

Application Type **New**  
 Facility Type **Industrial**  
 Major / Minor **Minor**

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

Application No. **PA0290106**  
 APS ID **1051002**  
 Authorization ID **1375060**

**Applicant and Facility Information**

Applicant Name	<u><b>Catalus Corporation</b></u>	Facility Name	<u><b>Catalus Corporation St. Marys Facility</b></u>
Applicant Address	<u>286 Piper Road</u> <u>St. Marys, PA 15857</u>	Facility Address	<u>286 Piper Road</u> <u>St. Marys, PA 15857</u>
Applicant Contact	<u>Chris Krieg</u> <u><a href="mailto:ckrieg@cataluscorp.com">ckrieg@cataluscorp.com</a></u>	Facility Contact	<u>Chris Krieg</u> <u><a href="mailto:ckrieg@cataluscorp.com">ckrieg@cataluscorp.com</a></u>
Applicant Phone	<u>(814) 435-6541, ext. 220</u>	Facility Phone	<u>(814) 435-6541, ext. 220</u>
Client ID	<u>250083</u>	Site ID	<u>851597</u>
SIC Code	<u>3499</u>	Municipality	<u>Saint Marys City</u>
SIC Description	<u>Manufacturing - Fabricated Metal Products, Nec</u>	County	<u>Elk County</u>
Date Application Received	<u>October 25, 2021</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>November 4, 2021</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>New NPDES Permit for a proposed emergency only discharge of non-contact cooling water (NCCW).</u>		

**Summary of Review**

Act 14 - Proof of Notification was submitted and received.

This facility is not subject to any ELGs.

A Part II Water Quality Management permit is not required at this time.

The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

**I. OTHER REQUIREMENTS:**

**SPECIAL CONDITIONS:** None

- A. Right of way
- B. Solids handling
- C. NPDES Permit Supersedes WQM Permits
- D. Modification or Revocation for changes to BAT or BCT
- E. Total Residual Chlorine (TRC) Optimization and Minimization
- F. Temperature
- G. No net addition of pollutants

There are no open violations in efacts associated with the subject Client ID (250083) as of 8/3/2022.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	8/3/2022
X		Adam J. Pesek (Lead Reviewer) Vacant / Environmental Engineer Manager	8/8/2022

**Discharge, Receiving Waters and Water Supply Information**

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.3</u>
Latitude	<u>41° 24' 31.00"</u>	Longitude	<u>-78° 30' 29.00"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Noncontact Cooling Water (NCCW)</u>			

Receiving Waters	<u>Hellfire Run (CWF, MF)</u>	Stream Code	<u>N/A</u>
NHD Com ID	<u>61430140</u>	RMI	<u>N/A</u>
Drainage Area	<u>-</u>	Yield (cfs/mi <sup>2</sup> )	<u>-</u>
Q <sub>7-10</sub> Flow (cfs)	<u>-</u>	Q <sub>7-10</sub> Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>8-A</u>	Chapter 93 Class.	<u>CWF, MF</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>

Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>-</u>		
Source(s) of Impairment	<u>-</u>		
TMDL Status	<u>Final, 2/27/2009*</u>	Name	<u>Bennett Branch Sinnemahoning Creek</u>

Background/Ambient Data	Data Source	
pH (SU)	<u>-</u>	<u>-</u>
Temperature (°F)	<u>-</u>	<u>-</u>
Hardness (mg/L)	<u>-</u>	<u>-</u>
Other:	<u>-</u>	<u>-</u>

Nearest Downstream Public Water Supply Intake	<u>Lycoming County Water and Sewer Authority</u>		
PWS Waters	<u>West Branch Susquehanna River</u>	Flow at Intake (cfs)	<u>621</u>
PWS RMI	<u>32.5</u>	Distance from Outfall (mi)	<u>120.0</u>

\* - Since the Bennett Branch Sinnemahoning Creek is over 10 miles downstream of this discharge, no AMD parameter monitoring will be added to this NPDES Permit at this time.

**Public Participation**

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the Pennsylvania Bulletin in accordance with 25 Pa. Code § 92a.82. Upon publication in the Pennsylvania Bulletin, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the Pennsylvania Bulletin at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

No modeling was performed since the discharge consists only of NCCW. The source water for the NCCW is from the City of St. Marys public water supply, which is monitored. The technology-based limits generally given for NCCW will protect the receiving stream.

This proposed discharge consists of stormwater that is certified as No Exposure, and an emergency discharge of one pass Non-Contact Cooling Water (NCCW) during power outages or cooling tower system failures. Consideration was given to the fact that normal flow will only consist of stormwater, while during an emergency, the flow could consist of stormwater and NCCW or just NCCW. Therefore, Outfall 001 was created as the sample point for the NCCW since this discharge is the only one that requires limits. A separate Outfall 002 was created for the stormwater as the sample point for the stormwater. However, since the stormwater is certified as No Exposure at this time, no monitoring is required.

Since this discharge is in the Chesapeake Bay Watershed, an evaluation of the Total Nitrogen and Total Phosphorus potential from this facility was performed. A determination was made, with the guidance of Zachary Steckler (see Attachment 1), that due to the sources of wastewater at this site, NCCW and stormwater, no monitoring or limits are needed for Total Nitrogen and Total Phosphorus at this time.

**Proposed Effluent Limitations and Monitoring Requirements**

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	2/discharge	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	2/discharge	Grab
Oil and Grease	XXX	XXX	XXX	15.0	XXX	30.0	2/discharge	Grab

Compliance Sampling Location: at Outfall 001 (emergency NCCW discharge), prior to mixing with stormwater or any other waters.

Flow is monitor only based on Chapter 92a.61. The limits for pH and Oil and Grease are technology-based on Chapter 95.2

**Discharge, Receiving Waters and Water Supply Information**

Outfall No.	<u>002</u>	Design Flow (MGD)	<u>0.0</u>
Latitude	<u>41° 24' 31.00"</u>	Longitude	<u>-78° 30' 29.00"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Stormwater</u>			

Receiving Waters	<u>Hellfire Run (CWF, MF)</u>	Stream Code	<u>N/A</u>
NHD Com ID	<u>61430140</u>	RMI	<u>N/A</u>
Drainage Area	<u>-</u>	Yield (cfs/mi <sup>2</sup> )	<u>-</u>
Q <sub>7-10</sub> Flow (cfs)	<u>-</u>	Q <sub>7-10</sub> Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>8-A</u>	Chapter 93 Class.	<u>CWF, MF</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>-</u>		
Source(s) of Impairment	<u>-</u>		
TMDL Status	<u>Final, 2/27/2009*</u>	Name	<u>Bennett Branch Sinnemahoning Creek</u>

Background/Ambient Data		Data Source
pH (SU)	<u>-</u>	<u>-</u>
Temperature (°F)	<u>-</u>	<u>-</u>
Hardness (mg/L)	<u>-</u>	<u>-</u>
Other:	<u>-</u>	<u>-</u>

Nearest Downstream Public Water Supply Intake	<u>Lycoming County Water and Sewer Authority</u>		
PWS Waters	<u>West Branch Susquehanna River</u>	Flow at Intake (cfs)	<u>621</u>
PWS RMI	<u>32.5</u>	Distance from Outfall (mi)	<u>120.0</u>

\* - Since the Bennett Branch Sinnemahoning Creek is over 10 miles downstream of this discharge, no AMD parameter monitoring will be added to this NPDES Permit at this time.

Outfall 002 consists only of stormwater that qualifies under a No Exposure Certification.

Attachment 1

**RE: New NCCW and No Exposure SW from the NW Region to the Chesapeake Bay**

**Steckler, Zachary <zsteckler@pa.gov>**

Thu 7/28/2022 10:43 AM

To: McCauley, Stephen <smccauley@pa.gov>

Cc: Dickey, Justin <judickey@pa.gov>; Schumack, Maria <maschumack@pa.gov>; Hawley, Harmonie <hhawley@pa.gov>

All of the Part C language for the Bay is in regard to monitoring, reporting, and compliance with nutrient limits in Part A. So, no you would not need to include that in the permit.

**Zachary Steckler, E.I.T.** | Project Manager  
Department of Environmental Protection | RCSOB  
Bureau of Clean Water | NPDES Permitting Division  
P.O. Box 8774 | Harrisburg, PA 17105-8774  
Phone: 717.787.4003 | Fax: 717.772.5156  
[www.dep.pa.gov](http://www.dep.pa.gov)

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**From:** McCauley, Stephen <smccauley@pa.gov>

**Sent:** Thursday, July 28, 2022 10:23 AM

**To:** Steckler, Zachary <zsteckler@pa.gov>

**Cc:** Dickey, Justin <judickey@pa.gov>; Schumack, Maria <maschumack@pa.gov>; Hawley, Harmonie <hhawley@pa.gov>

**Subject:** Re: New NCCW and No Exposure SW from the NW Region to the Chesapeake Bay

No wastewater from the metal processes will be discharged.

Do I need to use any of the Bay language in the NPDES Permit, or is documenting no monitoring for TN and TP in the Fact Sheet sufficient?

**Stephen A. McCauley, E.I.T.** | Environmental Engineering Specialist  
Department of Environmental Protection  
Clean Water Program | Northwest Regional Office  
230 Chestnut Street | Meadville, PA 16335  
Phone: 814-332-6136 | Fax: 814-332-6121  
[www.dep.pa.gov](http://www.dep.pa.gov)

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**From:** Steckler, Zachary <zsteckler@pa.gov>

**Sent:** Thursday, July 28, 2022 10:17 AM

**To:** McCauley, Stephen <smccauley@pa.gov>

**Cc:** Dickey, Justin <judickey@pa.gov>; Schumack, Maria <maschumack@pa.gov>; Hawley, Harmonie <hhawley@pa.gov>

**Subject:** RE: New NCCW and No Exposure SW from the NW Region to the Chesapeake Bay

Stephen,

Is the facility discharging any wastewater from the metal finishing processes? If the NCCW is the only wastewater present, and if there is no reason to suspect the presence of N or P in the NCCW discharge, then I don't think that outfall would need to include monitoring for N and P. The same is true for the stormwater. If there is no reason to

suspect the introduction of N or P (I would think not if it is no exposure) based on the application, then the permit does not need to include monitoring requirements. If they are not monitoring for N and P, then the permit does not need to include Cap Loads at this time. Let me know if you have any other questions.

Zach

**Zachary Steckler, E.I.T.** | Project Manager  
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**From:** McCauley, Stephen <[smccauley@pa.gov](mailto:smccauley@pa.gov)>  
**Sent:** Thursday, July 28, 2022 8:41 AM  
**To:** Schumack, Maria <[maschumack@pa.gov](mailto:maschumack@pa.gov)>; Steckler, Zachary <[zsteckler@pa.gov](mailto:zsteckler@pa.gov)>  
**Cc:** Dickey, Justin <[judickey@pa.gov](mailto:judickey@pa.gov)>  
**Subject:** New NCCW and No Exposure SW from the NW Region to the Chesapeake Bay

I have a new NPDES Permit for a facility that will discharge emergency NCCW (from the City of St. Marys public water supply), and No Exposure stormwater from the NW Region to the Chesapeake Bay. I wanted to verify what is needed for this permit.

The Phase 3 Watershed Implementation Plan Wastewater Supplement (rev. July 25, 2022) mentions that for non-significant IW facilities:

In general, facilities that discharge groundwater and cooling water with no addition of chemicals containing N or P do not require monitoring.

- Stormwater expected to contain TN or TP, discharges from metal finishing and related processing, discharges associated with chemicals, plastics and allied product manufacturing – 1/quarter.
- Cooling water or other discharges treated with chemical additives containing N and/or P – 1/year.

In general, for new non-significant IW discharges (including existing facilities discharging without a permit), DEP will issue permits containing Cap Loads of "0" and these facilities will be expected to purchase credits and/or apply offsets to achieve compliance.

This facility is not proposing any chemical additives for the NCCW. However, the proposed facility will use sintered metal furnances and hydraulic forming presses. If the stormwater is certified as no exposure, do I need to add any monitoring for TN or TP? Also, since this is a new non-significant IW discharge, does the permit need to contain Cap Loads of "0"?

**Stephen A. McCauley, E.I.T.** | Environmental Engineering Specialist  
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Clean Water Program | Northwest Regional Office  
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