

Application Type Renewal
Facility Type Industrial
Major / Minor Minor

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

Application No. PA0061832
APS ID 825852
Authorization ID 1471848

Applicant and Facility Information


Applicant Name	<u>Prysmian Cables and Systems USA, LLC</u>	Facility Name	<u>Prysmian Cables and Systems USA</u>
Applicant Address	<u>1 Tamaqua Boulevard Schuylkill Haven, PA 17972-1133</u>	Facility Address	<u>1 Tamaqua Boulevard Schuylkill Haven, PA 17972-1133</u>
Applicant Contact	<u>Todd Tice</u>	Facility Contact	<u>Todd Tice</u>
Applicant Phone	<u>(570) 385-9242</u>	Facility Phone	<u>(570) 385-9242</u>
Client ID	<u>78965</u>	Site ID	<u>249763</u>
SIC Code	<u>3357</u>	Municipality	<u>Schuylkill Haven Borough</u>
SIC Description	<u>Manufacturing - Nonferrous Wire Drawing and Insulating</u>	County	<u>Schuylkill</u>
Date Application Received	<u>January 31, 2024</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>January 31, 2024</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Renewal of NPDES permit.</u>		

Summary of Review

The applicant is requesting renewal of NPDES Permit No. PA0061832 for process wastewater and stormwater discharges associated with an existing facility that manufactures wire and cable for electrical use. Different types of wire are procured from vendors and an insulating coating is applied through an extrusion process at the facility. Metals are not smelted at this facility nor does this facility process recycled or scrap metals. This facility is considered a Minor IW covered by an ELG and is subject to CFR Title 40, Part 463 - Plastics Molding and Forming Point Source category, Subpart A - Contact Cooling and Heating Water Subcategory. There are nine outfalls at this facility as follows:

<u>Outfall</u>	<u>Description</u>
001	IW process wastewater and IW stormwater
002	IW process wastewater and IW stormwater
003	IW process wastewater and IW stormwater
004	IW process wastewater and IW stormwater
005 (aka S001)	IW stormwater
006 (aka S002)	IW stormwater
007 (aka S003)	IW stormwater
008 (aka S004)	IW stormwater
009 (aka S005)	IW stormwater

All outfalls discharge into the Schuylkill River, a cold water and migratory fish (CWF, MF) receiving water in state water plan basin 03-A (Upper Schuylkill River). Per the Department's current existing use list, the receiving stream does not have an existing use classification that is more protective than the designated use. The Schuylkill River is listed as being impaired per the Pennsylvania Integrated Water Quality Monitoring and Assessment Report. Potential sources of the impairment are urban runoff/storm sewers, and pathogens (sources unknown). This segment of the Schuylkill River is also subject to a

Approve	Deny	Signatures	Date
X		 Brian Burden, E.I.T. / Project Manager	November 13, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Program Manager	11-22-24

Summary of Review

TMDL for high levels of metals and low pH from acid mine drainage (AMD). The TMDL parameters of concern (pH, aluminum, iron and manganese) originate primarily from AMD occurring at 12 abandoned deep mine discharges throughout the watershed.

The PAG-03 Appendix B (Primary Metals) and Appendix S (Rubber, Miscellaneous Plastic Products and Miscellaneous Manufacturing Industries) stormwater parameters of concern are to be monitored at the representative stormwater outfalls. The Appendix S parameters are a subset of the Appendix B parameters. Note that monitoring/reporting requirements for Total Nitrogen and Total Phosphorus are included in the latest version of the PAG-03 permit and thus included in this renewal. The requirement to monitor/report Oil & Grease is added to Outfalls 005, 006, 007, 008 and 009 in accordance with PAG-03 Appendix B requirements. The Best Management Practices (BMPs) included in Part C of the previous permit are carried over in this renewal. The permit also contains special conditions for stormwater outfalls including: prohibition of non-stormwater discharges, PPC Plan, Comprehensive Site Evaluations & Record Keeping, Annual Reports, and Stormwater BMPs.

The Part C special condition for chemical additives is carried over in this renewal. Calcium chloride is the only chemical additive identified in the permit renewal application. It's used during the batch production process at a maximum usage rate of 2.5 gallons and discharges through Outfall 004.

The technology-based mass limitations required under 40 CFR 463 were calculated as shown below. As required, mass-based limitations were calculated using the average flow rates at each outfall. The average flow rates identified in the renewal application were used to recalculate the limitations and the values generally correlate with the average flows calculated using eDMR reported flow rates.

SUBPART A [CONTACT COOLING AND HEATING WATER]	
Concentration used to calculate BPT effluent limitations	
Pollutant or pollutant property	Maximum for any 1 day (mg/l)
BOD ₅	26
Oil and grease	29
TSS	19
pH	(¹)
¹ Within the range of 6.0 to 9.0 at all times.	

Outfall 001

Application discharge rate = **0.033 MGD**

eDMR average discharge rate = 0.032 MGD

Previously permitted discharge rate = 0.038 MGD

BOD ₅	26 mg/L x 0.033 MGD x 8.34 = 7.1 lbs/day
Oil and Grease	29 mg/L x 0.033 MGD x 8.34 = 7.9 lbs/day
TSS	19 mg/L x 0.033 MGD x 8.34 = 5.2 lbs/day

Outfall 002

Application discharge rate = **0.020 MGD**

eDMR average discharge rate = 0.025 MGD

Previously permitted discharge rate = 0.156 MGD

BOD ₅	26 mg/L x 0.020 MGD x 8.34 = 4.3 lbs/day
Oil and Grease	29 mg/L x 0.020 MGD x 8.34 = 4.8 lbs/day
TSS	19 mg/L x 0.020 MGD x 8.34 = 3.1 lbs/day

Summary of Review

Outfall 003

Application discharge rate = **0.047 MGD**
eDMR average discharge rate = 0.38 MGD
Previously permitted discharge rate = 0.096 MGD

BOD ₅	26 mg/L x 0.047 MGD x 8.34 = 10.1 lbs/day
Oil and Grease	29 mg/L x 0.047 MGD x 8.34 = 11.3 lbs/day
TSS	19 mg/L x 0.047 MGD x 8.34 = 7.4 lbs/day

Outfall 004

Application discharge rate = **0.009 MGD**
eDMR average discharge rate = 0.009 MGD
Previously permitted discharge rate = 0.019 MGD

BOD ₅	26 mg/L x 0.009 MGD x 8.34 = 1.9 lbs/day
Oil and Grease	29 mg/L x 0.009 MGD x 8.34 = 2.1 lbs/day
TSS	19 mg/L x 0.009 MGD x 8.34 = 1.4 lbs/day

The Department's Toxics Management Spreadsheet (TMS) was used to model the pollutant group sampling results provided with the permit renewal application. No limitations were recommended. Monitoring/reporting was recommended for Total Copper at Outfall 004, however, the facility already monitors/reports Total Copper concentrations at Outfall 004.

DRBC docket D-2021-001-1 was issued for this facility on December 8, 2021. The docket includes 30 mg/L monthly average limitations for TSS and monthly monitoring/reporting requirements for TDS at Outfalls 001, 002, 003 and 004 which are included in this renewal. Monthly mass limitations will not be included for TSS since the concentration used to calculate the daily maximum mass limitations (19 mg/L) is less than the concentration that would be used to calculate the monthly average mass limitations (30 mg/L).

The following part C condition is added to the permit as per current DEP guidance:

IV. BMPS TO ADDRESS AQUEOUS FILM FORMING FOAM (AFFF)

The permittee shall update their Preparedness, Prevention and Contingency (PPC) Plan within 1 year of permit issuance to include measures to reduce PFAS discharges due to the use of AFFF. The updates must include the following, at a minimum:

- A. *Restricting the use of PFAS-containing AFFF to emergency situations and firefighting activities only.*
- B. *Eliminating the use PFOS and PFOA-containing AFFFs to the maximum extent practicable.*
- C. *Implementation measures to minimize discharges of PFAS during emergency activities, including diversions and other measures that prevent discharges via storm sewer systems.*

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.

Summary of Review



TMS PA0061832
002.pdf



TMS PA0061832
004.pdf



Watershed
Information.pdf



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