pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0244091**
Facility Type	**Industrial**	APS ID	**1045554**
Major / Minor	**Minor**	Authorization ID	**1365381**

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

Applicant and Facility Information

Applicant Name	**Patriot Sensors & Control Corporation**	Facility Name	**Ametek Drexelbrook Division**
Applicant Address	205 Keith Valley Road	Facility Address	205 Keith Valley Road
	Horsham, PA 19044		Horsham, PA 19044
Applicant Contact	Vinay Daniel	Facility Contact	Vinay Daniel
Applicant Phone	(215) 293-4157	Facility Phone	(215) 293-4157
Client ID	295977	Site ID	634800
SIC Code	3823	Municipality	Horsham Township
SIC Description	Manufacturing - Process Control Instruments	County	Montgomery
Date Application Received	July 28, 2021	EPA Waived?	Yes
Date Application Accepted		If No, Reason	
Purpose of Application	Permit renewal		

Summary of Review

Applicant requests renewal of an NPDES permit to discharge treated ground water from Ametek Drexelbrook Division facility.

Project involves discharging of the groundwater from a foundation drain that collects due to the elevation of the lowest point of facility's dock with respect to the water table.

Groundwater from the foundation drain is routed to an activated carbon filtration system. After treatment the discharge is routed to Outfall 001 and discharges to Park Creek via the facility's stormwater drainage system.

The treatment system began operating in September 2006 and will continue to operate until deemed necessary. Solvents historically used at the facility resulted in 1,1-Dichloroethylene (1,1-DCE) and 1,1,1-Trichloroethane (1,1,1-TCE) impacted groundwater. Chlorinated solvents are no longer used at the facility.

Discharge monitoring reports show the discharge is in compliance with the existing permit limitations. All the reported concentrations are below the recommended Target quantification limits.
No comments received from Operations Section.

Approve	Deny	Signatures	Date
X		*Sara Abraham* Sara Reji Abraham, E.I.T. / Project Manager	September 20, 2021
X		*Pravin Patel* Pravin C. Patel, P.E. / Environmental Engineer Manager	09/20/2021

Summary of Review

The following existing permit requirements are recommended to continue to the new permit:

Parameter	Average Monthly (mg/l)	Inst. Maximum (mg/l)
1,1,1-TCE	0.0103	0.0258
1,1-DCE	0.002	0.005
1,1,1-TCE (influent)	Report (semi annually)	
1,1-DCE (influent)	Repoot (semi annually)	
Flow	Report	

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.

Act 14 Notifications:

Horsham Township - June 21, 2021
Montgomery County - May 20, 2021

Permit Conditions:

A. Acquire Necessary Property Rights
B. Proper Sludge Disposal
C. WQM Permit Requirement
D. BAT/ELG Reopener
E. Visual Inspections
F. PPC Plan Requirement

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.009
Latitude	40º 12' 45.21"	Longitude	-75º 9' 57.32"
Quad Name	Ambler	Quad Code	1744
Wastewater Description:	Groundwater Cleanup Discharge		
Receiving Waters	Park Creek (WWF, MF)	Stream Code	02661
NHD Com ID	25473924	RMI	1.2
Watershed No.	2-F	Chapter 93 Class.	WWF, MF
Assessment Status	Impaired		
Cause(s) of Impairment	flow regime modification, nutrients, pathogens, polychlorinated biphenyls (pcbs), siltation		
Source(s) of Impairment	municipal point source discharges, source unknown, urban runoff/storm sewers		
TMDL Status	Final	Name	Neshaminy Creek

Compliance History

DMR Data for Outfall 001 (from July 1, 2020 to June 30, 2021)

Parameter	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20	JUL-20
Flow (MGD) Average Monthly	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
1,1,1-Trichloroethane (mg/L) Average Monthly	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.00005	0.00005	< 0.00005
1,1,1-Trichloroethane (mg/L) Influent Average Monthly	< 0.0005						< 0.0005					
1,1-Dichloroethylene (mg/L) Average Monthly	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.00005	< 0.00005	< 0.00005
1,1-Dichloroethylene (mg/L) Influent Average Monthly	< 0.0005						< 0.0005					

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) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Estimate
1,1,1-Trichloroethane	XXX	XXX	XXX	0.0103	XXX	0.0258	1/month	Grab
1,1,1-Trichloroethane Industrial Influent	XXX	XXX	XXX	Report SEMI AVG	XXX	XXX	1/6 months	Grab
1,1-Dichloroethylene Industrial Influent	XXX	XXX	XXX	Report SEMI AVG	XXX	XXX	1/6 months	Grab
1,1-Dichloroethylene	XXX	XXX	XXX	0.002	XXX	0.005	1/month	Grab