

Application Type Renewal
Facility Type Industrial
Major / Minor Minor

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

Application No. PA0012238
APS ID 1027600
Authorization ID 1334678

Applicant and Facility Information

Applicant Name	<u>ABB Inc.</u>	Facility Name	<u>ABB GWCU Remediation facility</u>
Applicant Address	<u>125 County Line Road</u> <u>Warminster, PA 18974-4974</u>	Facility Address	<u>125 County Line Road</u> <u>Warminster, PA 18974-4974</u>
Applicant Contact	<u>Brian Quinney</u>	Facility Contact	<u>Mike Lutz</u>
Applicant Phone	<u>(215) 674-6210</u>	Facility Phone	<u>(215) 674-6713</u>
Client ID	<u>83223</u>	Site ID	<u>458543</u>
SIC Code	<u>3823</u>	Municipality	<u>Warminster Township</u>
SIC Description	<u>Manufacturing - Process Control Instruments</u>	County	<u>Bucks</u>
Date Application Received	<u>November 5, 2020</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>Renewal of NPDES permit</u>		

Summary of Review

The permittee has submitted a renewal application for their wastewater discharge from groundwater treatment system through Outfall 001 into unnamed tributary of Pennypack Creek.

The facility is a global manufacturing and engineering company manufacturing magnetic, Colroilis mass, vortex, differential pressure and variable area flow meters.

Based on previous renewal files, pursuant to a 1984 EPA Consent Decree, the Fischer & Porter Company constructed a groundwater pump and treat system to address volatile organic contamination of groundwater at the property. ABB, Inc. acquired the property and system in 2000 when it purchased Elsig Bailey which had purchased the Fischer & Porter Company in 1995.

No process wastewater is discharged through Outfall 001. Stormwater is discharged through Outfall 002. There was no exposure certification submitted with application. Based on the inspection report dated 01/25/2021 inspector confirm their discharge from groundwater commingles with stormwater before discharging to Pennypack Creek. Sampling of the stormwater is not required however Part C of the permit will include stormwater requirements with applicable BMPs.

Based on proximity and known area of contamination of groundwater with Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonic Acid (PFOS) DEP requested the consultant to test the effluent from groundwater remediation system. On 5/11/2021 sampling results were submitted as:

Approve	Deny	Signatures	Date
X		<i>Begay Omuralieva</i> Begay Omuralieva / Environmental Engineering Specialist	May 19, 2021
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	05/20/2021

Summary of Review

Sample ID	Location	PFOA (ng/L)	PFOS (ng/L)
INF	Well #1 & #2 Influent Stream	18	20
EFF	Stripper Tower Discharge (NPDES Discharge)	13	14
FB-01	Field Reagent Blank	<1.8 RDL <0.46 MDL	<1.8 RDL <0.46 MDL

Based on the effluent data of summary of PFOA and PFOS equates to 0.027 ug/l which is lower than EPA established limit of 0.07 ug/l, monitoring is not needed.

All other previously established monitoring requirements and effluent limits are proposed as listed on p. 5. Previously established location of the sampling for Outfall 001 is at the discharge pipe from the air stripping tower.

Act 14 Notification: Warminster Township and Bucks County planning Commission were notified about the NPDES permit renewal submittal to DEP on October 29, 2020.

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.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.108</u>
Latitude	<u>40° 11' 16.70"</u>	Longitude	<u>-75° 5' 30.38"</u>
Quad Name	<u>Hatboro</u>	Quad Code	<u>08-23-01</u>
Wastewater Description: <u>Groundwater Cleanup Discharge</u>			
Receiving Waters	<u>Unnamed Tributary of Pennypack Creek (TSF, MF)</u>	Stream Code	<u>02463</u>
NHD Com ID	<u>25599653</u>	RMI	<u>1.1</u>
Drainage Area	<u>1.0 sq. mi</u>	Yield (cfs/mi ²)	<u>0.25</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.25</u>	Q ₇₋₁₀ Basis	<u>Previous WQPR</u>
Elevation (ft)	<u>255</u>	Slope (ft/ft)	<u>0.01</u>
Watershed No.	<u>3-J</u>	Chapter 93 Class.	<u>TSF, MF</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>METALS, METALS, ORGANICS, ORGANICS</u>		
Source(s) of Impairment	<u>INDUSTRIAL POINT SOURCE DISCHARGE,</u>		
TMDL Status	<u>Approved April 8, 1998</u>	Name	<u>Pennypack Creek TMDL</u>
TMDL Status	<u>for Priority Organics (TCE)</u>	Name	<u>Pennypack Creek TMDL</u>
Nearest Downstream Public Water Supply Intake	<u>Philadelphia Water Dept. Baxter Plant</u>		
PWS Waters	<u>Delaware River</u>	Distance from Outfall (mi)	<u>17 mi</u>

Changes Since Last Permit Issuance: none

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>002</u>	Longitude	<u>-75° 5' 29.61"</u>
Latitude	<u>40° 11' 16.60"</u>	Quad Code	<u>08-23-01</u>
Quad Name	<u>Hatboro</u>	Wastewater Description: <u>Stormwater</u>	
Receiving Waters	<u>Unnamed Tributary of Pennypack Creek (TSF, MF)</u>	Stream Code	<u>02463</u>
NHD Com ID	<u>25599653</u>	RMI	<u>1.1</u>
Drainage Area	<u>1.0 sq. mi</u>	Yield (cfs/mi ²)	<u>0.25</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.25</u>	Q ₇₋₁₀ Basis	<u>Previous WQPR</u>
Elevation (ft)	<u>255</u>	Slope (ft/ft)	<u>0.01</u>
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Nearest Downstream Public Water Supply Intake	<u>Philadelphia Water Dept. Baxter Plant</u>		
PWS Waters	<u>Delaware River</u>	Distance from Outfall (mi)	<u>17</u>

Changes Since Last Permit Issuance: added in eFacts as outfall that is not monitored

Compliance History

DMR Data for Outfall 001 (from February 1, 2020 to January 31, 2021)

Parameter	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20	JUL-20	JUN-20	MAY-20	APR-20	MAR-20	FEB-20
Flow (MGD) Average Monthly	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108
pH (S.U.) Instantaneous Minimum	8.16	8.17	8.10	7.83	8.53	8.07	8.10	8.22	8.38	7.63	8.51	7.96
pH (S.U.) Instantaneous Maximum	8.19	8.33	8.17	7.97	8.55	8.13	8.19	8.29	8.66	7.96	8.63	8.10
Tetrachloro-ethylene (mg/L) Daily Maximum	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Trichloroethylene (mg/L) Daily Maximum	0.00031	0.00031	0.00031	0.00031	0.00031	0.00031	0.00031	0.00031	0.00031	0.00031	0.00031	0.00048

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	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
Tetrachloroethylene	XXX	XXX	XXX	XXX	0.01	0.015	1/month	Grab
Trichloroethylene	XXX	XXX	XXX	XXX	0.035	0.053	1/month	Grab

Compliance Sampling Location: Outfall 001