrow) within the ditch north of the paved area north of the warehouse which shows the location of the valve that controls flow from the ditch located at the southwest corner of the warehouse.
Location: North of the paved area north of the warehouse.
Camera Direction: North Date/Time: March 30th, 2022 1:58PM

54: RIMG0054
Description: Ditch along the west side of the west access road that conveys stormwater to the stormwater pond.
Location: Southwest of the process area.
Camera Direction: Northeast Date/Time: March 30th, 2022 2:04 PM

Attachment C

RULE 6 NOTICE OF INTENT (NOI) LETTER

State Form 51286 (R8 / 2-15)
Approved by State Board of Accounts, 2010
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Mail this form to:
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
STORM WATER PROGRAM – IGCN, Room 1255
100 North Senate Avenue
Indianapolis, IN 46204-2251

Web Access: www.idem.IN.gov/4896.htm

NOTE:
- This form must be used to apply for a general NPDES permit pursuant to 327 IAC 15-6.
- **Please type or print in ink.**

For questions regarding this form, required addenda, and permit requirements contact the IDEM Storm Water Permit Coordinator at telephone number (317) 233-1864 or (800) 451-6027, ext. 31864 (within Indiana)

EXCLUSIONS

Permit coverage under 327 IAC 15-6 applies to all entities that:
1. are not required to obtain an individual NPDES permit under 327 IAC 15-2-9(b);
2. meet the general permit rule applicability requirements under 327 IAC 15-2-3;
3. have not received an approved "No Exposure" exclusion for storm water permitting;
4. have a discharge composed entirely of storm water and allowed non-storm water contributions; and
5. operate, maintain, or otherwise have responsibility for an industrial facility meeting the applicability requirements of 327 IAC 15-6-2.

APPLICATION TYPE (check one)

☑ Initial NOI letter
☐ Renewal NOI letter
☐ Amended NOI letter

Was there a change of ownership since the last NOI letter?
☑ Yes ☐ No

PART A: GENERAL INFORMATION FOR FACILITY

1. Name of facility: PVS Steel Services, Inc.
2. Standard Industrial Classification (SIC) Code for the facility (4 digits): 2819
3. Address of facility location: 1111 North State Road 149

City: Burns Harbor | ZIP code: 46304 | County: Porter

4. Longitude and Latitude of the approximate center of the facility to the nearest fifteen (15) seconds

Decimal Longitude: LONGITUDE			Decimal Latitude: LATITUDE		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
87 °	7 '	12 "	41 °	35 '	49 "

5. Name of On-site Facility Contact: Plant Manager
6. Title of On-site Facility Contact: Plant Manager
7. Telephone number of On-site Facility Contact: (219) 763-1199
8. Facsimile numbr of On-site Facility Contact *(if applicable)*: (219) 787-8217
9. E-mail address of On-site Facility Contact *(if applicable)*
10. Has the facility been issued a past or present NPDES permit? *(if yes, provide permit numbers)* ☑ Yes ☐ No

Permit Number(s): IN- RM00710 IN- RM02220 IN- IN-

11. Brief narrative description of the industrial processes performed at the facility *(attach additional sheets if necessary)*

Production of hydrochloric acid and iron oxide.

IDEM OFFICE OF WATER QUALITY 2017 JUN -9 A 10: 19

PART B: GENERAL INFORMATION FOR RESPONSIBLE INDIVIDUAL

12. Name of Responsible Individual	Mohamed Ahmed		
13. Title of Responsible Individual	EHS&S Director		
14. Mailing address of Responsible Individual	10900 Harper Avenue		
City Detroit		State Michigan	ZIP code 48213
15. Telephone number of Responsible Individual	(313) 921-1200 ext. 5175		
16. Facsimile number of Responsible Individual *(if applicable)*			
17. E-mail address of Responsible Individual *(if applicable)*	MAhmed@PVSChemicals.com		

PART C: GENERAL INFORMATION FOR BILLING CONTACT

18. Name of Billing Contact	Accounts Payable		
19. Title of Billing Contact	Accounts Payable		
20. Mailing address of Billing Contact	10900 Harper Avenue		
City Detroit		State Michigan	ZIP code 48213
21. Telephone number of Billing Contact	(313) 921-1200		
22. Facsimile number of Billing Contact *(if applicable)*			
23. E-mail address of Billing Contact *(if applicable)*	pvspayables@pvschemicals.com		

PART D: (CORPORATIONS ONLY) GENERAL INFORMATION FOR REGISTERED AGENT

24. Name of Registered Agent	Jon Taub		
25. Title of Registered Agent	Vice-President & General Counsel		
26. Mailing address of Registered Agent	10900 Harper Avenue		
City Detroit		State Michigan	ZIP code 48213
27. Telephone number of Registered Agent	(313) 921-1200		
28. Facsimile number of Registered Agent *(if applicable)*			
29. E-mail address of Registered Agent *(if applicable)*	JSTaub@PVSChemicals.com		

PART E: GENERAL INFORMATION FOR STORM WATER DISCHARGE(S) FROM FACILITY

30. Identification of the number and location of each outfall where storm water exposed to industrial activity discharges to a water of the state, including a narrative description of the industrial activity associated with the drainage area of each identified outfall

Single point discharge (001) of storm water to county ditch (Gufstason's Ditch). All storm water from Iron Oxide/ Hydrochloric Acid facility drains to a ditch collection system. The ditch collection system funnels the storm water to a retention pond, which drains to Gufstason's Ditch, via a 100 foot long ditch. The facility is approximately 200' x 200'. Production of Iron Oxide/ Hydrochloric Acid is the only industrial activity associated with this location.

31. Identification of any outfalls, listed above in item 30, that are substantially similar (Include reason as to why outfalls are deemed similar)

N/A - Single point discharge.

32. Identification of the outfall(s) to be monitored as representative of all such discharges N/A

33. Identification of receiving water(s) for the storm water discharge outfall(s) identified above in item 30

Storm water runs off to a retention pond which discharges to Gufstanson's Ditch (County owned ditch).

34. Does the facility discharge storm water into a municipal separate storm sewer system (MS4)? (If yes, provide the name of the MS4)
☐ **Yes** ☑ **No**

Name of the MS4 entity N/A

PART F: MATERIALS TO BE SUBMITTED WITH THIS NOI LETTER

► In addition to the information in Parts A, B, C, and D facility representative must provide the following (check when completed)

1) ☑ **Proof of publication in a newspaper of largest circulation in the affected area. The proof of publication Must include "(Facility name, address, address of the location of the discharging facility, and the stream(s) receiving the discharge(s)) is submitting an NOI letter to notify the Indiana Department of Environmental Management of our intent to comply with the requirements under 327 IAC 15-6 to discharge storm water exposed to industrial activities."**

Notices without the proper information will not be sufficient, and IDEM will require that a new notice be place in the newspaper. The actual proof of publication from the newspaper should be submitted. If the proof of publication is not available, a legible photocopy of the article, along with the name of the newspaper and the date(s) that the article was run is also acceptable.

> **Example:** "Xert Industries (with corporate offices at 10 Willow Lane, Indianapolis, Indiana 46206) is submitting an NOI letter for our facility (located at 5 South Wet Street, Indianapolis, Indiana 46206) to notify the Indiana Department of Environmental Management of our intent to comply with the requirements under 327 IAC 15-6 to discharge storm water exposed to industrial activities. Run-off from the facility will discharge to the White River. Questions or comments should be directed to Walter Water at the above mentioned Xert Industries corporate address."

PART G: FEES, CERTIFICATION, AND SIGNATURE

- Upon submission of this NOI letter, the responsible individual or registered agent shall pay a fee in the amount of fifty dollars ($50). Make all checks and money orders payable to "IDEM."
- Pursuant to 327 IAC 15, the fee is **NOT**:
  - Transferable from one (1) facility location to another;
  - Transferable from one (1) person to another;
  - Transferable to any other type of permit issued by IDEM; or
  - Refundable.

Unless requested by the responsible individual or registered agent and approved by IDEM within three (3) days of submittal to IDEM or prior to the NOI letter processing by IDEM, whichever is earlier.

- There is also an annual fee of one hundred dollars ($100), for which you will be billed.
- Pursuant to 327 IAC 15, the NOI letter is **NOT**:
  - Transferable from one (1) facility location to another (a new NOI letter is required for each facility location);
  - Transferable from one (1) facility name to another at the same location (a new NOI letter is required for a name change to the facility location).
- Pursuant to 327 IAC 15, the annual fee requirement is terminated:
  - When a written request for the "no exposure" exclusion from the facility is approved by IDEM;
- When a period of five (5) years passes, from the date of the NOI letter submittal. (Within ninety (90) days from the five (5) year permit term ending, a new, reapplication NOI letter must be submitted.).
- Allow a minimum of four (4) weeks for processing the NOI letter information and receipt of your Notice of Sufficiency.
- Make sure you have completed all appropriate sections of this NOI letter and have included all required addenda. Sign and date the NOI letter and return it to the address shown on page one (1) of this NOI letter. Incomplete or incorrect NOI letters will result in a delay in processing and issuance of your Notice of Sufficiency.
- Unless not applicable, all information requested in this NOI letter is MANDATORY for the administration and processing of your permit pursuant to 327 IAC 15-6. All data received will be regarded as a public record.

► **The persons listed in "Part B: Responsible Individual" must sign the following certification statement:**

"By signing this NOI letter, I hereby certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Type or print Name of Responsible Individual Mohamed Ahmed

Signature of Responsible Individual Mohamed Ahmed **Date** 05/18/2017 *(mm/dd/year)*

PVS Technologies Inc.
(PVS Steel Services, Inc.)

Stormwater Permit
Administrative Amendment

Permit Number: INRM02220

Prepared for:

PVS Steel Services Inc.
1111 N SR 149
Burns Harbor, IN 46304

Prepared by:

11925 East 65th Street
Indianapolis, Indiana 46236

December 22, 2020

Table of Contents

Section 1
Introduction

PVS Steel Services Inc. (PVS) owns and operates a stationary iron oxide and hydrochloric acid regeneration facility located in Porter County at 1111 N SR 149, Burns Harbor, Indiana and is currently covered by the general permit number INRM02220, which will expire on June 8, 2022.

This application is being submitted on behalf of PVS with the intent of changing the company name from PVS Steel Services, Inc. to PVS Technologies, Inc starting January 2, 2021.

If you have any questions regarding this request or need clarification of the information provided herein, please direct communications to Marius Peter. My contact information is provided below.

Best regards,

Marius Peter

M3V, LLC
Marius Peter,
Project Manager
800-318-1050 ext. 104
marius.peter@m3v.com

Section 2
State Forms

RULE 6 NOTICE OF INTENT (NOI) LETTER

State Form 51286 (R8 / 2-15)
Approved by State Board of Accounts, 2010
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Mail this form to:
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
STORM WATER PROGRAM – IGCN, Room 1255
100 North Senate Avenue
Indianapolis, IN 46204-2251

Web Access: www.idem.IN.gov/4896.htm

NOTE:
- This form must be used to apply for a general NPDES permit pursuant to 327 IAC 15-6.
- **Please type or print in ink.**

For questions regarding this form, required addenda, and permit requirements contact the IDEM Storm Water Permit Coordinator at telephone number (317) 233-1864 or (800) 451-6027, ext. 31864 (within Indiana)

EXCLUSIONS

Permit coverage under 327 IAC 15-6 applies to all entities that:
1. are not required to obtain an individual NPDES permit under 327 IAC 15-2-9(b);
2. meet the general permit rule applicability requirements under 327 IAC 15-2-3;
3. have not received an approved "No Exposure" exclusion for storm water permitting;
4. have a discharge composed entirely of storm water and allowed non-storm water contributions; and
5. operate, maintain, or otherwise have responsibility for an industrial facility meeting the applicability requirements of 327 IAC 15-6-2.

APPLICATION TYPE (check one)

☐ Initial NOI letter

☐ Renewal NOI letter

☒ Amended NOI letter

Was there a change of ownership since the last NOI letter?
☒Yes ☐No

PART A: GENERAL INFORMATION FOR FACILITY

1. Name of facility: PVS Technologies, Inc

2. Standard Industrial Classification (SIC) Code for the facility (4 digits): 2819

3. Address of facility location: 1111 North State Road 149

City: Burns Harbor | ZIP code: 46304 | County: Porter

4. Longitude and Latitude of the approximate center of the facility to the nearest fifteen (15) seconds

Decimal Longitude: | Decimal Latitude:

LONGITUDE			LATITUDE		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
87°	7'	12"	41°	35'	49"

5. Name of On-site Facility Contact: Plant Manager

6. Title of On-site Facility Contact: Plant Manager

7. Telephone number of On-site Facility Contact: (219)-763-1199 ext. 1132

8. Facsimile numbr of On-site Facility Contact *(if applicable)*: (219)-787-8217

9. E-mail address of On-site Facility Contact *(if applicable)*

10. Has the facility been issued a past or present NPDES permit? *(if yes, provide permit numbers)* ☒Yes ☐No

Permit Number(s): IN- RM02220 | IN- RM00710 | IN- | IN-

11. Brief narrative description of the industrial processes performed at the facility *(attach additional sheets if necessary)*
Iron oxide and hydrochloric acid regeneration facility

PART B: GENERAL INFORMATION FOR RESPONSIBLE INDIVIDUAL

12. Name of Responsible Individual: Erhan Duvarci		
13. Title of Responsible Individual: Plant Manager		
14. Mailing address of Responsible Individual: 1111 N State Road 149		
City: Burns Harbor	State: IN	ZIP code: 46304
15. Telephone number of Responsible Individual: (219) 763-1199 ext. 1132		
16. Facsimile number of Responsible Individual *(if applicable)*		
17. E-mail address of Responsible Individual *(if applicable)*		

PART C: GENERAL INFORMATION FOR BILLING CONTACT

18. Name of Billing Contact: Accounts Payable		
19. Title of Billing Contact: Accounts Payable		
20. Mailing address of Billing Contact: 10900 Harper Avenue		
City: Detroit	State: MI	ZIP code: 48213
21. Telephone number of Billing Contact: (313)-921-1200		
22. Facsimile number of Billing Contact *(if applicable)*		
23. E-mail address of Billing Contact *(if applicable)*: pvspayables@pvschemicals.com		

PART D: (CORPORATIONS ONLY) GENERAL INFORMATION FOR REGISTERED AGENT

24. Name of Registered Agent: Peter Onyskiw		
25. Title of Registered Agent: Environmental Manager		
26. Mailing address of Registered Agent: 10900 Harper Avenue		
City: Detroit	State: MI	ZIP code: 48213
27. Telephone number of Registered Agent: (313)-921-1200 Ext. 5174		
28. Facsimile number of Registered Agent *(if applicable)*		
29. E-mail address of Registered Agent *(if applicable)*: POnyskiw@pvschemicals.com		

PART E: GENERAL INFORMATION FOR STORM WATER DISCHARGE(S) FROM FACILITY

30. Identification of the number and location of each outfall where storm water exposed to industrial activity discharges to a water of the state, including a narrative description of the industrial activity associated with the drainage area of each identified outfall

Single point discharge (001) of storm water to county ditch (Gufstason's Ditch). All storm water from facility drains to a ditch collection system. The ditch collection system funnels the storm water to a retention pond, which drains to Gufstason's Ditch, via a 100 foot long ditch. The facility is approximately 200' x 200'. Iron oxide and hydrochloric acid regeneration is the only industrial activity associated with this location.

31. Identification of any outfalls, listed above in item 30, that are substantially similar (Include reason as to why outfalls are deemed similar)

N/A - Single Point discharge

32. Identification of the outfall(s) to be monitored as representative of all such discharges: N/A

33. Identification of receiving water(s) for the storm water discharge outfall(s) identified above in item 30

Storm water runs off to a retention pond which discharges to Gufstason's Ditch (County owned ditch).

34. Does the facility discharge storm water into a municipal separate storm sewer system (MS4)? (If yes, provide the name of the MS4)
☐ Yes ☒ No

Name of the MS4 entity: N/A

PART F: MATERIALS TO BE SUBMITTED WITH THIS NOI LETTER

► In addition to the information in Parts A, B, C, and D facility representative must provide the following (check when completed)

1) ☐ Proof of publication in a newspaper of largest circulation in the affected area. The proof of publication **Must** include "(Facility name, address, address of the location of the discharging facility, and the stream(s) receiving the discharge(s)) is submitting an NOI letter to notify the Indiana Department of Environmental Management of our intent to comply with the requirements under 327 IAC 15-6 to discharge storm water exposed to industrial activities."

Notices without the proper information will not be sufficient, and IDEM will require that a new notice be place in the newspaper. The actual proof of publication from the newspaper should be submitted. If the proof of publication is not available, a legible photocopy of the article, along with the name of the newspaper and the date(s) that the article was run is also acceptable.

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  - Transferable from one (1) person to another;
  - Transferable to any other type of permit issued by IDEM; or
  - Refundable.

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- When a period of five (5) years passes, from the date of the NOI letter submittal. (Within ninety (90) days from the five (5) year permit term ending, a new, reapplication NOI letter must be submitted.).
- Allow a minimum of four (4) weeks for processing the NOI letter information and receipt of your Notice of Sufficiency.
- Make sure you have completed all appropriate sections of this NOI letter and have included all required addenda. Sign and date the NOI letter and return it to the address shown on page one (1) of this NOI letter. Incomplete or incorrect NOI letters will result in a delay in processing and issuance of your Notice of Sufficiency.
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► **The persons listed in "Part B: Responsible Individual" must sign the following certification statement:**

"By signing this NOI letter, I hereby certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Type or print Name of Responsible Individual Erhan Duvarci

Signature of Responsible Individual Erhan Duvarci **Date** 12-28-2020 *(mm/dd/year)*

APPENDIX A: SUPPLEMENTARY INSTRUCTIONS

Part A, Item #2: Enter the 4-digit Standard Industrial Classification (SIC) code which identifies the facility's activity. SIC codes can be obtained from the Standard Industrial Classification Manual, 1987, by accessing the Occupational Safety and Health Administration (OSHA) web site at http://www.osha.gov/oshstats/sicser.html, or by contacting the Indiana Department of Workforce Development at 1-317-232-7458.

Part A, Item #4: Enter the longitude and latitude of the approximate center of the facility in degrees/minutes/seconds. Longitude and latitude can be obtained from United States Geological Survey (USGS) quadrangle or topographic maps, by calling 1-888-275-8747, or by accessing a locational web site at http://www.geocode.com and conducting a search based on the facility street address.

Longitude and latitude of the approximate center of the facility must be converted to degrees, minutes, and seconds for proper entry on the NOI letter. To convert decimal longitude and latitude to degrees/minutes/seconds, follow the steps in the following example:

Example: Convert decimal latitude 45.1234567 to degrees, minutes, and seconds

a) The numbers to the left of the decimal point are the degrees: 45.
b) To obtain minutes, multiply the first four numbers to the right of the decimal point by 0.006: 1234 x 0.006 = 7.404.
c) The numbers to the left of the decimal point in the result obtained in (b) are the minutes: 7.
d) To obtain seconds, multiply the remaining three numbers to the right of the decimal from the result obtained in (b) by 0.06: 404 x 0.06 = 24.24. Since the numbers to the right of the decimal point are not used, the result is 24 seconds.
e) The conversion for 45.1234567 = 45 degrees, 7 minutes, and 24 seconds.

Part A, Item #11: Enter a brief narrative description of the industrial processes that occur at the facility. This description should include:

a) raw materials;
b) processes (including general chemical additives) utilized to created intermediary or final products; and
c) products created.

To provide an adequate narrative description, please create a similar text format to the following example:

> **Example:** Lead-acid battery reclamation
> The facility utilizes a battery breaker and secondary lead smelter to create lead ingots. The lead ingots are sold for use in battery production. The broken battery casings, other solid components, and waste acid are disposed of as wastestreams.

Part B: For purposes of this rule, "responsible individual" means:

(A) For a corporation,
  (1) a president, secretary, treasurer, any vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation; or
  (2) the manager of one or more manufacturing, production, or operating facilities employing more than two hundred fifty (250) persons or having gross annual sales or expenditures exceeding twenty-five million dollars ($25,000,000), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
(B) For a partnership or sole proprietorship, a general partner or the proprietor, respectively.
  (1) a general partner or the proprietor, respectively.

Part C: An annual fee of one hundred dollars ($100) will be billed to the facility. Enter billing contact information to ensure the bill is mailed to the appropriate individual or department.

Part D: For purposes of this rule, "registered agent" means an individual who:

(A) is the corporation's agent for service of process, notice, or demand required or permitted by law to be served on the corporation; and
(B) is registered along with a business office with the Indiana Secretary of State's Office.

Part E, Item #30: Enter a narrative description of the number of outfalls, including a given name, location, and a detailed description of industrial activity related to each.

Outfall is defined in 327 IAC 15-6 as a point source discharge from a point source. Point source outfalls include any of the following, but are not limited to, from which pollutants are or may be discharged: Pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate system, vessel, or other floating craft.

Drainage is defined in 327 IAC 15-6 as the flow patterns of storm water run-off.

Part E, Item #31: Clearly state which (if any) outfalls are substantially similar. Include a clear and descriptive statement on why these outfalls are substantially similar.

When a facility has more than one outfall which have substantially similar storm water discharges based on consideration of industrial activity, significant materials, and management, one outfall may be selected to represent the group of similar outfalls provided that this strategy has been clearly stated. All outfalls should be included on the drainage base map and documented within the Storm Water Pollution Prevention Plan (SWPPP).

Part E, Item #32: Enter the given name of each outfall which will be monitored annually to meet your permit requirements.

If the outfall is listed in Item #24, and not listed as being substantially similar in Item #25, then it qualifies as an outfall to be monitored.

Each discharge outfall identified or representative discharge outfall, composed entirely of storm water and allowable nonstorm water run-off, shall be monitored.

Part E, Item #33: Identify the receiving water body name. The receiving water name is the water body, stream, creek, tributary, etc. in which the outfall(s) listed in Item #30 are draining into or are receiving storm water run-off.

Part E, Item #34: Municipal Separate Storm Sewer System (MS4) entities are cities, towns, counties, colleges, universities, correctional facilities, homeowner's associations, conservancy districts, military bases, and hospitals that have responsibility for maintaining or operating a storm water conveyance or system of conveyances.

> **Example:** The City of Indianapolis acts as the principal MS4 entity for storm water run-off control within Marion County (excluding the Cities of Beech Grove, Lawrence, Southport and Speedway). Several additional MS4 entities are regulated under 327 IAC 15-13 (Rule 13).

An MS4 entity listing for those entities regulated under Rule 13 and additional information about the requirements placed on these entities are available from the Rule 13 web page at www.idem.IN.gov/5437.htm.

Part F: Notices without the proper information will not be sufficient, and IDEM will require that a new notice be placed in the newspaper. The actual proof of publication from the newspaper should be submitted. If the proof of publication is not available, a legible photocopy of the article, along with the name of the newspaper and the date(s) that the article was run is also acceptable.

PVS TECHNOLOGIES BURNS HARBOR ANNUAL STORMWATER INSPECTION FORM

Inspector Erhan Duvarci Date/Time 3-30-2022 / 1400

INSPECTION ITEMS	Checked (Y/N)	Maint Needed? (Y/N)	Comments
STORMWATER COLLECTION SYSTEM			
Are ditches free of excess vegetation?	Y	Y	Need to clean out weeds
Are culverts/pipes open?	Y	Y	Buried in weeds/muck
Are ditch valves clear of vegetation and accessible?	Y	Y	Valves hard to find
Are valve locations marked/signed?	Y	Y	Need new valve markers
Are ditches free of trash and debris?	Y	N	Ditches free of trash
Are ditches free of erosion?	Y	N	Ditches in good shape
STORMWATER DETENTION POND			
Is the pond free of oil sheen, trash, and debris?	Y	N	Pond surface clean
Is there evidence of chemical staining in the pond?	Y	N	Pond appearance normal
Is there erosion on the shoreline?	Y	N	shore line intact
Is the discharge area free of animal burrows?	Y	N	No evidence of burrows
Is the discharge valve free of excess vegetation?	Y	Y	Need to trim back weeds
Is the outlet free of muck/vegetation?	Y	N	Outlet open
CHEMICAL STORAGE AREAS			
Is the tank farm containment free from leakes, cracks, and holes?	Y	N	No evidence of leaks
Do process areas drain to the process sump?	Y	N	Process drains ok
Are process drains unobstructed?	Y	N	Process drains ok
Are chemical storage containments free of leaks, cracks, and holes?	Y	Y	Used oil burn has deterioration
Is the fuel tank area free of leaks and spills?	Y	N	No spills
Are containers in good condition?	Y	N	No leaking/dumaged containers
Is accumulated rainwater in containments free from chemical staining, oil, etc.?	Y	N	No sheen
GENERAL SITE AREAS			
Is the truck parking area free of oil, chemicals, trash, and debris?	Y	N	No spills
Are the storm drain manholes free of trash and debris?	Y	Y	ponding on manholes
Is overall site housekeeping good?	Y	N	Housekeeping good

Customer Ad Proof

60096427 M3V, LLC / LEGALS — Order Nbr 92573

Publication	**The Times**

Contact	M3V, LLC / LEGALS	PO Number	
Address 1	11925 E. 65TH STREET	Rate	PP
Address 2		Order Price	74.00
City St Zip	INDIANAPOLIS IN 46236	Amount Paid	0.00
Phone	8003181050	Amount Due	74.00
Fax	3176634775		
Section	Legals	Start/End Dates	04/05/2022 - 04/05/2022
SubSection		Insertions	1
Category	199 Legal - Porter County	Size	17
Ad Key	92573-1	Salesperson(s)	Nicole Muscari
Keywords	NOI Public Notice	Taken By	Amanda Koepp
Notes			

Ad Proof

PUBLIC NOTICE

PVS Technologies, Inc, located at 1111 North State Road 149, in Burns Harbor, IN 46304 is submitting a Notice of Intent letter for our facility to notify the Indiana Department of Environmental Management of our intent to comply with the requirements under 327 IAC 15-6 to discharge storm water exposed to industrial activities. The storm water run-off from the facility will discharge to Gufstason's Ditch. Questions or comments should be directed to Erhan Duvarci at the abovementioned facility address.

4/5 - 92573 HSPAXLP

RULE 6 NOTICE OF INTENT (NOI) LETTER

State Form 51286 (R8 / 2-15)
Approved by State Board of Accounts, 2010
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Mail this form to:
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
STORM WATER PROGRAM – IGCN, Room 1255
100 North Senate Avenue
Indianapolis, IN 46204-2251

Web Access: www.idem.IN.gov/4896.htm

NOTE:
- This form must be used to apply for a general NPDES permit pursuant to 327 IAC 15-6.
- **Please type or print in ink.**

For questions regarding this form, required addenda, and permit requirements contact the IDEM Storm Water Permit Coordinator at telephone number (317) 233-1864 or (800) 451-6027, ext. 31864 (within Indiana)

EXCLUSIONS

Permit coverage under 327 IAC 15-6 applies to all entities that:
1. are not required to obtain an individual NPDES permit under 327 IAC 15-2-9(b);
2. meet the general permit rule applicability requirements under 327 IAC 15-2-3;
3. have not received an approved "No Exposure" exclusion for storm water permitting;
4. have a discharge composed entirely of storm water and allowed non-storm water contributions; and
5. operate, maintain, or otherwise have responsibility for an industrial facility meeting the applicability requirements of 327 IAC 15-6-2.

APPLICATION TYPE (check one)

☐ Initial NOI letter

☑ Renewal NOI letter

☐ Amended NOI letter

Was there a change of ownership since the last NOI letter?
☐Yes ☑No

PART A: GENERAL INFORMATION FOR FACILITY

1. Name of facility: PVS Technologies, Inc.
2. Standard Industrial Classification (SIC) Code for the facility (4 digits): 2819
3. Address of facility location: 1111 North State Rd.

City: Burns Harbor | ZIP code: 46304 | County: Porter

4. Longitude and Latitude of the approximate center of the facility to the nearest fifteen (15) seconds

Decimal Longitude:			Decimal Latitude:		
LONGITUDE			**LATITUDE**		
Degrees	**Minutes**	**Seconds**	**Degrees**	**Minutes**	**Seconds**
87 °	7 '	12 "	41 °	35 '	49 "

5. Name of On-site Facility Contact: Erhan Duvarci
6. Title of On-site Facility Contact: Plant Manager
7. Telephone number of On-site Facility Contact: (219) 763-1199
8. Facsimile numbr of On-site Facility Contact *(if applicable)*
9. E-mail address of On-site Facility Contact *(if applicable)*: eduvarci@pvschemicals.com
10. Has the facility been issued a past or present NPDES permit? *(if yes, provide permit numbers)* ☐Yes ☑No

Permit Number(s): IN- IN- IN- IN-

11. Brief narrative description of the industrial processes performed at the facility *(attach additional sheets if necessary)*

PVS Technologies (Former PVS Steel Services) is an iron oxide and hydrochloric acid manufacturing facility. Spent pickle liquor is sprayed into a roaster, which produces hydrogen chloride and iron oxide. The iron oxide is discharged from the bottom of the spray roaster while the hot gases containing hydrogen chloride are discharged to a series of scrubbers that collect the hydrogen chloride as a hydrochloric acid product. The iron oxide product is conveyed under negative pressure to a storage silo, where it is packaged for shipment. The HCl product is transferred by closed piping to the onsite tank farm for storage prior to shipment.

PART B: GENERAL INFORMATION FOR RESPONSIBLE INDIVIDUAL

12. Name of Responsible Individual	Shane Brunson		
13. Title of Responsible Individual	Director of Manufacturing		
14. Mailing address of Responsible Individual	1111 North State Rd 149		
City Burns Harbor		State IN	ZIP code 46304
15. Telephone number of Responsible Individual	(313) 571-1100		
16. Facsimile number of Responsible Individual *(if applicable)*			
17. E-mail address of Responsible Individual *(if applicable)*	sbrunson@pvschemicals.com		

PART C: GENERAL INFORMATION FOR BILLING CONTACT

18. Name of Billing Contact	Erhan Duvarci		
19. Title of Billing Contact	Plant Manager		
20. Mailing address of Billing Contact	1111 North State Road		
City Burns Harbor		State IN	ZIP code 46304
21. Telephone number of Billing Contact	(219) 763-1199		
22. Facsimile number of Billing Contact *(if applicable)*			
23. E-mail address of Billing Contact *(if applicable)*	eduvarci@pvschemicals.com		

PART D: (CORPORATIONS ONLY) GENERAL INFORMATION FOR REGISTERED AGENT

24. Name of Registered Agent	Jon Taub		
25. Title of Registered Agent	Vice President and General Counsel		
26. Mailing address of Registered Agent	10900 Harper Avenue		
City Detroit		State MI	ZIP code 48213
27. Telephone number of Registered Agent	(313) 921-1200		
28. Facsimile number of Registered Agent *(if applicable)*			
29. E-mail address of Registered Agent *(if applicable)*	jtaub@pvschemicals.com		

PART E: GENERAL INFORMATION FOR STORM WATER DISCHARGE(S) FROM FACILITY

30. Identification of the number and location of each outfall where storm water exposed to industrial activity discharges to a water of the state, including a narrative description of the industrial activity associated with the drainage area of each identified outfall

Single point discharge Outfall 01 to Gustufson ditch (county owned ditch) is located on the north-east side of the property and conveys stormwater from the entire property surface.

Activities that have the potential to contaminate stormwater are hydrochloric acid and iron oxide manufacturing, chemical storage, and truck loading/unloading operations. All stormwater from process areas is conveyed by stormwater collection ditches to a detention pond. The detention pond discharge is controlled with a manual valve. The pond discharges to a ditch that conveys stormwater to Outfall 01.

31. Identification of any outfalls, listed above in item 30, that are substantially similar (Include reason as to why outfalls are deemed similar)

N/A. Single point discharge.

32. Identification of the outfall(s) to be monitored as representative of all such discharges

33. Identification of receiving water(s) for the storm water discharge outfall(s) identified above in item 30

Receiving water is Gustufson Ditch.

34. Does the facility discharge storm water into a municipal separate storm sewer system (MS4)? (If yes, provide the name of the MS4)
☐ Yes ☑ No

Name of the MS4 entity N/A

PART F: MATERIALS TO BE SUBMITTED WITH THIS NOI LETTER

► In addition to the information in Parts A, B, C, and D facility representative must provide the following (check when completed)

1) ☑ Proof of publication in a newspaper of largest circulation in the affected area. The proof of publication **Must** include "(Facility name, address, address of the location of the discharging facility, and the stream(s) receiving the discharge(s)) is submitting an NOI letter to notify the Indiana Department of Environmental Management of our intent to comply with the requirements under 327 IAC 15-6 to discharge storm water exposed to industrial activities."

Notices without the proper information will not be sufficient, and IDEM will require that a new notice be place in the newspaper. The actual proof of publication from the newspaper should be submitted. If the proof of publication is not available, a legible photocopy of the article, along with the name of the newspaper and the date(s) that the article was run is also acceptable.

Example: "Xert Industries (with corporate offices at 10 Willow Lane, Indianapolis, Indiana 46206) is submitting an NOI letter for our facility (located at 5 South Wet Street, Indianapolis, Indiana 46206) to notify the Indiana Department of Environmental Management of our intent to comply with the requirements under 327 IAC 15-6 to discharge storm water exposed to industrial activities. Run-off from the facility will discharge to the White River. Questions or comments should be directed to Walter Water at the above mentioned Xert Industries corporate address."

PART G: FEES, CERTIFICATION, AND SIGNATURE

- Upon submission of this NOI letter, the responsible individual or registered agent shall pay a fee in the amount of fifty dollars ($50). Make all checks and money orders payable to "IDEM."
- Pursuant to 327 IAC 15, the fee is **NOT**:
  - Transferable from one (1) facility location to another;
  - Transferable from one (1) person to another;
  - Transferable to any other type of permit issued by IDEM; or
  - Refundable.

Unless requested by the responsible individual or registered agent and approved by IDEM within three (3) days of submittal to IDEM or prior to the NOI letter processing by IDEM, whichever is earlier.

- There is also an annual fee of one hundred dollars ($100), for which you will be billed.
- Pursuant to 327 IAC 15, the NOI letter is **NOT**:
  - Transferable from one (1) facility location to another (a new NOI letter is required for each facility location);
  - Transferable from one (1) facility name to another at the same location (a new NOI letter is required for a name change to the facility location).
- Pursuant to 327 IAC 15, the annual fee requirement is terminated:
  - When a written request for the "no exposure" exclusion from the facility is approved by IDEM;
- When a period of five (5) years passes, from the date of the NOI letter submittal. (Within ninety (90) days from the five (5) year permit term ending, a new, reapplication NOI letter must be submitted.).
- Allow a minimum of four (4) weeks for processing the NOI letter information and receipt of your Notice of Sufficiency.
- Make sure you have completed all appropriate sections of this NOI letter and have included all required addenda. Sign and date the NOI letter and return it to the address shown on page one (1) of this NOI letter. Incomplete or incorrect NOI letters will result in a delay in processing and issuance of your Notice of Sufficiency.
- Unless not applicable, all information requested in this NOI letter is MANDATORY for the administration and processing of your permit pursuant to 327 IAC 15-6. All data received will be regarded as a public record.

► **The persons listed in "Part B: Responsible Individual" must sign the following certification statement:**

"By signing this NOI letter, I hereby certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Type or print Name of Responsible Individual Shane Brunson

Signature of Responsible Individual Shane Brunson **Date** 04/05/2022 *(mm/dd/year)*

APPENDIX A: SUPPLEMENTARY INSTRUCTIONS

Part A, Item #2: Enter the 4-digit Standard Industrial Classification (SIC) code which identifies the facility's activity. SIC codes can be obtained from the Standard Industrial Classification Manual, 1987, by accessing the Occupational Safety and Health Administration (OSHA) web site at http://www.osha.gov/oshstats/sicser.html, or by contacting the Indiana Department of Workforce Development at 1-317-232-7458.

Part A, Item #4: Enter the longitude and latitude of the approximate center of the facility in degrees/minutes/seconds. Longitude and latitude can be obtained from United States Geological Survey (USGS) quadrangle or topographic maps, by calling 1-888-275-8747, or by accessing a locational web site at http://www.geocode.com and conducting a search based on the facility street address.

Longitude and latitude of the approximate center of the facility must be converted to degrees, minutes, and seconds for proper entry on the NOI letter. To convert decimal longitude and latitude to degrees/minutes/seconds, follow the steps in the following example:

Example: Convert decimal latitude 45.1234567 to degrees, minutes, and seconds

a) The numbers to the left of the decimal point are the degrees: 45.
b) To obtain minutes, multiply the first four numbers to the right of the decimal point by 0.006: 1234 x 0.006 = 7.404.
c) The numbers to the left of the decimal point in the result obtained in (b) are the minutes: 7.
d) To obtain seconds, multiply the remaining three numbers to the right of the decimal from the result obtained in (b) by 0.06: 404 x 0.06 = 24.24. Since the numbers to the right of the decimal point are not used, the result is 24 seconds.
e) The conversion for 45.1234567 = 45 degrees, 7 minutes, and 24 seconds.

Part A, Item #11: Enter a brief narrative description of the industrial processes that occur at the facility. This description should include:

a) raw materials;
b) processes (including general chemical additives) utilized to created intermediary or final products; and
c) products created.

To provide an adequate narrative description, please create a similar text format to the following example:

Example: Lead-acid battery reclamation
The facility utilizes a battery breaker and secondary lead smelter to create lead ingots. The lead ingots are sold for use in battery production. The broken battery casings, other solid components, and waste acid are disposed of as wastestreams.

Part B: For purposes of this rule, "responsible individual" means:

(A) For a corporation,
  (1) a president, secretary, treasurer, any vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation; or
  (2) the manager of one or more manufacturing, production, or operating facilities employing more than two hundred fifty (250) persons or having gross annual sales or expenditures exceeding twenty-five million dollars ($25,000,000), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
(B) For a partnership or sole proprietorship, a general partner or the proprietor, respectively.
  (1) a general partner or the proprietor, respectively.

Part C: An annual fee of one hundred dollars ($100) will be billed to the facility. Enter billing contact information to ensure the bill is mailed to the appropriate individual or department.

Part D: For purposes of this rule, "registered agent" means an individual who:

(A) is the corporation's agent for service of process, notice, or demand required or permitted by law to be served on the corporation; and
(B) is registered along with a business office with the Indiana Secretary of State's Office.

Part E, Item #30: Enter a narrative description of the number of outfalls, including a given name, location, and a detailed description of industrial activity related to each.

Outfall is defined in 327 IAC 15-6 as a point source discharge from a point source. Point source outfalls include any of the following, but are not limited to, from which pollutants are or may be discharged: Pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate system, vessel, or other floating craft.

Drainage is defined in 327 IAC 15-6 as the flow patterns of storm water run-off.

Part E, Item #31: Clearly state which (if any) outfalls are substantially similar. Include a clear and descriptive statement on why these outfalls are substantially similar.

When a facility has more than one outfall which have substantially similar storm water discharges based on consideration of industrial activity, significant materials, and management, one outfall may be selected to represent the group of similar outfalls provided that this strategy has been clearly stated. All outfalls should be included on the drainage base map and documented within the Storm Water Pollution Prevention Plan (SWPPP).

Part E, Item #32: Enter the given name of each outfall which will be monitored annually to meet your permit requirements.

If the outfall is listed in Item #24, and not listed as being substantially similar in Item #25, then it qualifies as an outfall to be monitored.

Each discharge outfall identified or representative discharge outfall, composed entirely of storm water and allowable nonstorm water run-off, shall be monitored.

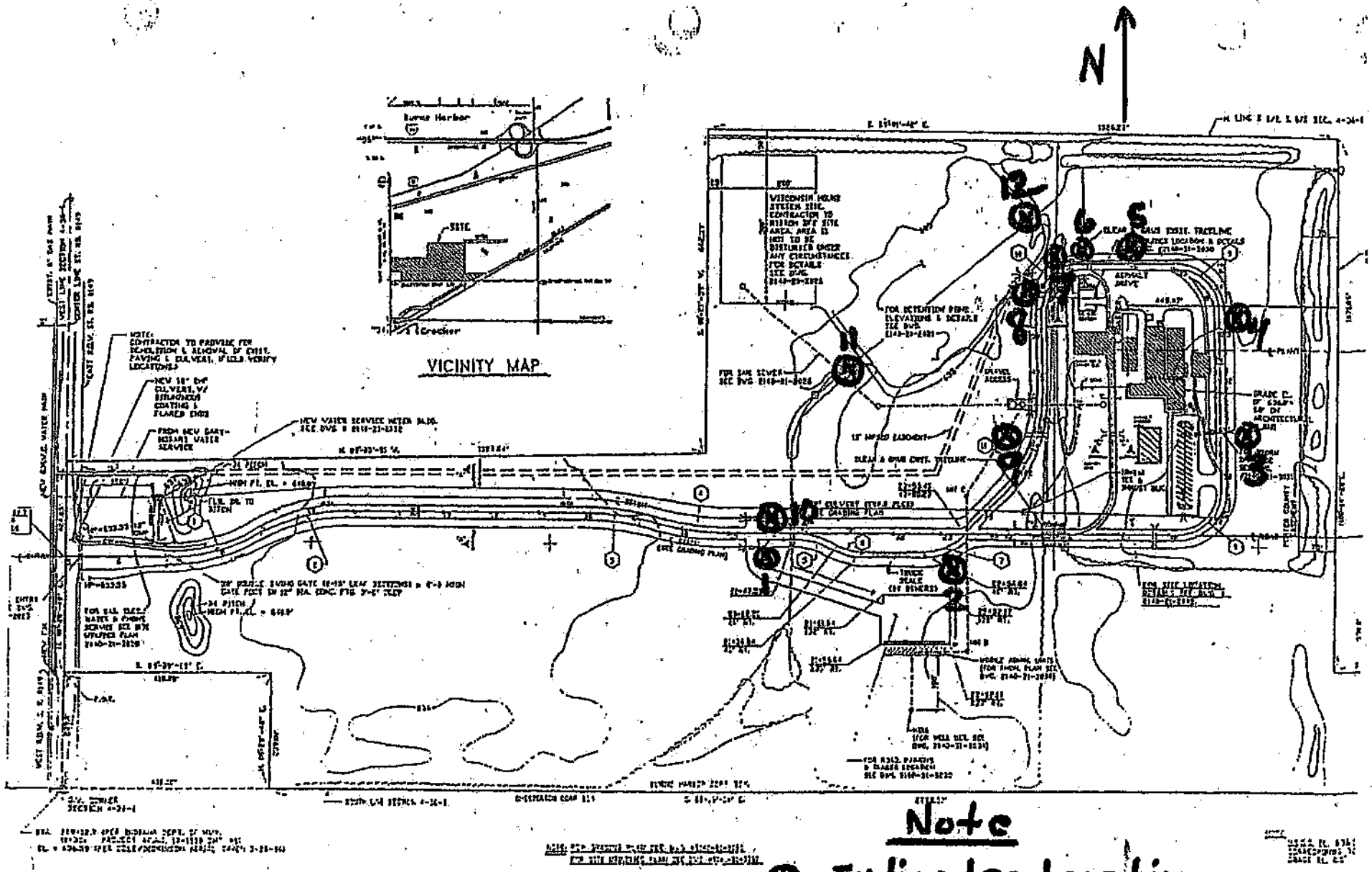
Part E, Item #33: Identify the receiving water body name. The receiving water name is the water body, stream, creek, tributary, etc. in which the outfall(s) listed in Item #30 are draining into or are receiving storm water run-off.

Part E, Item #34: Municipal Separate Storm Sewer System (MS4) entities are cities, towns, counties, colleges, universities, correctional facilities, homeowner's associations, conservancy districts, military bases, and hospitals that have responsibility for maintaining or operating a storm water conveyance or system of conveyances.

> **Example:** The City of Indianapolis acts as the principal MS4 entity for storm water run-off control within Marion County (excluding the Cities of Beech Grove, Lawrence, Southport and Speedway). Several additional MS4 entities are regulated under 327 IAC 15-13 (Rule 13).

An MS4 entity listing for those entities regulated under Rule 13 and additional information about the requirements placed on these entities are available from the Rule 13 web page at www.idem.IN.gov/5437.htm.

Part F: Notices without the proper information will not be sufficient, and IDEM will require that a new notice be placed in the newspaper. The actual proof of publication from the newspaper should be submitted. If the proof of publication is not available, a legible photocopy of the article, along with the name of the newspaper and the date(s) that the article was run is also acceptable.



No. 9 Locations of Culvert Valves

STORM WATER POLLUTION PREVENTION PLAN

Prepared For:

PVS Technologies
Burns Harbor Plant

1111 N. State Road 149
Burns Harbor, IN 46304

Prepared by:

M3V, LLC
11925 E. 65th Street
Indianapolis, Indiana 46236

April 2022

TABLE OF CONTENTS

Chapter **Page**

FACILITY INFORMATION TABLE

Facility Name	PVS Technologies, Inc.
Location	1111 N. State Road 149 Burns Harbor, IN 46304
NAICS Code	325180 "Other Basic Inorganic Chemical Manufacturing"
SIC Code	2819 "Industrial Inorganic Chemicals, Not Elsewhere Classified"
Latitude	41 35' 49"
Longitude	87 7' 12"
General Permit Number	INRM02220
Approval Date	August 4, 2017
Expires	June 8, 2022

1.0 INTRODUCTION

1.1 BACKGROUND

M3V, LLC (M3V) prepared this Storm Water Pollution Prevention Plan (SWPPP) for PVS Technologies (PVS), located at 1111 North State Road 149, Burns Harbor, Indiana 46304.

The document was prepared in general accordance with the EPA guidelines for the Final National Pollutant Discharge Elimination System NPDES - Storm Water Multi-Sector Group General Permit for industrial activities and Industrial Storm Water Permitting (327 IAC 15-6, Rule 6) issued by Indiana Department of Environmental Management (IDEM). The SWPPP is intended to be a working document that takes into consideration observations made over time and possible facility modifications. The purpose of the SWPPP is to document the methods and procedures implemented to control the discharge of pollutants into stormwater runoff from the facility.

In any of the following situations that could impact storm water, the SWPPP will be amended appropriately:

- Facility expands
- Facility experiences any significant production increases
- Processes are modified
- Material handling process changes
- Storage practices change

The amended SWPPP will have a description of the new activities that contribute to the increased pollutant loading and planned source control activities. The SWPPP will also be amended if the state or federal compliance inspection officer determines that it is ineffective in controlling storm water pollutants discharged to waters.

Effective August 4, 2017 IDEM authorized the discharge of the storm water associated with industrial activity from this facility under the general permit INRM02220. This permit will expire on June 8, 2022.

1.2 STORM WATER POLLUTION PREVENTION PLAN

Table 1 - Management Certification

Storm Water **POLLUTION PREVENTION PLAN** **Management Certification**	**Permit # INRM02220** **PVS Steel Services** **1111 NORTH STATE ROAD 149,BURNS HARBOR, INDIANA 46304**

Main Facility: (219) 763-1199 x 1132

Responsibilities of Pollution Prevention Team:

1. Coordinates all stages of plan development and implementation, coordinates employee training program, keeps all records and ensures reports are submitted, notes any process changes, oversees inspections, responsible for implementing the preventative maintenance program.
2. Oversee good housekeeping
3. Spill response coordinator

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified employees properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Erhan Duvarci

Name: Erhan Duvarci

Title: Plant Manager

Date: 4-8-2022

This SWPPP shall be recertified whenever the SWPPP is amended.

1.3 STORM WATER PLAN IMPLEMENTATION

1.3.1 Storm Water Pollution Prevention Plan Team

The Storm Water Pollution Prevention Plan Team (SWPPP Team) is responsible for developing, implementing, maintaining, and revising the SWPPP. All members of the team are familiar with the management and operations of the facility.

The development and implementation of the SWPPP are the responsibilities of both the site manager and the plan coordinator. The site manager has overall responsibility for the implementation and maintenance of the SWPPP and has signatory authority for any required certifications. The plan coordinator has day-to-day responsibility for all aspects of the SWPPP.

Where appropriate, task leaders may be assigned responsibility for specific areas or operations within the facility and for the implementation of all sections of the SWPPP applicable to their areas. The specific responsibilities of each team member are listed in Table 1.1. The tasks identified in Table 1.1 are listed in the section following the table.

Table 1.1 – PVS Storm Water Team

Team Member	Management	Supervisor
Title	Plant Manager	Plan Coordinator
Office Number	(412) 956-7467	(219) 763-1199
Team Chairperson	X	
Signatory Authority	X	
Conduct Employee Training		X
Recordkeeping	X	
Submit Reports	X	
Implement Source Area BMPs*		X
Routine Inspection		X
Annual Inspection		X
Revise SWPPP	X	
Storm Water Monitoring	X	

1.3.2 Storm water pollution prevention plan team tasks

The following general tasks must be performed by the SWPPP team during implementation of this SWPPP:

- Develop the Storm Water Pollution Prevention Plan;

- Implement best management practices (BMP);
- Conduct and document employee training;
- Conduct and document visual inspections;
- Follow-up with required actions identified during inspections
- Conduct and document required storm water sampling/monitoring;
- Report and document spill incidents;
- Prepare annual reports;
- Keep Plan current; and,
- Certify compliance with this Plan.

2.0 SITE DESCRIPTION

2.1 LOCATION

PVS facility is located in Burns Harbor, Indiana at 41 35' 49" latitude and 87 7' 12" longitude. The facility is located in an industrial area and is bounded by State Road 149 on the west side, an industrial property on the north side, Gustafson Ditch on the east side, and industrial property on the south side.

The site is located at an elevation of approximately 635 feet above mean sea level (NGVD, National Geodetic Vertical Datum, 1929), approximately 1 mile east of Salt Creek which is located at an elevation of approximately 600 feet NGVD, approximately 1.2 miles south of the Little Calumet River which is located at an elevation of approximately 595 feet NGVD, approximately 3.5 miles south of Lake Michigan and approximately 21 miles north of the Kankakee River.

Legal Description: Part of the South ½, South ½, Section 4, Township 36 North, Range 6 West of the 2nd P.M. in Porter County, Indiana. See figures in Appendix A for details.

The facility occupies approximately 16 acres of which approximately 6 acres are used for production. The remaining acres of the site consists of an office area, truck access and parking area, agricultural areas, and wetlands areas. Surface is relatively flat. A stormwater collection ditch surrounds the process area, collecting the stormwater runoff from the entire process facility. The stormwater collection ditch conveys stormwater to a detention pond located on the north-east side of the property. The pond discharge is controlled by a valve. Stormwater released from the detention pond is conveyed by a ditch eastward to Outfall 01, which discharges directly into Gustafson Ditch (County Ditch) at the northeast corner of the property. Figure 1 in Appendix A presents the site map with building locations and Figure 2 in Appendix A presents the topographical map of the property and its surroundings.

2.2 ACTIVITIES

PVS Technologies Burns Harbor is an iron oxide and hydrochloric acid manufacturing facility. The process begins when ferrous chloride is pumped to the venturi scrubber/separator processing unit from a designated tank in the tank farm. In this unit the ferrous chloride is preheated and concentrated through contact with hot gases from the spray roaster. The concentrated ferrous chloride is then sprayed directly into the spray roaster and reacts to form iron oxide and hydrogen chloride. The iron oxide is discharged from the bottom of the spray roaster and transferred under negative pressure through enclosed piping to a storage silo for packaging and shipment. Particulate matter is controlled with a baghouse. Hot HCl laden gases exhausted

from the top of the roaster are pulled under negative pressure through the venturi scrubber/separator processing unit to an absorber. The HCl gas is absorbed in water to form hydrochloric acid (HCl) solution. Any remaining HCl gas is captured by a two-stage scrubbing unit before the exhaust is discharged through the exhaust stack. The HCl produced is transferred to the tank farm through enclosed piping for storage prior to shipment.

2.3 STORM WATER DRAINGE SYSTEM

Outfall 01 located on the north-east side of the property conveys stormwater from the entire property surface and discharges to Gustafson Ditch. Activities that have the potential to contaminate stormwater discharges to Outfall 01 are production, maintenance, material storage/handling, and truck loading/unloading operations.

3.0 POTENTIAL STORM WATER CONTAMINANTS AND SPILL HISTORY

Potential sources of storm water pollution may include loading and unloading areas, maintenance or cleaning areas, storage areas for vehicles/equipment with actual or potential fluid leaks, and other materials storage areas.

3.1 LIST OF SIGNIFICANT MATERIALS

The Table 2 presents the list with the significant materials on site that can impact the storm water runoff during operations at the facility. Also provided are their locations and whether each material is stored, received, shipped and handled, as appropriate, as well as the typical quantities on-hand and the potential pollutants that can contaminate the storm water.

3.2 SIGNIFICANT SPILLS AND LEAKS

There have been no significant spills at the facility in the last 5 years.

Table 2 - Material Inventory

Material (source)	Location	Transportation			Qty Stored at any time	Likelihood of contact with storm water	Pollutants	Past Significant Spill or Leak	
		Rcvd	Used/ Generated per Year	Handling				Yes	No
Trash	Various locations	N	2000 yd^3	Y	100 yd^3	Accidental spill or puncture	Solids		X
Forklifts, trucks, trailer	Yard	N	21 units	Y	Varies	Accidental Hydraulic	Oil, Hydrocarbons		X

						leaks			
Diesel fuel, Double wall AST	East side of property	Y	25,000 Gal	Y	5,000 gal	Accidental spill, hoses failures or puncture	Hydrocarbons		X
Mineral Oil Transformer	North west of property	N	N/A	N	N/A	Accidental spill or puncture	Oil		X
Oil (fresh and used)	Tank farm containmen t area	Y	220 Gal	Y	220 Gal	Accidental spill or puncture	Oil		X
Iron Oxide	North and East side of the property	Y	60,000	Y	5,000	Bags puncture, failure	Metals		X
HCl	Tank farm (16 tanks)	Y	16x31, 500 Gal	Y	378,000 Gal	Accidental spill or puncture	HCl		X

3.3 LOCATION OF POTENTIAL SOURCES OF STORM WATER CONTAMINATION

The following potential source areas of storm water contamination as presented in Table 2 were identified and evaluated:

3.3.1. Fuel storage tank

A 5,000-gallon diesel fuel double-walled tank is located on the east side of the plant. Tank is a dual wall tank with secondary containment built in. The tank supplies diesel for PVS vehicles and equipment. In the event of a major leak, the contents can be removed from the secondary containment wall through a valve located on the front of the tank. Bags of Floor Dri/Dri-Zit and a spill response kit are located inside the truck bay.

3.3.2. Transformer oil, oil drums

A 140-gallon mineral oil, NIPSCO transformer, located on the northwest side of the property. No containment is surrounding transformer. In the event of a leak, bags of Floor-Dri are located in the truck bay and NIPSCO will be notified to respond to the spill. Fresh oil and used oil are stored in 55-gal drums and located inside the tank farm containment area.

3.3.3. Forklifts, trucks, and trailers

The facility has several forklifts, trucks, and trailer to transport the HCl to customer locations. Equipment leaks could be the cause for an accidental spill that will reach the storm water system.

3.3.4. Tank farm

The tank farm consists of sixteen (16) storage tanks, each tank has a capacity to store 31,150 gallons of either hydrochloric acid solution or non-HAP/non-VOC product. As a maximum capacity twelve (12) tanks store a hydrochloric acid solution and four (4) tanks store a non-HAP/non-VOC production. In case of a leak or spill, the material will be collected into the secondary containment area. Liquids in the sump are recovered and returned to tanks for processing

3.3.5. Parking and Roadway Areas

Some parking and roadway areas are paved, and some are rock covered. Paved and unpaved areas where vehicles park and drive are subject to leaking oil, washed off dirt, and dust after a rain and these can be a source of storm water pollution. A vehicle accident could also cause pollution if petroleum leaked from the vehicle's tanks or if its load spilled.

3.3.6. Areas Covered by Vegetation

The vegetated areas are not fertilized or treated with herbicides.

3.3.7. Trash and Process Debris Dumpsters

Trash and process debris dumpsters could be a source of storm water pollution if they are overfilled, unloaded incorrectly, not kept covered, or if liquids are poured into them.

3.3.8. Outdoor Storage

The facility stores equipment, supplies, and excess iron oxide outside. Bags that are not properly closed or that have a failure may be a source of stormwater contamination.

3.3.9. Allowable Discharges under the General NPDES Permit

PVS is allowed to have non-storm water discharges under 327 IAC 15-6-2(a)(4). A facility is allowed to have an existing point source discharge composed entirely of storm water and the following allowable non-storm water discharges exposed to industrial activity, provided that the non-storm water discharge is not deemed by the facility or IDEM to be a major contributor to pollution of the storm water.

The following list of non-storm water discharges are allowed under the general permit.

- Discharges from firefighting activities.
- Fire hydrant flushing.
- Potable water sources, including waterline flushing.
- Irrigation drainage.
- Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with manufacturer's instructions.
- Routine external building wash-down that does not use detergents.

- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred, unless all spilled material has been removed, and where detergents are not used.
- Uncontaminated ground water or spring water.
- Foundation or footing drains where flow is not contaminated with process materials, such as solvents.
- Uncontaminated air conditioning or compressor condensate.
- Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but not intentional discharges from the cooling tower (for example, piped cooling tower blowdown or drains).
- Vehicle washes waters where uncontaminated water, without detergents or solvents, is utilized.
- Run-off from the use of dust suppressants approved for use by other program areas within the department.

4.0 STORM WATER MANAGEMENT

POLLUTION PREVENTION USING BEST MANAGEMENT PRACTICES

Upon reviewing the potential pollutants at the facility and the facility operations, PVS updated the list of Best Management Practices (BMPs). These BMPs will control the discharge of potential pollutants in storm water runoff for each area of concern. The Storm Water Plan Coordinator reviewed the list of BMPs for applicability and feasibility.

4.1 NON-STRUCTURAL BMPS

Non-structural BMPs generally consist of processes, prohibitions, procedures, and activities that prevent pollutants associated with industrial activity from contacting storm water discharges and authorized non-storm water discharges. The general storm water permit requires each facility covered by the General Permit to develop a description of storm water management controls appropriate for the facility and implement such controls. At a minimum, storm water management controls must address the following non-structural BMPs:

- Good Housekeeping,
- Preventive Maintenance,
- Inspections,
- Spill Prevention and Response,
- Employee Training,
- Material Handling and Storage,
- Waste Handling and Recycling,
- Quality Assurance

4.1.1 Good Housekeeping

Good housekeeping practices are implemented to maintain a clean and orderly work environment. A clean work environment reduces the possibility of accidental spills caused by mishandling of chemicals or equipment and should reduce safety hazards to facility employees. The following good housekeeping measures are conducted to prevent pollutants from entering storm water discharges.

1. All trash and process debris dumpsters are inspected for leaks.
2. Chemicals are not stored on exposed soil.
3. Storage bags are periodically inspected.
4. The tanks are visually inspected
5. Frequent training of employees in good housekeeping techniques reduces the possibility of materials being mishandled.
6. Good housekeeping measures are discussed at employee meetings.

4.1.2 Preventive Maintenance

Preventive maintenance procedures at the PVS facility are designed to prevent failure of the stormwater drainage or plant equipment that could cause pollutants to reach the surface water. This includes:

1. Cleanup of minor spills resulting from normal operations, which pose no threat to facility employees;
2. Replacement and repair of leaking fittings or valves as part of normal facility maintenance;
3. Inspections of secondary containment and storm water management structures monthly and following upset conditions, which are capable of damaging the structures.
4. Inspection of drainage systems monthly.
5. Regular maintenance of the containment areas.
6. Inspection and regular maintenance of the baghouses.
7. Monthly inspections of critical areas for leaks, corrosion, cracks, solid build-up. These areas include:
    - Storage tank;
    - Trash dumpster area;
    - Baghouses area;
    - Parking lots;
    - Areas covered by vegetation.

4.1.3 Inspection

Inspection and testing of facility equipment and systems that are in areas of the facility that generate storm water discharges and have a reasonable potential for storm water exposure to pollutants are required to ensure appropriate maintenance of such equipment and systems and to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters.

Quarterly inspections will include stormwater controls, conveyances and visual inspections of the discharge at Outfall 01. A comprehensive annual inspection is performed to assess the effectiveness of BMP's. Inspections are documented and either contained in, or have the on-site record keeping location referenced in, the SWP3. The inspections are performed by designated persons who report to the Pollution Prevention Coordinator. A summary schedule of the various inspections that must be performed at the facility is given in Table 4 below:

Table 4 - Visual Inspection Schedule

Minimum Inspection Frequency	Tasks
Quarterly	Visual inspection of the discharge at the outfall sampling point during a storm-event.
Annually	Perform a comprehensive inspection of the stormwater collection system, stormwater detention pond, secondary containments, chemical storage areas, and overall site housekeeping.

4.1.4 Spill Prevention and Response

Spills and leaks are one of the largest contributors of storm water pollutants. As part of routine inspections, facility employees identify potential problems that may develop into environmental hazards. Employees of PVS correct these problems and communicate to the management the nature and extent of potential problems.

Should a spill or release be evident, the employee first detecting this condition will immediately adhere to the procedures outlined in the Emergency Action Plan. In these situations, the employee will be the first responder to contain the spill to a small area. Further remedial response procedures are outlined in the Emergency Action Plan. Spills in excess of reportable quantities are recorded and reported following the procedure.

Waste is minimized through regular implementation of measures following process inspection.

- Any spills or leaks are to be immediately soaked up with dry adsorbent and placed in a trash receptacle or hazardous material container, depending on the spill nature.
- For spills that cannot be managed by the emergency spill kit, Employees will contact the Plan Coordinator and report the spill to management.
- All spills that reach the storm water system will be reported to the National Response Center at 1-800-424-8802.

4.1.5 Waste Handling and Recycling

Employees are trained in procedures to handle, store, or dispose of recyclable materials. For large spills outside contractors will be used. For small spills the contaminated materials are stored in drums and disposed of through certified subcontractors. The subcontractors remove the universal waste (bulbs, lamps, batteries, etc.) annually, and the hazardous waste at least every 180 days.

4.1.6 Material Handling and Storage

Procedures are implemented to minimize the potential for spills and leaks and to minimize exposure of contaminants to storm water and authorized non-storm water discharges.

4.1.7 Quality Assurance

Procedures are in place to ensure that all elements of the SWPPP are adequately conducted. Inspections of potential pollutant source areas are routinely performed. Included in the inspection program are corrective action contingencies that ensure that all items requiring follow-up are completed in a timely fashion and documented.

4.2 STRUCTURAL BMPS

Structural BMPs generally consist of physical devices that reduce or prevent the spill of pollutants in storm water discharges and authorized non-storm water discharges. Structural BMPs that are in place at the PVS facility and include secondary containments and management of runoff.

4.2.1 Secondary containment

The above ground diesel storage tank is located outside and is double walled. The tank farm is contained in a diked area and any spill within the walls are isolated until a valve is opened to drain the spill. Accumulated rainwater is inspected for the presence of a sheen before draining off water into the stormwater drains.

4.2.2. Detention basins

The facility has a stormwater detention pond. The pond discharge is controlled with a valve. The pond is visually inspected, and the pH measured prior to discharge. The pH must be between 6 and 9 to discharge to Outfall 01.

4.2.3 Erosion and Sediment Controls

The General Permit requires that the operator must stabilize exposed areas and control runoff using structural or non-structural control measures to minimize onsite erosion and sedimentation, and the resulting discharge of pollutants. Process areas are paved or covered with gravel. Non-process areas are covered with turf grass in the office area and natural vegetation in the pond area and wetlands areas.

4.2.4 Management of Runoff

The General Permit requires that the operator must implement appropriate measures to manage the runoff from the property in such a manner as to minimize the pollutants in the discharge. Runoff is managed in a series of stormwater collection ditches that surround the processing areas. The ditches have valves installed in order to isolate any spills that may enter the ditches. Valves are normally closed. The pH of each ditch section is measured before opening valve(s) to release stormwater to the detention pond. Vegetation in the ditches limits erosion and helps precipitate solids.

4.3 Activity specific BMP's

The Table 5 summarizes the BMPs that will best reduce or prevent pollutants in storm water discharges and authorized non-storm water discharges associated with the potential sources of contamination

identified in the assessment phase:

Table 5 - Potential Pollutant Sources and Corresponding BMP Practices

Area	Activity	Pollutant	BMP
Storage tanks	Storage & transfer	Diesel	Good Housekeeping, Preventive Maintenance (PM), Inspection of equipment and handling of materials
Tank farm	Storage & transfer	HCl	Good Housekeeping, Preventive Maintenance (PM), Inspection of equipment and handling of materials
Plant Yard	Storage	Metals	Good Housekeeping, Inspection of storage bags and handling of materials
Trash Dumpsters	Storage & trash	Solids	Good Housekeeping, Inspection of equipment and handling of materials

A BMP implementation schedule is presented in Table 6.

Table 6 - BMP Implementation Schedule

Best Management Practices	Implementation Date
The secondary containment and storm management structures will be inspected regularly for volume and content	In place
The secondary containment and storm management structures will be maintained regularly	In place
Stormwater collection ditches surround processing areas	In place
Quarterly visual inspection	In place
All above ground storage tanks scheduled maintenance	In place
Any spills or leaks cleaned up immediately	In place
Annual comprehensive inspection	In place

4.4 Monitoring and evaluation

All incidents of noncompliance must be documented in the inspection report. Inspection forms are available in appendix B of this plan.

Visual inspections are needed for all outdoor areas. These inspections include: conducting informal daily assessments looking for spills, leaks, unusual storage items, blown in trash, eroded areas or any other unusual items.

All formal inspections will be conducted as presented in Table 4. On a quarterly basis, a formal visual inspection of the discharge at Outfall 01 is conducted... Inspections will be conducted within the first thirty minutes of discharge or soon thereafter, but not exceeding 60 minutes. The visual inspection shall include:

any observations of color, odor, turbidity, floating solids, foam, oil sheen, or other obvious indicators of storm water pollution. These records must be kept for 3 years.
PVS will perform at least one visual inspection of all storm draining ditches/channels during a rain event to look for evidence of storm water contamination. Information recorded during the quarterly inspection shall include date of inspection, storm Outfall location, inspection results, and potential significant sources of storm water contaminants if discovered. The visual examination reports must be maintained onsite with the Storm Water Pollution Prevention Plan.

An annual storm water compliance inspection will be conducted approximately one year following implementation of this SWPPP and annually thereafter. The SWPPP Coordinator or his/her designee will complete the inspection. The inspection will determine if the BMPs have been implemented and will assess their effectiveness. The inspection will also determine if site operations have changed since development of this SWPPP. If operational changes have been made, the SWPPP Coordinator will determine if those changes will impact storm water quality and develop new BMPs to address the change. All operational changes and new BMPs will be recorded in this SWPPP. Additionally, the inspection date, the inspection employees, the scope of the inspection, major observations, and any needed revisions will be recorded. Revisions to the plan will occur within thirty days after the annual inspection.

Storm water drainage areas have to be inspected for evidence of pollutants entering the drainage system. Also, structural measures, sediment controls, and other storm water BMPs have to be observed to ensure proper operation.

Equipment needed to implement the plan, such as spill response equipment will be inspected. Any necessary changes will be implemented in a timely manner, but at least within 12 weeks of the inspection. A report will be prepared; summarizing inspection results and follow-up actions, the date of the inspection and employees who conducted the inspection. Incidents of noncompliance will be identified, or it will be certified that the facility is following the plan.

4.5 Sampling and analysis

PVS is required to test the storm water outfalls annually, as outlined in the Permit. The monitoring period is from June 9th to June 8th of the following year. The facility must monitor at least once within a reporting year. The analysis of the storm water outfall sample must include the following parameters:

Test Parameters	**Parameters Benchmark Value**	
	Concentration (mg/l, unless otherwise specified)	
	Grab sample type	
pH	Minimum 6.0 s.u.	Maximum 9.0 s.u.
Chemical Oxygen Demand (COD)	120	
Total Suspended Solids (TSS)	100	
Oil & Grease	15	
CBOD5 (Carbonaceous biochemical oxygen)	30	

TKN (Total Kjeldahl nitrogen)	0.591
Total phosphorous	2.0
Nitrate plus nitrite nitrogen	0.68

The benchmark values listed above are not effluent limitations; a benchmark exceedance, therefore, is not a violation. Benchmark data is primarily used to determine the overall effectiveness of BMPs and control measures in controlling the discharge of pollutants to the environment and to assist PVS in controlling the discharge of pollutants to the environment and to assist PVS in knowing when additional corrective action(s) may be necessary.

4.5.1 Sampling Procedures

Samples and measurements taken as required shall be representative of the volume and nature of the monitored discharge. Storm water must be sampled according to the requirements listed below (a-d). If PVS is unable to sample during a monitoring period, a justification must be sent along with Discharge Monitoring Report for that period.

Sampling requirements and instructions are as follows:

a. Sampling Location. The sampling location for Outfall 01 is the entrance to the outfall culvert, which is located at the east end of the discharge ditch. The sampling location is representative of the outfall discharge into Gustafson Ditch.

b. Grab Sample. A minimum of one grab sample must be taken from the Outfall 01 sampling location within the first 30 minutes of a discharge resulting from a measurable storm event. If it is not possible to collect the sample within the first 30 minutes of a measurable storm event, the sample must be collected as soon as practicable after the first 30 minutes and documentation must be kept with the SWPPP explaining why it was not possible to take samples within the first 30 minutes. "Measurable storm event" means a precipitation event which results in a total measured precipitation accumulation equal to, or greater than, one-tenth (0.1) inch of rainfall.

c. Measurable Storm Event. All required monitoring must be performed on a storm event that results in an actual discharge from the site ("measurable storm event") that follows the preceding measurable storm event by at least 72 hours (3 days). The 72-hour (3-day) storm interval does not apply if the facility is able to document that less than a 72-hour (3-day) interval is representative for local storm events during the sampling period. In the case of frozen precipitation, the measurable storm event begins when melting produces a measurable discharge at the facility and ends when measurable discharge ceases at the facility.

d. Adverse Weather Conditions. Adverse conditions are those that are dangerous or create inaccessibility for employees, such as local flooding, high winds, or electrical storms, or situations that otherwise make sampling impractical, such as drought or extended frozen conditions. When adverse weather conditions prevent the collection of samples according to the relevant monitoring schedule, a substitute sample must be taken during the subsequent qualifying storm event. The facility must document any failure to monitor as indicating the basis for not sampling during the usual reporting period.

e. Sampling Method. Analytical methods used to meet the monitoring requirements specified in this permit shall conform to the latest revision of the Guidelines Establishing Test Procedures for the Analysis of Pollutants contained in 40 CFR Part 136 or to the latest revision of Standard Methods for the Examination of Water and Wastewater (APHA), unless otherwise specified in this permit or approved in writing by the Department provided that such otherwise approved analytical method is the equivalent of that found in the guidance cited in this section or will result in more accurate analytical results or will have a lower detection limit. Note that 40 CFR Part 136 and Standard Methods for the Examination of Waste and Wastewater establish the maximum holding times for each parameter which must be met for sampling results to be considered valid. Some parameters have short holding times, such as pH, which should be analyzed immediately to be considered valid.

f. Records and Reporting. For each monitoring event, PVS shall record the date of the storm event sampled; rainfall measurements or estimates (in inches) of the storm event which generated the sampled runoff; and the duration between the storm event sampled and the end of the previous measurable storm event.

4.6 REPORTING

The SWPPP is not required to be submitted to IDEM but must be retained on-site at the facility. IDEM's Office of Water Quality must be informed in writing that the Plan has been fully implemented by sending the Rule 6 checklist. One initial sampling and analysis event must be performed before implementation of the Plan. Monitoring and reporting requirements are set out in 327 IAC 15-6-7.3. Sampling and analysis data have to be submitted within 30 days after the analysis was performed. Subsequent annual report submittals shall be provided no later than three hundred sixty-five (365) days from the previous report in years two (2) through five (5).

The Annual Report shall be submitted to the IDEM and will contain the following information (327 IAC 15-6-7.5):

1. Any changes to the original NOI letter;
2. Any changes to the facility, the facility's operations or industrial activities;
3. During the second through fifth years of permit coverage, a copy of the comparison of all sampling data results included in the facility's SWP3 and required under section 7(b)(9) of this rule;
4. Any additional BMPs implemented or corrective measures taken, as a result of sampling data results;

The annual report must contain information obtained during the previous year of regulation and be submitted initially no later than three hundred sixty-five (365) days from the initial NOI submittal date or the expiration date of the previous five (5) year permit term.

All samples must be reported as a value of concentration or loading. For each measurement or sample taken under this rule, PVS shall record and submit the following information to IDEM:

(A) The exact place, date, and time of the start of the discharge, the duration of the storm event sampled, a measurement of the rainfall in inches, and time of sampling;

(B) The duration between the storm event sampled and the end of the previous measurable storm event;
(C) The individual who performed the sampling or measurements;
(D) The dates the analyses were performed;
(E) The individual who performed the analyses;
(F) The analytical techniques or methods used;
(G) The results of all required analyses and measurements;
(H) A complete copy of the laboratory report, including chain-of-custody.

Sampling data results shall be submitted to the IDEM within thirty (30) days after laboratory analyses have been completed.

If a pollutant is monitored more frequently than required under this rule, the results of such monitoring must be reported as additional information in the annual report. Such increased frequency must also be indicated in the report.

4.7 RECORDKEEPING

Records of all monitoring information, inspection reports, SWPPP, NOI, and any other documentation of compliance with the General Permit requirements will be maintained either one (1) year following the date of a Notice of Termination, three (3) years following the date that coverage under this permit expires or longer if required by the commissioner (IDEM). Such information shall include all calibration and maintenance records, copies of all reports required by this permit, and records of all data used to complete the application for the General Permit. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the facility or when requested by IDEM. The falsification of information submitted to the Department shall constitute a violation of the terms and conditions of the General Permit.

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place, method, and time of sampling or measurement; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) the individual and/or laboratory who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

This permit will expire on June 8, 2022. Upon re-issuance of this general permit, the operator must notify IDEM of the intent to be covered by the new general permit by submitting a NOI consistent with the new general permit requirements no later than 90 days following the effective date of the new general permit. A qualified professional must also sign the NOI and the associated checklist.

4.7 NON-STORM WATER ASSESSMENT

Storm water discharges entering Gustafson Ditch have been evaluated for the presence of illicit discharges and non-storm water contributions. A certification that all non-storm water discharges have been evaluated for the presence of pollutants is included in this Plan. This certification is updated as conditions at the facility change, and a copy will be included in the SWPPP. This certification includes:

- Identification of all on-going and potential non-storm water discharges at the site, allowable and otherwise,
- Date of the evaluation,
- Description of the evaluation criteria or testing method used,
- Results of any test/evaluation (visual or analytical) for pollutants,
- Indication on the facility site map and certification what outfall or drainage system is affected, and the
- BMP description, if required.

4.8 TRAINING

An employee training program will be developed and implemented to communicate the requirements of the SWPPP to employees. Employees whose job duties may affect storm water runoff will be trained. This education program will include background on the components and goals of the SWPPP, training on spill prevention and response, good housekeeping, proper material handling, disposal and control of waste, container filling and transfer, proper storage, washing, and inspection procedures.

All other employees receive general awareness training on emergency notifications, including reporting spills. New employees will be trained within one month of their start date. SWPPP responsible employees are required to participate in an annual refresher training course. An example of an associate sign-in sheet for the refresher course can be found in Appendix C of this document. Individual associate training records will be maintained onsite.

The SWPPP coordinator is responsible for determining the effectiveness of the SWPPP. They are also responsible for making any necessary changes to the program and will review the training program annually. An example of training topics is presented in Table 7.

Table 7 – Training Topics

Training Topics	Brief Description of Training Program/Materials (e.g., film, newsletter course)	Schedule for Training (list dates)	Attendees	Observations
Spill Prevention and Response	Identify and Demonstrate Spill Response Procedures	1 month after hire + annual	Maintenance/Service Manufacturing Employees	
Good Housekeeping	Used oil and spent solvent management, fueling procedures, general good housekeeping practices, proper painting procedures and dust control	1 month after hire + annual	Maintenance/Service Manufacturing Employees	
Material Management Practices	Confirm Use of Hazardous Material Labels. Discuss Waste Material Collection Practices. Maintenance of MSDS	1 month after hire + annual	Maintenance/Service Manufacturing Employees	

Hazardous Materials Handling	Demonstrate Haz Op Procedure for hazardous materials used on site	1 month after hire + annual	Maintenance/Service Manufacturing Employees	

4.9 PLAN REVISIONS

Plans are required to be maintained onsite of the facility unless the Director of IDEM, or authorized representative, or the operator of a large or medium municipal separate storm sewer system, requests that the plan be submitted. Plans and all required records must be kept as specified in the record keeping section of this plan.

The SWPPP will be updated and revised throughout the permit cycle. The SWPPP will be amended whenever there is a change in design, construction, operation, or maintenance at the facility, which may have a significant effect on the potential for the discharge of pollutants.

Any changes required by the permitting authority shall be made within 30 days, unless otherwise provided by the notification, and the facility must submit a certification signed by a responsible corporate officer to the Director that the requested changes have been made.

5.0 STORM WATER POLLUTION PREVENTION PLAN CERTIFICATION

(40 CFR 122.26) and (327 IAC Article 15 Rule 6(d)(1))

A member of management at a level with authority to commit the resources necessary to implement the Plan should approve the Plan and sign the Coordinator Certification. The owner or operator shall complete a review and evaluation of the SWP3 Plan at least once every year. Any amendments that are determined to be necessary are to be made (A) Whenever there is a change in design, construction, operation, or maintenance at the facility, which may have a significant effect on the potential for the discharge of pollutants to surface waters of the state, or (B) Upon written notice by the commissioner (IDEM) that the SWP3 proves to be ineffective in controlling pollutants in storm water discharges exposed to industrial activity. Within sixty (60) days of such notification from the commissioner, the permittee shall make the required changes to the SWP3 and shall submit the amended plan to the commissioner for review. A registered Professional Engineer must certify the Initial Plan and any technical amendments.

Plan certification is provided below. Records of changes to the Plan should be maintained for at least three (3) years. Plan review information and amendments are included in the Appendices.

Professional Engineer Certification (Qualified Professional Certification)

By means of this certification, I attest that I am familiar with the requirements of provisions of 40 CFR 122.26 and 327 IAC Article 15 Rule 6-7 (d), that I or my designated agent have visited and examined the facility, that this SWPP Plan has been prepared in accordance with good engineering practices, including consideration of applicable industry standards, and with the requirements of this Part, that procedures for required inspections and testing have been established, and that the Plan is adequate for the facility. This certification does in no way relieve the owner and operator of the facility of his or her duty to fully implement this SWPP Plan in accordance with the requirements of 40 CFR 122.26 and/or 327 IAC Article 15 Rule 6.

Name: Valerian C. Simianu, Ph.D., P.E Date of Certification: April 6, 2022

Registration State: WI Registration Number: 32940-006

SEAL

APPENDICES

APPENDIX A: LAYOUTS, MAPS

FIGURE 1 – PROPERTY BOUNDARY AND FACILITIES
FIGURE 2 – HYDROGEOLOGICAL SOILS MAP
FIGURE 3 – TOPOGRAPHICAL MAP
FIGURE 4 – DIRECTION OF FLOWS
FIGURE 5 – STORMWATER CONTROL VALVES

FIGURE 1 – PROPERTY BOUNDARY AND FACILITIES

FIGURE 2 – HYDROGEOLOGICAL SOILS MAP

Soil Map—Porter County, Indiana

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
De	Del Rey silt loam	47.0	55.9%
Mp	Milford silty clay loam, 0 to 2 percent slopes	10.4	12.3%
Se	Selfridge loamy fine sand	26.7	31.7%
Totals for Area of Interest		**84.0**	**100.0%**

Soil Map—Porter County, Indiana

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Porter County, Indiana
Survey Area Data: Version 23, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

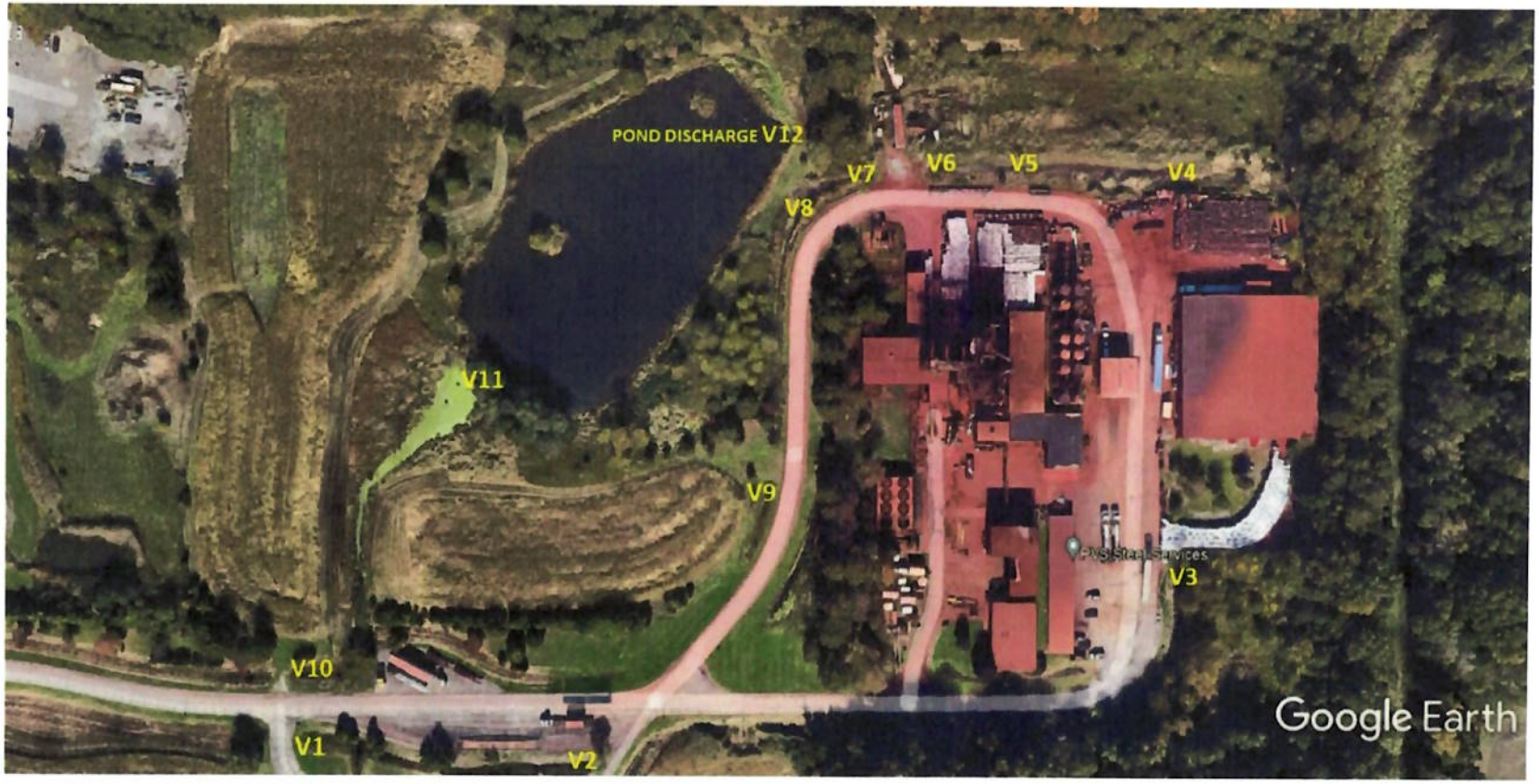
Date(s) aerial images were photographed: Jun 3, 2009—Oct 13, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

FIGURE 3 – TOPOGRAPHICAL MAP

FIGURE 4 – DIRECTION OF FLOWS

FIGURE 5 – STORMWATER CONTROL VALVES



APPENDIX B: PLAN FORMS

APPENDIX B-1: CHEMICAL AND OIL SPILL REPORTING FORM

INITIAL NOTIFICATION	Date:		Time:		
By (Name, Affiliation):					
Personnel Responding at Scene:					
SPILL INFORMATION	Date:		Time:		
Material:					
Source of spill:					
Quantity:		Location:			
Resp. Dept:		Contact.			
Fire/Rescue Incident Response #:		IDEM Reportable:		Yes	No
DETAILS AND REMEDIAL ACTION					
POSSIBLE HEALTH OR FIRE HAZARDS:				Yes	No
POTENTIAL FOR GROUND WATER CONTAMINATION:				Yes	No
Sampled: Yes No					
Type of samples:		Number of samples:			
Location:					

FED/STATE NOTIFICATIONS REQUIRED:			Person Notified	Time Notified
	Local	Yes/No		
	State	Yes/No		
	EPA	Yes/No		
Local Emergency Planning Committee (Porter County): 219-462-8654 or 219-405-3823	LEPC Spill #:			
Burn Harbors Sanitation Department: 219-787-1165	Municipal Spill #:			
IDEM Hotline, 24-hr No.: 888-233-7745	IDEM Spill #:			
EPA National Response Center: 800-424-8802	EPA NRC Ref. #:			

NOTIFICATION OF EH&S COORDINATOR REQUIRED:	Yes	No	Person Notified	Time Notified
Brian Wodetzki – (219) 728-9511				
ADDITIONAL COMMENTS:				

Report Filed By:	Date:

cc:

Add'l cc's:

Comments:_____

_____

_____

APPENDIX B-2: QUARTERLY VISUAL INSPECTION FORM

Inspector Name _____			Title _____	
Date _____			Time _____	
Time Rainfall Began _____				
Color	None	_____	Other (Describe) _____	
Odor	None	_____	Other (Describe) _____	
Clarity	Clear	_____	Other (Describe) _____	
Floating solids	Yes	_____	No _____	
Settled Solids**	None	_____	Yes _____	
Suspended Solids	None	_____	Yes _____	
Foam	None	_____	Yes _____	
Oil Sheen	None		Yes	
** Observe for settled solids after allowing the sample to sit for approximately one-half hour.				
Inspect Stormwater ditches, detention pond, and secondary containments. For Unsat, comment concerns below.				
Satisfactory _____				
Unsatisfactory _____				
Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below.				
Inspector Signature _____				

APPENDIX B-3: ANNUAL INSPECTION FORM

PVS TECHNOLOGIES BURNS HARBOR ANNUAL STORMWATER INSPECTION FORM

Inspector_____ Date/Time _____

INSPECTION ITEMS	Checked (Y/N)	Maint Needed? (Y/N)	Comments
STORMWATER COLLECTION SYSTEM			
Are ditches free of excess vegetation?			
Are culverts/pipes open?			
Are ditch valves clear of vegetation and accessible?			
Are valve locations marked/signed?			
Are ditches free of trash and debris?			
Are ditches free of erosion?			
STORMWATER DETENTION POND			
Is the pond free of oil sheen, trash, and debris?			
Is there evidence of chemical staining in the pond?			
Is there erosion on the shoreline?			
Is the discharge area free of animal burrows?			
Is the discharge valve free of excess vegetation?			
Is the outlet free of muck/vegetation?			
CHEMICAL STORAGE AREAS			
Is the tank farm containment free from leakes, cracks, and holes?			
Do process areas drain to the process sump?			
Are process drains unobstructed?			
Are chemical storage containments free of leaks, cracks, and holes?			
Is the fuel tank area free of leaks and spills?			
Are containers in good condition?			
Is accumulated rainwater in containments free from chemical staining, oil, etc.?			
GENERAL SITE AREAS			
Is the truck parking area free of oil, chemicals, trash, and debris?			
Are the storm drain manholes free of trash and debris?			
Is overall site housekeeping good?			

APPENDIX B-4: NON-STORM WATER DISCHARGE CERTIFICATION

PVS Technologies Inc. certifies that our storm water discharge has been evaluated for the presence of illicit non-storm water discharges. There are no potential sources of illicit non-storm water discharges onsite. A site walk and review of drainage systems concluded that no other discharges are going into the storm water system.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Name: Erhan Duvarci Date:

Title: Plant Manager Signature: _____

APPENDIX B-5: STORM WATER SAMPLING DATA SHEET

Date of Sample: _____

Sample Point: Outfall 01

Event Start Time: _____ **Event End Time:** _____

Duration of Storm Event Sampled: _____

Rainfall measurements or estimates of the Storm Event: _____

Duration between the Storm Events: _____
(i.e., when was last measurable rainfall?)

Grab storm water sample, submit to analytical laboratory for the following analysis:

Oil and grease, Carbonaceous biochemical oxygen demand (CBOD), Chemical Oxygen Demand (COD), Total suspended solids (TSS), Total Kjeldahl nitrogen (TKN), Total phosphorous, pH, Nitrate plus nitrite nitrogen.

Comments:

_____
_____
_____
_____

Sample Collected by:

_____

Completed by:

_____

In the event of a material spill, the following steps should be taken immediately:

Step 1 Immediately notify the facility environmental manager of the incident. Secure the area.

Step 2 Review SDS for spill material to identify health and safety concerns. Put on appropriate personnel protection equipment. At a minimum, protection gloves and eyewear must be worn.

Step 3 If spilled material is a liquid, place absorbent material on the perimeters of the spill. Make sure that migration of the spilled material is prevented. Once migration pathways have been blocked, place absorbent material directly on the spilled liquid.

Step 4 Containerize the spilled material in the 55-gallon drum labeled with the name of the material spilled followed by the words "spill waste only". Use a broom and shovel to place the spilled material into the 55-gallon drum. Once all waste material has been placed in the 55-gallon drum, seal the drum.

Step 5 Complete spill report form or incident report form with the environmental manager.

APPENDIX C: SWPPP HISTORICAL DOCUMENTS

C-1 INITIAL NOI

APPENDIX D – REGULATIONS

EPA 40 CFR 122.26
IDEM 327 IAC Article 15, Rule 6

PVS STEEL SERVICES, INC.

Cell 219-617-3040

SPECIAL PROJECT DATA REPORT

CUSTOMER NAME: Calvin Thomas

DATE: 5-29-18 Type: RA WPL CPL IO REQUESTED BY: TESTING TECH(S): REVIEWED BY:

DATE CPT:	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#
Test Performed	Pond											
~~Rel~~ Lim #	1007467											
Total Fe												
Specific Gravity												
Suspended Solids												
ICP												
Wet Screen												
Bulk Density												
$FeCl_2$												
pH	7.60											
Cl												
Magnetite												
LOM												
Particle Size												
Surface Area												
Fe_2O_3												
LOI												
Other												

Copies to:

Remarks:

PVS STEEL SERVICES, INC.

SPECIAL PROJECT DATA REPORT

CUSTOMER NAME: Calvin Thomas Jr

DATE: 3-19-19 | Type: RA WPL CPL IO | REQUESTED BY: | TESTING TECH(S): | REVIEWED BY:

DATE CPT:	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#	LIMS#
Test Performed	Pond	Ditch2	Ditch2									
HCl												
Total Fe												
Specific Gravity												
Suspended Solids												
ICP												
Wet Screen												
Bulk Density												
$FeCl_2$												
(pH)	5.8	6.0	5.15									
Cl												
Magnetite												
LOM												
Particle Size												
Surface Area												
Fe_2O_3												
LOI												
Other												

Copies to:

Remarks:

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PVS CHEMICALS
1111 NORTH STATE ROAD 149
BURNS HARBOR, IN 46304

SPECIAL PROJECT DATA REPORT

Location:	Burns Harbor
Date Sample Taken:	10/1/19
Collected by (print)	Gene Evers AcidRuke
Date Test Performed:	10/1/19
Test performed by	Dawn Smith
LIM # if applicable	N/A
Specific Gravity	1.00
Suspended Solids	none
Oil	none
pH	7.0

Prepared by print: Brian Woletek
Prepared by signature:
Date: 10/1/19

P:\Subsidiary\Steel\EHSS\Burns Harbor\Programs\Storm Water Prevention

PVS CHEMICALS
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BURNS HARBOR, IN 46304

SPECIAL PROJECT DATA REPORT

Location: Pond	Burns Harbor
Date Sample Taken:	11/4/19
Collected by (print)	Rooke
Date Test Performed:	11/4/19
Test performed by	Gary Gunnon
LIM # if applicable	—
Specific Gravity	—
Suspended Solids	116
Oil	ND
pH	6.41

Prepared by print: Brian Wodetzki
Prepared by signature:
Date: 11/5/19

P:\Subsidiary\Steel\EHSS\Burns Harbor\Programs\Storm Water Prevention

Discharge Pond
11/5/19

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SPECIAL PROJECT DATA REPORT

POND DRAINED 5-14-20
5-15-20

Location:	Burns Harbor
Date Sample Taken:	5-14-20
Collected by (print)	Steve Stavinoha
Date Test Performed:	5-14-20
Test performed by	D.S.
LIM # if applicable	1202335
Specific Gravity	—
Suspended Solids	—
Oil	—
pH	6-9 PH. 7.15

Prepared by print: ERHAN DUVARCI
Prepared by signature:
Date: 5-27-2020

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POND
DRAINED / POND DISHARGE VALVE CHANDED

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SPECIAL PROJECT DATA REPORT

Location:	Burns Harbor
Date Sample Taken:	9-9-20
Collected by (print)	EW
Date Test Performed:	9-9-20
Test performed by	DSMKT
LIM # if applicable	123085A
Specific Gravity	1.00
Suspended Solids	
Oil	
pH	6.0

Prepared by print: D Smith
Prepared by signature:
Date: 9-9-20

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SPECIAL PROJECT DATA REPORT

Location: PARKING LOT	Burns Harbor
Date Sample Taken:	11/11/20
Collected by (print)	E WINDSOR
Date Test Performed:	11/11/20
Test performed by	CG
LIM # if applicable	1245446
Specific Gravity	
Suspended Solids	
Oil	
pH	6.07

Prepared by print: Coray Gannon
Prepared by signature:
Date: 11/11/20

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Discharge DV 11/11/2020

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BURNS HARBOR, IN 46304

SPECIAL PROJECT DATA REPORT

Location:	Burns Harbor
Date Sample Taken:	2/11/21
Collected by (print)	EW
Date Test Performed:	2/11/21
Test performed by	JE
LIM # if applicable	1275267
Specific Gravity	
Suspended Solids	
Oil	
pH	5.05

Prepared by print: JASMINE ERVIN
Prepared by signature: [signature]
Date: 2/11/21

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BURNS HARBOR, IN 46304

SPECIAL PROJECT DATA REPORT

Location:	Burns Harbor POND
Date Sample Taken:	4/13/21
Collected by (print)	BH
Date Test Performed:	4/13/21
Test performed by	DS
LIM # if applicable	1295598
Specific Gravity	
Suspended Solids	
Oil	
pH	6.50

Prepared by print: D SMITH
Prepared by signature:
Date: 4-13-21

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POND DISCHARGE

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BURNS HARBOR, IN 46304

SPECIAL PROJECT DATA REPORT

Location: Pond water	Burns Harbor
Date Sample Taken: 7/29/21	
Collected by (print) CHIP	
Date Test Performed: 7/29/21	
Test performed by CG	
LIM # if applicable 1327973	
Specific Gravity	
Suspended Solids	
Oil	
pH 7.0	

Prepared by print: Corey Gamon
Prepared by signature:
Date: 7/29/21

P:\Subsidiary\Steel\EHSS\Burns Harbor\Programs\Storm Water Prevention

Plevio Discharge
BL

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BURNS HARBOR, IN 46304

SPECIAL PROJECT DATA REPORT

Location: Pond	Burns Harbor
Date Sample Taken:	10/4/21
Collected by (print)	CHIP
Date Test Performed:	10/4/21
Test performed by	CG
LIM # if applicable	138587
Specific Gravity	
Suspended Solids	
Oil	
pH	7.33

Prepared by print: Corey Gannon
Prepared by signature:
Date: 10/4/21

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Please discharge

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BURNS HARBOR, IN 46304

SPECIAL PROJECT DATA REPORT

Location:	Burns Harbor
Date Sample Taken:	12/28/21
Collected by (print)	STEVE S
Date Test Performed:	12/28/21
Test performed by	JASMINE
LIM # if applicable	1371483
Specific Gravity	
Suspended Solids	
Oil	
pH	7.08

Prepared by print: JASMINE ERYIN
Prepared by signature: Jasmine Eryin
Date: 12/28/21

P:\Subsidiary\Steel\EHSS\Burns Harbor\Programs\Storm Water Prevention

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PVS CHEMICALS
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BURNS HARBOR, IN 46304

SPECIAL PROJECT DATA REPORT

Location:	Burns Harbor
Date Sample Taken:	3-8-22
Collected by (print)	Steve S
Date Test Performed:	3-8-22
Test performed by	Steve S
LIM # if applicable	1390122
Specific Gravity	
Suspended Solids	
Oil	
pH	6.96

Prepared by print: JASMINE ERVIN
Prepared by signature: Jasmine Ervin
Date: 3/8/2022

P:\Subsidiary\Steel\EHSS\Burns Harbor\Programs\Storm Water Prevention

Stormwater Training Syllabus

Section 1. General information for stormwater pollution prevention program.

Section 2. The Stormwater Pollution Prevention Plan (SWPPP)

Section 3. Best Management Practices

- Administrative BMP's
  - Preventative Maintenance
  - Spill Prevention and Response
  - Housekeeping
- Structural BMP's
  - Containments
  - Stormwater ditches
  - Stormwater control valves
  - Detention Pond

Section 4. Sampling Requirements.

- Quarterly inspection
- Annual inspection
- Annual sample for lab analysis

PVS Technologies, Inc. - 1111 N SR 149, Burns Harbor, IN

TRAINING / MEETING ATTENDANCE RECORD

COURSE NAME:	Burns Harbor Stormwater Training
DATES ATTENDED:	4-4 / 4-5 / 4-7 2022
Start Time	**End Time**
Address of Meeting : (if Different than Above)	

- [x] Attached course Content
- [ ] A Quiz or Test was administered
- [ ] A License or Certificate was issued
- [x] Meets Regulatory Compliance
- [ ] Recorded in JJ Keller

INSTRUCTOR		**COMPANY**	**PVS Technologies**
Qualifications of Instructor:			

COURSE CONTENT:	**Stormwater pollution prevention, SWPPP, BMP's, Sampling**
REQUIREMENTS:	

I hereby certify the below attendees have successfully completed this training.

Instructor/Presenter Zachary Rueda (Signature) Date

Please Return this attendance record, copy of course content outline and copies of any other records (quizzes, certificates) to your Training Record Keeper for filing and recording in JJ Keller. See Training Guidelines RC256 for guidance on Record keeping.

	PRINT NAME	SIGN NAME	LOCATION
1.	Ethan Monroe		BH
2.	Randy Gadsky		BH
3.	BRANDON FOSTER		BH
4.	SANTIAGO LASSALLE	S Lassalle SR	BH
5.	Ryan Hartor		BH
6.	Corey Gannon		BH
7.	Robert Burelson		BH
8.	Justin Hardwick		BH
9.	Nick Hadaris		BH
10.	Eddie Berry		BH
11.	Phil Franco		BH
12.	Anthony Tran		BH
13.	Miguel A. Pulido		BH
14.	Miguel Pulido Jr		BH
15.	FLOYD JONES		BH
	Kyle Koontz		BH
	JASMINE ERVIN		BH

PVS Technologies, Inc. - 1111 N SR 149, Burns Harbor, IN

TRAINING / MEETING ATTENDANCE RECORD

COURSE NAME:	Burns Harbor Stormwater Training		
DATES ATTENDED:	4-4 / 4-5 / 4-7 – 2022		
Start Time		**End Time**	
Address of Meeting : (if Different than Above)			

- ❑ Attached course Content
- ❑ A Quiz or Test was administered
- ❑ A License or Certificate was issued
- ❑ Meets Regulatory Compliance
- ❑ Recorded in JJ Keller

INSTRUCTOR	ERHAN DUARCI	**COMPANY**	**PVS Technologies**
Qualifications of Instructor:	P.M.		

COURSE CONTENT:	**Stormwater pollution prevention, SWPPP, BMP's, Sampling**
REQUIREMENTS:	

I hereby certify the below attendees have successfully completed this training.

Instructor/Presenter Erhan Duarci (Signature) Date

Please Return this attendance record, copy of course content outline and copies of any other records (quizzes, certificates) to your Training Record Keeper for filing and recording in JJ Keller. See Training Guidelines RC256 for guidance on Record keeping.

	PRINT NAME	SIGN NAME	LOCATION
1.	Jeanne Watson	Jeanne Watson	BH
2.	STEVE HERNANDEZ	S.H.	BH
3.	ALONZO KIRK	AK	BH
4.	XUSHENG PAN	X-P.	BH.
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

PVS Steel Services Inc.

May 28th, 2019

IDEM Rule 6 Coordinator
100 North Senate Avenue Room 1255
Mail Code 65-42
Indianapolis, IN 46204-2251

INRM02220
Portage

Subject: Rule 6 Industrial Storm Water General Permit- Annual Report

Enclosed is the Rule 6 Storm Water Pollution Prevention Plan (SWP3) Annual Report for PVS Steel Services Burns Harbor.

If you have any additional questions, please feel free to contact me at your convenience.

Sincerely,

Calvin Thomas Jr
EHS Manager

RECEIVED
MAY 31 2019
IDEM/OWQ

RULE 6 STORM WATER POLLUTION PREVENTION PLAN (SWP3) CERTIFICATION CHECKLIST

State Form 51287 (R5 / 1-09)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

For questions regarding this form, contact:
IDEM – Rule 6 Coordinator
100 North Senate Avenue, Rm 1255
Mail Code 65-42
Indianapolis, IN 46204
Phone: (317) 233-0202 or
(800) 451-6027, ext. 30202 (within Indiana)
Web Access:
http://www.in.gov/idem/4901.htm

NOTE:

- This form must be used, completed, and submitted within one (1) year after an NOI letter is received by IDEM for permit coverage under a general NPDES permit pursuant to 327 IAC 15-6.
- Return this form by mail to the IDEM Rule 6 Coordinator at the address listed in the box on the upper-right.

PART A: GENERAL INFORMATION FOR FACILITY

1. Facility name: PVS Steel Services Burns Harbor
2. Facility general NPDES Industrial Storm Water Permit Number: INR- 02220
3. Facility location address: Number and street: 1111 N. SR 149

City	ZIP code	County
Burns Harbor	46304	Porter

PART B: RULE 6 CHECKLIST

▶ **Please check the appropriate box when the requirements for each numbered item have been met, or check NA if an item is "not applicable." For some of the numbered items, the requirements must be met and "not applicable" is not provided as an option.**

✓	NA	ITEM
☒		1. Plan identifies individuals and their corresponding responsibilities for the facility Storm Water Pollution Prevention Team
☒		2. Plan contains a copy of the complete NOI letter, which contains:
☒		i) Facility contact information
☒		ii) SIC Code(s)
☒		iii) Facility longitude and latitude
☒		iv) Receiving water(s)
☒	☐	v) The identification of past and present NPDES permits
☒	☐	vi) The identification of the MS4 receiving the storm water discharge(s)
☒		vii) Narrative description of industrial processes at facility
☒		viii) Responsible Individual contact information
☒	☐	ix) Registered Agent contact information
☒		x) Outfall description, which identifies substantially similar outfall discharges and monitoring points
☒		xi) Proof of publication
☒	☐	3. Plan contains a soils map, which indicates the types of soils found on the facility property. The boundaries of the facility property have been outlined, in a contrasting color. If a facility's property only has impervious surfaces, the soils map requirement can be omitted.
☒		4. Graphical representation which indicates[1]:
☒		i) On-site drainage and discharge conveyances
☒		ii) Adjacent property drainage and discharge conveyances
☒	☐	iii) On-site and adjacent property water bodies
☒		iv) Outline of the drainage area for each storm water outfall
☒		v) Outline of the facility property indicating directional flows of surface drainage patterns
☒		vi) Outline of the impervious surfaces, with estimate of impervious and pervious surfaces square footage for each drainage area
☐	☒	vii) On-site injection wells
☐	☒	viii) On-site wells used as potable water sources
☒	☐	ix) Existing structural control measures
☒	☐	x) Existing and/or historical underground and aboveground storage tank locations[2]
☐	☒	xi) Permanently designated plowed and/or dumped snow storage locations[2]
☒	☐	xii) Loading and unloading areas for solid and/or liquid bulk materials[2]
☒	☐	xiii) Existing and/or historical outdoor storage areas for raw materials, intermediary products, final products, or waste materials[2]
☒	☐	xiv) Existing and/or historical outdoor storage areas for fuels, processing equipment, and other containerized materials[2]
☐	☒	xv) Outdoor processing areas[2]
☒	☐	xvi) Dust or particulate generating process areas[2]
☒	☐	xvii) Outdoor waste storage and/or disposal areas[2]
☐	☒	xviii) Pesticide and/or herbicide application areas[2]
☒	☐	xix) Vehicular access roads[2]
☒		5. Area map which indicates:
☒		i) Topographic relief or similar elevations
☒		ii) Facility outlined in contrasting color
☒		iii) Receiving water(s)
☐	☒	iv) Drinking water wells within a ¼-mile radius

(Continued on page 2)

already ove for '18

RECEIVED
MAY 31 2019
IDEM/OWQ

[1] The on-site mapping of items listed in (x) through (xix) is required only in those areas that generate storm water discharges exposed to industrial activity and have a reasonable potential for storm water exposure to pollutants.
[2] The mapping of historical locations is only required if the historical locations have a reasonable potential for storm water exposure to historical pollutants.

PART B: RULE 6 CHECKLIST

► Please check the appropriate box when the requirements for each numbered item have been met, or check NA if an item is "not applicable." For some of the numbered items, the requirements must be met and "not applicable" is not provided as an option.

✓	NA	ITEM
☒		**6.** Plan contains a narrative description of potential pollutant source areas[3]
☒		a) Descriptions have been created for all existing and/or historical areas identified as being a potential source of storm water exposure to pollutants.
		b) The descriptions for EACH area includes:
☒		i) Type and typical quantity of materials present in the area
☒		ii) Methods of storage, including presence of any secondary containment measures
☒	☐	iii) Remedial actions undertaken in the area to eliminate pollutant sources or exposure of storm water to those sources
☒	☐	iv) Spill or leak history in the area[3]
☒	☐	(1) Date and type of material released
☒	☐	(2) Estimated volume released
☒	☐	(3) Description of remedial actions undertaken
☒		c) Where the chemical or material can be exposed to storm water, area contains a risk identification analysis of chemicals or materials stored or used within the area, which includes:
☒		i) Toxicity data of chemicals and/or materials used within the area, referencing appropriate MSDS locations
☒		ii) Frequency and typical quantity of chemicals and/or materials stored in the area
☒		iii) Potential ways storm water discharges may be exposed to chemicals and/or materials
☒		iv) Likelihood of the chemicals and/or materials to come into contact with storm water
☒		**7.** Plan contains a narrative description of existing and planned management practices and measures to improve the quality of, or eliminate, storm water run-off leaving the facility property
		a) Descriptions have been created for all existing and/or historical areas identified as being a potential source of storm water exposure to pollutants, including those areas listed in the graphical representation required by the SWP3. The description includes:
☒	☐	i) Existing and planned structural and nonstructural control practices and measures for EACH area
☐	☒	ii) Any treatment the storm water receives prior to leaving the facility property or entering a water of the state
☒	☐	iii) Ultimate disposal of any solid or fluid wastes collected in structural control measures
☒	☐	b) Specific control practices and measures are utilized, and include:
☐	☒	i) Identification of areas which have a high potential for significant soil erosion, including implementation of erosion control measures
☐	☒	ii) Plan created to reduce exposure of storm water to storage piles of sand, salt, or other commercial/industrial materials
☐	☒	iii) Storage piles of sand, salt, or other commercial/industrial materials are stored in a manner to reduce the potential for polluted storm water run-off
☒		c) The facility has a written preventative maintenance program
☒		i) Implementation of good housekeeping practices to reduce the potential for storm water contact with pollutants
☒	☐	ii) Documentation of storm water control measure maintenance
☒	☐	iii) Documentation of the inspection and testing of facility equipment and systems that have potential exposure to storm water
☒		iv) Documentation of quarterly storm water control measure inspections
☒		v) Documentation of quarterly storm water run-off conveyances inspections
☒		vi) Documentation of annual training for all employees that have the potential to engage in industrial activities that impact storm water quality
☒		d) The facility has a written spill response program
☒	☐	i) Location, description, and quantity of all response materials and equipment
☒		ii) Response procedures for facility personnel
☒		iii) Contact information for reporting spills, both for facility staff and external emergency response entities
☒		e) The facility has a written nonstorm water assessment program
☒		i) Certification letter stating that storm water discharges from the facility property or entering a water of the state have been evaluated for the presence of illicit discharges and non-storm water contributions
☒	☐	ii) Detergent or solvent-based washing of equipment or vehicles that would allow washwater additives to enter any storm drainage system or receiving water shall not be allowed at the facility, and the corrective action is documented in the written nonstorm water assessment program
☒	☐	iii) Maintenance area floor drains with the potential for maintenance fluids or other materials to enter storm sewers are sealed, connected to a sanitary sewer with prior authorization, or the discharge is permitted under an appropriate NPDES wastewater permit, and the corrective action is documented in the written nonstorm water assessment program
☒		iv) For conducting the nonstorm water assessment, a description of the method used, the date of any testing, and the on-site drainage points that were directly observed during a test
☒		**8.** Plan contains the analytical results of run-off monitoring
☒		a) Monitoring data includes field data sheets, chain-of-custody forms, and laboratory results
☐	☒	b) Comparison created after the results of two sample monitoring events is available
☐	☒	i) Pollutant investigated when reductions are not indicated in the comparison, where appropriate
☐	☐	ii) Practices and/or measures implemented as a result of the investigation are documented
☒	☐	**9.** If applicable, plan references other facility pertinent plans (e.g. Operations and Maintenance, Spill Prevention Control and Countermeasures, or Risk Contingency Plans)
☒		**10.** Plan has been certified by a qualified professional
☒		**11.** Plan is retained and available at the facility
☒		**12.** Plan has been completed and implemented 365 days after submission of a timely-submitted NOI letter, or prior to initiation of operations at the facility

[3] Spill or leak history shall date back for a period of three (3) years from the date of the NOI letter, in the identified area, for materials spilled outside of secondary containment structures and impervious surfaces in excess of their reportable quantity. In subsequent permit terms, the history shall date back for a period of five (5) years from the date of the NOI letter.

PART C: GENERAL INFORMATION REGARDING THE SWP3

- The SWP3 must be reviewed periodically for changes and improvements at the facility. As a minimum, this review should be conducted annually.
  - The dates of all SWP3 reviews should be documented in the SWP3.
  - As changes and improvements to the original SWP3 are made, the SWP3 must be updated, and retained and available at the facility.
- The SWP3 checklist shall be completed and submitted to IDEM:
  - Within 365 days after submission of an initial, renewal, or amended NOI letter; or
  - Upon the written or verbal request of an IDEM representative.

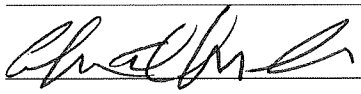
PART D: CERTIFICATION AND SIGNATURE

- Make sure you have completed all appropriate sections of this SWP3 checklist. Sign and date the bottom of this form and return it to the address shown on page one (1) of this SWP3 checklist.
- All information requested in this SWP3 checklist is MANDATORY, unless noted otherwise, for the administration and processing of your permit pursuant to 327 IAC 15-6. All data received will be regarded as a public record.

► The person referenced in PART A, Item #10 of this form (Qualified Professional) must sign the following certification statement:

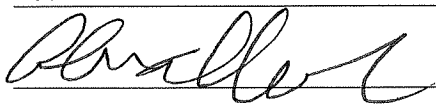
"By signing this SWP3 checklist, I hereby certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Type or print Qualified Professional Name: Calvin Thomas Jr

Signature of Qualified Professional: 

Date: 05/28/2019 *(mm/dd/year)*

Type or print Responsible Individual Name: Calvin Thomas Jr

Signature of Responsible Individual: 

Date: 05/28/2019 *(mm/dd/year)*

RULE 6 INDUSTRIAL STORM WATER GENERAL PERMIT - ANNUAL REPORT

State Form 54185 (12- 09)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

- This form must contain information obtained during the previous year of regulation and, for the first submittal, be submitted no later than three hundred sixty-five (365) days from the initial NOI submittal date or the expiration date of the previous five (5) year permit term.
- Subsequent annual report submittals shall be provided no later than three hundred sixty-five (365) days from the previous report in years two (2) through five (5).

For questions regarding this form, contact:

IDEM – Rule 6 Coordinator
100 North Senate Avenue, Room 1255
Mail Code 65-42
Indianapolis, IN 46204

Phone: (317) 233-0202 or
(800) 451-6027, ext. 30202 (within Indiana)

Web Access:
www.idem.IN.gov/4901.htm

PART A: GENERAL PERMIT INFORMATION

1. Facility name PVS Steel Services Burns Harbor	2. Facility Permit Number INRM02220	
3. Facility address 1111 North State Road 149		
4. City Burns Harbor	5. County Porter	6. ZIP code 46304
7. Facility contact person Calvin Thomas Jr		
8. Facility contact phone (219) 763-1199 ext. 1507	9. E-mail cthomas@pvschemicals.com	

PART B: GENERAL ANNUAL REPORT INFORMATION

10. Were there any changes to the original Notice of Intent letter?	☐ Yes ☒ No
If yes, have these changes been:	
11. Made to the on-site Storm Water Pollution Prevention Plan (SWP3)	☐ Yes ☒ No ☐ N/A
12. Submitted to the Department in an amended Notice of Intent Form?	☐ Yes ☒ No ☐ N/A
13. Were there any changes to the facility?	☐ Yes ☒ No
14. If yes to question 13, have these changes been included in an amended SWP3?	☐ Yes ☐ No ☒ N/A
15. Were there any changes to the facility operations?	☐ Yes ☒ No
16. Were there any additional potential source pollutants?	☐ Yes ☒ No
17. Were there any changes to the facility's industrial activities?	☐ Yes ☒ No
18. If yes to questions 15, 16, or 17 was the SWP3 updated to reflect the facility's changes?	☐ Yes ☐ No ☒ N/A
19. Is there a comparison of sampling data results included in the SWP3 or a reference in the SWP3 to the on-site location where the information is stored? Please include this information in Part D below.	☒ Yes ☐ No
20. Were there any additional Best Management Practices implemented or corrective measures taken, as a result of sampling data analysis?	☐ Yes ☒ No
21. If yes to question 20, please list any measures or additional practices implemented	
22. Are good housekeeping practices inspected regularly?	☒ Yes ☐ No

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PART C: QUARTERLY VISUAL INSPECTIONS

23. Quarterly visual inspections of each storm water management measures and storm water run-off conveyances are required. Below, please list the location of the quarterly inspection (for example outfall number) and the date each outfall was inspected in the previous permit year. If you have more than five (5) locations/outfalls, please include that information in an attachment.

Location of Quarterly Inspection:	Date of Quarterly Inspection			
	Quarter 1	Quarter 2	Quarter 3	Quarter 4
01A	March 15, 2017	June 8, 2017	September 3, 2017	November 10, 2017
01A	February 27, 2018	April 25, 2018	August 14, 2018	November 8 2018

PART D: COMPARISON TABLE OF SAMPLING RESULTS

24. A comparison of all sampling data results should be submitted in the box below. Any additional parameter analyzed should be included in the comparison. Write the constituent name in the extra blank boxes below the required eight parameters. Any additional comments can be included in the comments box.

PARAMETER	YEAR 1 RESULT	YEAR 2 RESULT	YEAR 3 RESULT	YEAR 4 RESULT	YEAR 5 RESULT
Oil and Grease (mg/l)	ND	ND			
CBOD5 (mg/l)	2.4	2.5			
COD (mg/l)	48	28			
TSS (mg/l)	8.5	23			
TKN (mg/l)	1.1	0.78			
Total Phosphorus (mg/l)	ND	ND			
pH	8.73	6.97			
Nitrate-Nitrite Nitrogen (mg/l)	ND	ND			

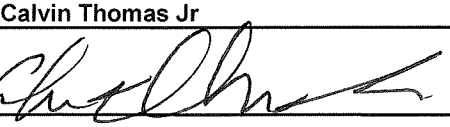
Additional Comments

PART E: CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of responsible corporate officer or duly authorized representative under 327 IAC 15-4-3(g)

Print Name **Calvin Thomas Jr** Title **EHS Manager**

Signature  Date (*month, day, year*) **May 28, 2019**

RULE 6 INDUSTRIAL STORM WATER GENERAL PERMIT – STORM WATER DISCHARGE MONITORING REPORT

State Form 53590 (R /12-09)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Rule 6 Coordinator
100 North Senate Avenue,
Mail Code 65-42, Room 1255
Indianapolis, IN 46204-2251
Telephone (317) 233-0202
Toll free (800) 451-6027*(within Indiana)*, ext. 30202
www.idem.IN.gov

Web Access: www.IN.gov/idem/4901.htm

MONITORING REQUIREMENTS

- **YEAR ONE** (1) - 327 IAC 15-6-7.3 This form must be submitted within one (1) year of the original or renewal NOI letter submittal and prior to implementation of the "Storm Water Pollution Prevention Plan." A permitted facility shall sample and analyze the discharge from the outfall(s) identified in the approved NOI letter.
- YEARS TWO (2) through Five (5) - Subsequent annual sampling data shall be provided no later than three hundred sixty-five (365) days from submittal of the previous report in years Two (2) through Five (5).
- There should be a minimum of at least three (3) months between reported sampling events.
- Samples shall be taken from a storm event. Run-off resulting from snow or ice melt should not be used to meet the annual monitoring requirements.
- Attachments – Submit a complete copy of the laboratory report, including chain-of-custody.
- Please submit this form and attachments to IDEM at the address in the box in the upper right hand corner of this form within thirty (30) days after laboratory analyses have been completed.

PART A: PERMIT INFORMAION

1. Facility permit number	INRM0222 0	2. Facility name	PVS Steel Services Burns Harbor
3. Facility address *(number and street)*	1111 North State Road 149		
4. City Burns Harbor		5. ZIP code 46304	6. County Porter
7. Contact Person	Calvin Thomas Jr		
8. Contact telephone number (219) 763 – 1199		9. E-mail address cthomas@pvschemicals.com	

PART B: GENERAL MONITORING SAMPLE INFORMATION

10. Sample Year *(permit year)*	☐ Year 1	☒ Year 2	☐ Year 3	☐ Year 4	☐ Year 5
11. Laboratory completing the analysis	Microbac Laboratories				
12. Date laboratory analysis was completed (*month, day, year*)	May/13/2019				
13. The laboratory report, including the Chain-of Custody has been attached to this submittal ☒ Yes ☐ No					

PART C: FIELD SAMPLING DATA

Insert Field Data Sheet Information

14. Person collecting sample	Calvin Thomas
15. Outfall(s) sampled	01A
16. Description of outfall	Retention Pond
17. Date of sample collection *(month, day, year)*	May/02/2019
18. Start of discharge *(date and time)*	May/02/2019 10 : 30AM
19. Duration of storm event	6.15 hours
20. Total rainfall *(in inches)*	0.32 inches
21. Number of hours between the start of storm measured and end of the previous measurable storm event:	>72 hours

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MAY 31 2019
IDEM/OWQ

PART D: MONITORING RESULTS

Parameters	Field pH	O &G (mg/L)	CBOD5 (mg/L)	COD (mg/L)	TSS (mg/L)	TKN (mg/L)	Phosphorous, Total (mg/L)	Nitrate-Nitrite Nitrogen (mg/L)
22. Outfall 01A					23. Time sample was collected 3:12 PM			
24. Results	8.73	ND	2.4	48	8.5	1.1	ND	ND
25. Outfall 01A					26. Time sample was collected 10:35AM			
27. Results	6.97	ND	2.5	28	23	0.78	ND	ND
28. Outfall					29. Time sample was collected			
30. Results								
31. Outfall					32. Time sample was collected			
33. Results								
34. Outfall					35. Time sample was collected			
36. Results								

37. Are there any additional results or pollutants sampled for, not listed above, and included in the laboratory analysis report?	☐ Yes, additional pollutants were sampled and are included in the laboratory report. ☒ No, additional pollutants were not sampled for.

PART E: CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of responsible corporate officer or duly authorized representative under 327 IAC 15-4-3(g).

Signature _____ Date *(month, day, year)* May 28th, 2019

MICROBAC®

May 13, 2019

PVS Steel Services
1111 North State Road 149
Burns Harbor, IN 46304-

Work Order No.: 19E0147

Re: Storm Water

Dear Calvin Thomas:

Microbac Laboratories, Inc. - Chicagoland Division received 1 sample(s) on 5/2/2019 10:30:00AM for the analyses presented in the following report as Work Order 19E0147.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please contact your project manager. For any feedback, please contact Ron Misiunas, Division Manager, at ron.misiunas@microbac.com.

Sincerely,
Microbac Laboratories, Inc.

Carey Gadzala
Project Manager

MICROBAC®

WORK ORDER SAMPLE SUMMARY

Date: *Monday, May 13, 2019*

Client: PVS Steel Services
Project: Storm Water
Lab Order: 19E0147

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
19E0147-01	Stormwater Outfall		05/02/2019 10:30	5/2/2019 10:30:00AM

MICROBAC®

Analytical Results

Date: *Monday, May 13, 2019*

Client: PVS Steel Services
Client Project: Storm Water
Client Sample ID: Stormwater Outfall
Sample Description:
Matrix: Aqueous

Work Order/ID: 19E0147-01
Sampled: 05/02/2019 10:30
Received: 05/02/2019 10:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
Oil & Grease (HEM) by SPE			Method: **EPA 1664B** Prep Method: **EPA 1664B**					Analyst: **KMT** Prep Date/Time: **05/08/2019 07:44**
Oil & Grease (HEM)	dij	A	***ND***	5.0		mg/L	1	05/08/2019 14:15
Carbonaceous Biochemical Oxygen Demand			Method: **SM 5210 B-2001** Prep Method: **SM-5210 B-2001**					Analyst: **EF** Prep Date/Time: **05/02/2019 16:11**
Carbonaceous Biochemical Oxygen Demar	dij	A	***2.5***	2.0		mg/L	1	05/07/2019 20:24
Chemical Oxygen Demand			Method: **EPA 410.4 Rev 2.0** Prep Method: **EPA 410.4 Rev 2.0**					Analyst: **AMR** Prep Date/Time: **05/07/2019 08:22**
Chemical Oxygen Demand	di	A	***28***	10		mg/L	1	05/07/2019 11:00
Nitrate-Nitrite as N			Method: **EPA 353.2 Rev 2.0** Prep Method: **EPA 353.2 Rev 2.0**					Analyst: **ABG** Prep Date/Time: **05/10/2019 08:21**
Nitrogen, Nitrate-Nitrite (as N)	di	A	***ND***	0.10		mg/L	1	05/10/2019 11:16
Total Phosphorus as P			Method: **EPA 365.1 Rev 2.0** Prep Method: **EPA 365.1 Rev 2.0**					Analyst: **ABG** Prep Date/Time: **05/06/2019 08:11**
Phosphorus, Total (As P)	dij	A	***ND***	0.200		mg/L	1	05/07/2019 10:52
pH			Method: **SW-846 9045D** Prep Method: **SW-846 9045D**					Analyst: **DAT** Prep Date/Time: **05/06/2019 10:21**
pH	di	A	***6.97***	2.00	H4	pH at 25°C	1	05/06/2019 10:21
Total Kjeldahl Nitrogen as N			Method: **EPA 351.2 Rev 2.0** Prep Method: **EPA 351.2 Rev 2.0**					Analyst: **ABG** Prep Date/Time: **05/09/2019 09:17**
Nitrogen, Kjeldahl, Total	idj	A	***0.78***	0.50		mg/L	1	05/13/2019 14:02
Total Suspended Solids			Method: **SM 2540 D-1997** Prep Method: **SM 2540 D-1997**					Analyst: **KMT** Prep Date/Time: **05/07/2019 12:58**
Total Suspended Solids	dij	A	***23***	1.0		mg/L	1	05/08/2019 9:45

ANALYTE TYPES: (AT)

A,B = Target Analyte
I = Internal Standard
M = Summation Analyte
S = Surrogate
T = Tentatively Identified Compound (TIC, concentration estimated)

QC SAMPLE IDENTIFICATIONS

BLK = Method Blank
DUP = Method Duplicate
BS = Method Blank Spike
MS = Matrix Spike
ICB = Initial Calibration Blank
CCB = Continuing Calibration Blank
CRL = Client Required Reporting Limit
PDS = Post Digestion Spike
QCS = Quality Control Standard
ICSA = Interference Check Standard "A"
ICSAB = Interference Check Standard "AB"
BSD = Method Blank Spike Duplicate
MSD = Matrix Spike Duplicate
ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification
OPR = Ongoing Precision and Recovery Standard
SD = Serial Dilution

CERTIFICATIONS (Certs)

Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.

[d] Illinois EPA drinking water, wastewater and solid waste analysis (#200064)
[i] Kansas Dept Health & Env. NELAP (#E-10397)
[j] Kentucky Wastewater Laboratory Certification Program (#90147)

FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)

H4:	The test was performed outside of the EPA recommended holding time of 15 minutes.
RL:	Reporting Limit
RPD:	Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 13.9°C

MICROBAC®

Cooler Inspection Checklist

Ice Present or not required?	No
Shipping containers sealed or not required?	Yes
Custody seals intact or not required?	Yes
Chain of Custody (COC) Present?	Yes
COC includes customer information?	Yes
Relinquished and received signature on COC?	Yes
Sample collector identified on COC?	Yes
Sample type identified on COC?	Yes
Correct type of Containers Received	Yes
Correct number of containers listed on COC?	Yes
Containers Intact?	Yes
COC includes requested analyses?	Yes
Enough sample volume for indicated tests received?	Yes
Sample labels match COC (Name, Date & Time?)	Yes
Samples arrived within hold time?	Yes
Correct preservatives on COC or not required?	Yes
Chemical preservations checked or not required?	Yes
Preservation checks meet method requirements?	Yes
VOA vials have zero headspace, or not recd.?	Yes

Microbac

Samples Submitted to: [x] 250 West 84th Drive, Merrillville, IN 46410, Tel: 219-769-8378, Fax: 219-769-1664 | [ ] 5713 West 85th Street, Indianapolis, IN 46278, Tel: 317-872-1375, Fax: 317-872-1379

Chain of Custody Record

Number Magnetics Int'l

Instructions on back

9E0147 Carey Gadzala
PVS Steel Services - Burns Harbor, IN
Storm Water
05/02/2019

e Magnetics International PVS	Project Stormwater Outfall	**Turnaround Time**	**Report Type**
1111 North State Road 149	Location Stormwater Retention Pond	[X] Routine (7 working days)	[X] Results Only [ ] Level II
Zip Burns Harbor, IN 46304	PO #	[ ] RUSH* (notify lab)	[ ] Level III [ ] Level III CLP-like
Franz Mullings	Compliance Monitoring? [X] Yes [ ] No	_____ (needed by)	[ ] Level IV [ ] Level IV CLP-like
# (219) 763-3106	(1)Agency/Program IDEM		[ ] EDD

/ (PRINT) Calvin C Thomas Jr Sampler Signature _____ Sampler Phone # 219-617-3040

rt via [ ] Mail [ ] Telephone [ ] Fax (fax #) _____ [ ] e-mail (address) _____

* **Matrix Types:** Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

eservative Types: (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses → Preservative Types **	CBOD / TSS / ~~Fld pH~~	COD / TKN	Oil and Grease	Fld Labor/Mob	N2N3 / TPhos	pH			For Lab Use Only
																	9E0147
Stormwater Outfall	WW	X		N	5-2-19	10:30AM	2	U	X			X		X			-01
	WW	X		N	↓	↓	2	2		X			X				|
	WW	X		N	↓	↓	2	2			X						|

Possible Hazard Identification [ ] Hazardous [X] Non-Hazardous [ ] Radioactive Sample Disposition [X] Dispose as appropriate [ ] Return [ ] Archive

Comments	Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
Please email new COC when revised. Thank you. See business card for information		5-2-19 / 1225		
	Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
	Relinquished By (signature)	Date/Time	Received for Lab By (signature)	Date/Time 5-2-19/1225
Sample temperature upon receipt in degrees C = NI 14-4-0-5 = 13.9°C				

Stormwater Sampling Event Data Needed:

For Grab Samples: PVS Steel Services Burns Harbor, Burns Harbor, IN.

1) Time and Date Rainfall Started: 5/02/19 @ 10:15AM
   Source of information: Weather Underground Website

2) Time and Date Discharge: 10:30 PM
   Source of information: visual observation

3) Time and Date Sample Taken: 5/02/19 @ 10:35AM

4) Time and Date Rainfall Ended: 5/02/19 @ 3:45PM
   Source of information: Weather Underground Website

5) StormEvent Rainfall in Inches: 0.32
   Source of information: Weather Underground Website

6) Date of Last Rain Event (>0.1") >72 hrs.
   Source of information: Weather Underground Website

April 5, 2022

IDEM Rule 6 Coordinator
100 North Senate Avenue Room 1255
Mail Code 65-42
Indianapolis, IN 46204-2251

PVS CHEMICALS
10900 HARPER AVE
DETROIT, MI 48213

Subject: PVS Steel Services Annual Industrial Stormwater report (Permit INRM02220)

Enclosed is the PVS Steel Services Industrial Stormwater Annual Report for PVS Steel Services Burns Harbor for Year 4 of the permit (2020).

If you have any additional questions regarding this document, please feel free to contact me at (219) 763-1199 ext. 1132.

Sincerely,

Erhan Duvarci
Plant Manager

RULE 6 INDUSTRIAL STORM WATER GENERAL PERMIT - ANNUAL REPORT

State Form 54185 (12- 09)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

- This form must contain information obtained during the previous year of regulation and, for the first submittal, be submitted no later than three hundred sixty-five (365) days from the initial NOI submittal date or the expiration date of the previous five (5) year permit term.
- Subsequent annual report submittals shall be provided no later than three hundred sixty-five (365) days from the previous report in years two (2) through five (5).

For questions regarding this form, contact:

IDEM – Rule 6 Coordinator
100 North Senate Avenue, Room 1255
Mail Code 65-42
Indianapolis, IN 46204

Phone: (317) 233-0202 or
(800) 451-6027, ext. 30202 (within Indiana)

Web Access:
www.idem.IN.gov/4901.htm

PART A: GENERAL PERMIT INFORMATION

1. Facility name PVS Steel Services, Inc	2. Facility Permit Number INRM02220	
3. Facility address 1111 North State Road 149		
4. City Burns Harbor	5. County Porter	6. ZIP code 46304
7. Facility contact person Erhan Duvarci		
8. Facility contact phone (219) 763-1199	9. E-mail eduvarci@pvschemicals.com	

PART B: GENERAL ANNUAL REPORT INFORMATION

10. Were there any changes to the original Notice of Intent letter?	☐ Yes ☒ No
If yes, have these changes been:	
11. Made to the on-site Storm Water Pollution Prevention Plan (SWP3)	☐ Yes ☐ No ☒ N/A
12. Submitted to the Department in an amended Notice of Intent Form?	☐ Yes ☐ No ☒ N/A
13. Were there any changes to the facility?	☐ Yes ☒ No
14. If yes to question 13, have these changes been included in an amended SWP3?	☐ Yes ☐ No ☒ N/A
15. Were there any changes to the facility operations?	☐ Yes ☒ No
16. Were there any additional potential source pollutants?	☐ Yes ☒ No
17. Were there any changes to the facility's industrial activities?	☐ Yes ☒ No
18. If yes to questions 15, 16, or 17 was the SWP3 updated to reflect the facility's changes?	☐ Yes ☐ No ☒ N/A
19. Is there a comparison of sampling data results included in the SWP3 or a reference in the SWP3 to the on-site location where the information is stored? Please include this information in Part D below.	☐ Yes ☒ No
20. Were there any additional Best Management Practices implemented or corrective measures taken, as a result of sampling data analysis?	☐ Yes ☒ No
21. If yes to question 20, please list any measures or additional practices implemented NA	
22. Are good housekeeping practices inspected regularly?	☒ Yes ☐ No

PART C: QUARTERLY VISUAL INSPECTIONS

23. Quarterly visual inspections of each storm water management measures and storm water run-off conveyances are required. Below, please list the location of the quarterly inspection (for example outfall number) and the date each outfall was inspected in the previous permit year. If you have more than five (5) locations/outfalls, please include that information in an attachment.

Location of Quarterly Inspection:	Date of Quarterly Inspection			
	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Stormwater detention pond	9/9/2020	11/11/2020	2/11/2021	4/15/2021

PART D: COMPARISON TABLE OF SAMPLING RESULTS

24. A comparison of all sampling data results should be submitted in the box below. Any additional parameter analyzed should be included in the comparison. Write the constituent name in the extra blank boxes below the required eight parameters. Any additional comments can be included in the comments box.

PARAMETER	YEAR 1 RESULT	YEAR 2 RESULT	YEAR 3 RESULT	YEAR 4 RESULT	YEAR 5 RESULT
Oil and Grease (mg/l)	ND	ND		ND	
CBOD5 (mg/l)	2.4	2.5		7.4	
COD (mg/l)	48	28		71	
TSS (mg/l)	8.5	23		23	
TKN (mg/l)	1.1	0.78		3.0	
Total Phosphorus (mg/l)	ND	ND		0.23	
pH	8.7	6.97		7.0	
Nitrate-Nitrite Nitrogen (mg/l)	ND	ND		ND	
Aluminum				0.97	
Iron				1.6	

Additional Comments

PART E: CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of responsible corporate officer or duly authorized representative under 327 IAC 15-4-3(g)

Print Name Erhan Duvarci Title Plant Manager

Signature Erhan Duvarci Date (*month, day, year*) 4-5-2022

RULE 6 INDUSTRIAL STORM WATER GENERAL PERMIT – STORM WATER DISCHARGE MONITORING REPORT

State Form 53590 (R /12-09)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Rule 6 Coordinator
100 North Senate Avenue,
Mail Code 65-42, Room 1255
Indianapolis, IN 46204-2251
Telephone (317) 233-0202
Toll free (800) 451-6027*(within Indiana)*, ext. 30202
www.idem.IN.gov

Web Access: www.IN.gov/idem/4901.htm

MONITORING REQUIREMENTS

- **YEAR ONE** (1) - 327 IAC 15-6-7.3 This form must be submitted within one (1) year of the original or renewal NOI letter submittal and prior to implementation of the "Storm Water Pollution Prevention Plan." A permitted facility shall sample and analyze the discharge from the outfall(s) identified in the approved NOI letter.
- YEARS TWO (2) through Five (5) - Subsequent annual sampling data shall be provided no later than three hundred sixty-five (365) days from submittal of the previous report in years Two (2) through Five (5).
- There should be a minimum of at least three (3) months between reported sampling events.
- Samples shall be taken from a storm event. Run-off resulting from snow or ice melt should not be used to meet the annual monitoring requirements.
- Attachments – Submit a complete copy of the laboratory report, including chain-of-custody.
- Please submit this form and attachments to IDEM at the address in the box in the upper right hand corner of this form within thirty (30) days after laboratory analyses have been completed.

PART A: PERMIT INFORMAION

1. Facility permit number	INRM02220	2. Facility name	P V S S t e e l S e r v i c e s ,
3. Facility address *(number and street)*	1111 North State Road 149		
4. City Burns Harbor		5. ZIP code 46304	6. County Porter
7. Contact Person	Erhan Duvarci		
8. Contact telephone number (219) 763 - 1199		9. E-mail address eduvarci@pvschemicals.com	

PART B: GENERAL MONITORING SAMPLE INFORMATION

10. Sample Year *(permit year)*	☐ Year 1	☐ Year 2	☐ Year 3	☒ Year 4	☐ Year 5
11. Laboratory completing the analysis	Microbac				
12. Date laboratory analysis was completed *(month, day, year)*	03/18/2021				
13. The laboratory report, including the Chain-of Custody has been attached to this submittal ☒ Yes ☐ No					

PART C: FIELD SAMPLING DATA

Insert Field Data Sheet Information

14. Person collecting sample	Ryans Harter
15. Outfall(s) sampled	01
16. Description of outfall	Culvert discharging to Gustufson Ditch
17. Date of sample collection *(month, day, year)*	03/10/2021
18. Start of discharge *(date and time)*	03/10/2021 9 : 30
19. Duration of storm event	_____ hours
20. Total rainfall *(in inches)*	_____ inches
21. Number of hours between the start of storm measured and end of the previous measurable storm event:	_____ hours

PART D: MONITORING RESULTS

Parameters	Field pH	O &G (mg/L)	CBOD5 (mg/L)	COD (mg/L)	TSS (mg/L)	TKN (mg/L)	Phosphorous, Total (mg/L)	Nitrate-Nitrite Nitrogen (mg/L)
22. Outfall 01					23. Time sample was collected 3:05			
24. Results	7.0	ND	7.4	71	23	3.0	0.23	ND
25. Outfall					26. Time sample was collected			
27. Results								
28. Outfall					29. Time sample was collected			
30. Results								
31. Outfall					32. Time sample was collected			
33. Results								
34. Outfall					35. Time sample was collected			
36. Results								

37. Are there any additional results or pollutants sampled for, not listed above, and included in the laboratory analysis report?	☒ Yes, additional pollutants were sampled and are included in the laboratory report. ☐ No, additional pollutants were not sampled for.

PART E: CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of responsible corporate officer or duly authorized representative under 327 IAC 15-4-3(g).

Signature Ethan Lueke Date *(month, day, year)* 4-5-2022

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Microbac Laboratories, Inc. - Chicagoland

CERTIFICATE OF ANALYSIS

21C0625

Project Description

Storm Water Outfall

For:

Ryan Harter

PVS Steel Services

1111 North State Road 149

Burns Harbor, IN 46304-

Carey Gadzala

Carey Gadzala

Project Manager

Friday, March 19, 2021

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac Laboratories, Inc. - Chicagoland. If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed above.

I certify that all test results meet all of the requirements of the accrediting authority listed within this report. Analytical results are reported on a 'as received' basis unless specified otherwise. Analytical results for solids with units ending in (dry) are reported on a dry weight basis. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.

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Microbac Laboratories, Inc. - Chicagoland

CERTIFICATE OF ANALYSIS

21C0625

PVS Steel Services

Ryan Harter
1111 North State Road 149
Burns Harbor, IN 46304-

Project Name: Storm Water Outfall

Project / PO Number: N/A
Received: 03/10/2021
Reported: 03/19/2021

Sample Summary Report

Sample Name	Laboratory ID	Client Matrix	Sample Type	Sample Begin	Sample Taken	Lab Received
Stormwater Outfall	21C0625-01	Aqueous			03/10/21 09:30	03/10/21 12:20

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CERTIFICATE OF ANALYSIS

21C0625

Analytical Testing Parameters

Client Sample ID: Stormwater Outfall
Sample Matrix: Aqueous
Lab Sample ID: 21C0625-01
Collection Date: 03/10/2021 9:30

Inorganics Total	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 351.2 Rev 2.0/EPA 351.2, Rv. 2 (1993)								
Nitrogen, Kjeldahl, Total	**3.0**	0.50	mg/L	1	**M2**	03/16/21 0641	03/18/21 1041	ABG
EPA 353.2 Rev 2.0/EPA 353.2, Rv. 2 (1993)								
Nitrogen, Nitrate-Nitrite (as N)	<0.10	0.10	mg/L	1		03/18/21 0915	03/18/21 1225	ABG
EPA 365.1 Rev 2.0/EPA 365.1, Rv. 2 (1993)								
Phosphorus, Total (As P)	**0.226**	0.200	mg/L	1		03/11/21 0518	03/11/21 1055	ABG
EPA 410.4 Rev 2.0/EPA 410.4, Rv. 2 (1993)								
Chemical Oxygen Demand	**71**	10	mg/L	1		03/15/21 1852	03/16/21 0155	AMR
SM 2540 D-2011								
Total Suspended Solids	**23**	1.0	mg/L	2		03/11/21 0701	03/11/21 0845	JBS
SM 4500-H+ B-2011								
pH	**7.03**	2.00	S.U.	1	**H4**	03/16/21 1145	03/16/21 1211	DAT
SM-5210 B-2016/SM 5210 B-2016								
Carbonaceous Biochemical Oxygen Demand	**7.4**	2.0	mg/L	1		03/10/21 1614	03/15/21 2359	EF

n-Hexane Extractable Material by Gravametric	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 1664B/EPA 1664B								
Oil & Grease (HEM)	<5.0	5.0	mg/L	1		03/11/21 0655	03/11/21 1347	JBS

Metals Total by ICP	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 200.8, Rv. 5.4 (1994)								
Aluminum	**0.97**	0.025	mg/L	5		03/11/21 1006	03/15/21 1508	BTM
Antimony	<0.0010	0.0010	mg/L	1		03/11/21 1006	03/15/21 1513	BTM
Arsenic	<0.0010	0.0010	mg/L	1		03/11/21 1006	03/12/21 1541	BTM
Barium	**0.027**	0.0010	mg/L	1		03/11/21 1006	03/12/21 1541	BTM
Beryllium	<0.0010	0.0010	mg/L	1	**Q2**	03/11/21 1006	03/12/21 1541	BTM
Boron	**0.019**	0.0050	mg/L	1		03/11/21 1006	03/16/21 1150	BTM
Cadmium	<0.00050	0.00050	mg/L	1		03/11/21 1006	03/15/21 1513	BTM
Calcium	**20**	0.50	mg/L	5		03/11/21 1006	03/15/21 1508	BTM
Chromium	**0.0017**	0.0010	mg/L	1		03/11/21 1006	03/12/21 1541	BTM
Cobalt	<0.0010	0.0010	mg/L	1		03/11/21 1006	03/12/21 1541	BTM
Copper	**0.0037**	0.0010	mg/L	1		03/11/21 1006	03/15/21 1513	BTM
Iron	**1.6**	0.10	mg/L	1		03/11/21 1006	03/15/21 1513	BTM
Lead	**0.0016**	0.0010	mg/L	1		03/11/21 1006	03/12/21 1541	BTM
Magnesium	**6.1**	0.10	mg/L	1		03/11/21 1006	03/12/21 1541	BTM
Manganese	**0.24**	0.0010	mg/L	1		03/11/21 1006	03/12/21 1541	BTM
Molybdenum	<0.0010	0.0010	mg/L	1		03/11/21 1006	03/12/21 1541	BTM
Nickel	**0.0040**	0.0010	mg/L	1		03/11/21 1006	03/15/21 1513	BTM
Potassium	**7.0**	0.10	mg/L	1		03/11/21 1006	03/12/21 1541	BTM
Selenium	<0.0010	0.0010	mg/L	1		03/11/21 1006	03/12/21 1541	BTM

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Microbac Laboratories, Inc. - Chicagoland

CERTIFICATE OF ANALYSIS

21C0625

Client Sample ID:	Stormwater Outfall		
Sample Matrix:	Aqueous		
Lab Sample ID:	21C0625-01	**Collection Date:**	03/10/2021 9:30

Metals Total by ICP	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Silver	<0.0010	0.0010	mg/L	1		03/11/21 1006	03/15/21 1513	BTM
Sodium	**19**	0.50	mg/L	5		03/11/21 1006	03/15/21 1508	BTM
Thallium	<0.0010	0.0010	mg/L	1		03/11/21 1006	03/12/21 1541	BTM
Tin	<0.0010	0.0010	mg/L	1		03/11/21 1006	03/12/21 1541	BTM
Vanadium	<0.0050	0.0050	mg/L	1		03/11/21 1006	03/12/21 1541	BTM
Zinc	**0.082**	0.0020	mg/L	1		03/11/21 1006	03/12/21 1541	BTM
SW-846 7470/EPA 7470A								
Mercury	<0.00020	0.00020	mg/L	1		03/12/21 1104	03/12/21 1400	BTM

Definitions

DF:	Dilution Factor representing the amount the sample was diluted during analysis and may not represent preparation factors.
H4:	The test was performed outside of the EPA recommended holding time of 15 minutes.
M2:	Matrix spike recovery is outside of acceptance limits, biased low.
mg/L:	Milligrams per Liter
Q2:	LCS recovery is above acceptance limits. However there is no impact on the reported value.
RL:	Reporting Limit
S.U.:	Standard Units

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 7.7°C

Cooler Inspection Checklist

Ice Present or not required?	Yes	Shipping containers sealed or not required?	Yes
Custody seals intact or not required?	Yes	Chain of Custody (COC) Present?	Yes
COC includes customer information?	Yes	Relinquished and received signature on COC?	Yes
Sample collector identified on COC?	Yes	Sample type identified on COC?	Yes
Correct type of Containers Received	Yes	Correct number of containers listed on COC?	Yes
Containers Intact?	Yes	COC includes requested analyses?	Yes
Enough sample volume for indicated tests received?	Yes	Sample labels match COC (Name, Date & Time?)	Yes
Samples arrived within hold time?	Yes	Correct preservatives on COC or not required?	Yes
Chemical preservations checked or not required?	Yes	Preservation checks meet method requirements?	Yes
VOA vials have zero headspace, or not recd.?	Yes		

Report Comments

Reviewed and Approved By:

Carey Gadzala

Carey Gadzala
Project Manager
carey.gadzala@microbac.com
03/19/2021 15:35

Microbac

Samples Submitted to:
[x] 250 West 84th Drive, Merrillville, IN 46410, Tel: 219-769-8378, Fax: 219-769-1664
[ ] 5713 West 85th Street, Indianapolis, IN 46278, Tel: 317-872-1375, Fax: 317-872-1379

Chain of Custody Record

Number PVS

Instructions on back

21C0625
Carey Gadzala
PVS Steel Services - Burns Harbor, IN
Storm Water Outfall
03/10/2021

me PVS Steel Services	Project Stormwater Outfall	Turnaround Time	Report Type
1111 North State Road 149	Location Stormwater Retention Pond	[X] Routine (7 working days)	[X] Results Only [ ] Level II
e, Zip Burns Harbor, IN 46304	PO #	[ ] RUSH* (notify lab)	[ ] Level III [ ] Level III CLP-like
Calvin Thomas	Compliance Monitoring? [X] Yes [ ] No	(needed by)	[ ] Level IV [ ] Level IV CLP-like
e # (219) 763-3106	(1)Agency/Program IDEM		[ ] EDD

by (PRINT) Ryan Harter Sampler Signature Sampler Phone # 219-916-3003

port via [ ] Mail [ ] Telephone [ ] Fax (fax #) [ ] e-mail (address)

* **Matrix Types:** Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)
Preservative Types: (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses → Preservative Types **	CBOD / TSS / Fld pH	COD / TKN	Oil and Grease	Fld Labor/Mob	N2N3 / TPhos	Metals		For Lab Use Only
																21C0625
Stormwater Outfall	WW	X		N	3-10-21	0930	2	U	X			X				01
	WW	X		N			2	2		X			X			
	WW	X		N			2	2			X					
	WW	X		N			1	1						X		

Possible Hazard Identification [ ] Hazardous [X] Non-Hazardous [ ] Radioactive Sample Disposition [X] Dispose as appropriate [ ] Return [ ] Archive

Comments	Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
		3-10-21 11:40a.m		3-10-21 1140
IR#1 OI 7.7°C	Relinquished By (signature)	Date/Time 3-10-21 1220	Received By (signature)	Date/Time
Sample temperature upon receipt in degrees C =	Relinquished By (signature)	Date/Time	Received for Lab By (signature)	Date/Time 3/10/21 1220