pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northeast Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0012149**
Facility Type	**Industrial**	APS ID	**705973**
Major / Minor	**Minor**	Authorization ID	**1421068**

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

Applicant and Facility Information

Applicant Name	**Dixon Ticonderoga**	Facility Name	**Dixon Ticonderoga**
Applicant Address	2525 N. Casaloma Drive Appleton, WI 54913	Facility Address	1506 Centre Turnpike Orwigsburg, PA 17961
Applicant Contact	John Carlberg	Facility Contact	John Carlberg
Applicant Phone	(920) 750-6729	Facility Phone	(920) 750-6729
Client ID	63219	Site ID	241605
SIC Code	3951	Municipality	West Brunswick Township
SIC Description	Manufacturing - Pens and Mechanical Pencils	County	Schuylkill
Date Application Received	December 19, 2022	EPA Waived?	Yes
Date Application Accepted	December 19, 2022	If No, Reason	-
Purpose of Application	Renewal of NPDES permit.		

Summary of Review

The applicant is requesting renewal of their NPDES permit for discharge of treated groundwater from site remediation of the closed Dixon Ticonderoga facility (a.k.a. Dixon Fessler a.k.a. Dixon Deer Lake) to Pine Creek (CWF, MF) per an EPA RCRA Consent Order (with DEP Waste Management Program oversight). As per the Department's current existing use list, the receiving stream does not have an existing use classification that is more protective than its designated use. The groundwater contaminants are chlorinated volatile organics, including trichloroethylene.

The permit renewal application indicates Outfall 001 has a design flow of 0.040 MGD and receives discharges from IMP 101 and IMP 201. eDMR results show the average flows through Outfall 001 have not exceeded 0.040 MGD during the past few years. Effluent volumes and concentrations are measured at the monitoring points and then used to calculate the volume and concentrations discharged through the outfall.

IMP 101 has a design flow of 0.004 MGD and consists of discharges from the carbon treatment system. On-site monitoring wells MW-5, MW-8S, and MW-11 remove groundwater for treatment. Pump controls can switch pumping from any of the monitoring wells. The application indicates that, recently, only MW-11 has been pumped since contaminants in MW-5 and MW-8S have been reduced to below DEP standards.

IMP 201 has a design flow of 0.036 MGD and consists of discharges from the air stripper system that treats groundwater pumped from the facility's production well. The well removes approximately 30,000 gallons of water per day to pass through the air stripper for removal of VOCs. Treated water is then pumped into a 100,000-gallon storage tank used for the facility' non-potable water needs and fire suppression. Most of the water overflows the tank and is conveyed to Outfall 001.

The Toxics Management Spreadsheet (TMS) didn't recommend limitations for any of the monitored parameters. Outfall 001 was modeled using a discharge rate of 0.040 MGD. Drainage areas were delineated using USGS StreamStats interactive map and stream elevations were found using the elevation profile tool of StreamStats. RMIs were obtained using the

Approve	Deny	Signatures	Date
X		Brian Burden, E.I.T. / Project Manager	May 21, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	6-10-24

Summary of Review

historical streams layer of DEP's eMapPA and the accompanying "measure" tool. The default low flow yield of 0.1 cfs/mi^2 was used for modeling (which coincides with the StreamStats estimate). IMPs 101 & 201 were modeled using a conservative discharge rate of 0.040 MGD and no limitations were recommended for either monitoring point. A stream hardness sample was provided with the permit renewal application and used in the TMS modeling.

Pine Creek is subject to the Upper Schuylkill River TMDL for AMD metals. There are no waste load allocations assigned to the discharge and this facility is not expected to be a significant source of Aluminum, Iron, Manganese or depressed pH.

All monitoring requirements at the IMPs and Outfall 001 are carried over from the previous permit. In addition to the chlorinated VOCs analyzed, manganese is also monitored since subsurface injections of potassium permanganate are used to degrade the VOCs. Part C special conditions from the previously issued permit are carried over in this renewal.

TMS Outfall 001.pdf TMS IMP 101.pdf TMS IMP 201.pdf Watershed Information.pdf

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.