pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

Application Type	**New**	Application No.	**PA0245577**
Facility Type	**Storm Water**	APS ID	**1100115**
Major / Minor	**Minor**	Authorization ID	**1460369**

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

Applicant and Facility Information

Applicant Name	**Janssen Biotech Inc.**	Facility Name	**Janssen Biotech Inc.**
Applicant Address	200 Great Valley Parkway	Facility Address	335 Phoenixville Pike
	Malvern, PA 19355-1307		Malvern, PA 19355-9603
Applicant Contact	Reshmi Nair	Facility Contact	Reshmi Nair
Applicant Phone	(610) 651-6393	Facility Phone	(610) 651-6393
Client ID	81006	Site ID	829447
SIC Code	8731	Municipality	East Whiteland Township
SIC Description	Services - Commercial Physical Research	County	Chester
Date Application Received	October 10, 2023	EPA Waived?	No
Date Application Accepted	November 1, 2023	If No, Reason	Valley Creek TMDL

Purpose of Application: Application for new Individual Industrial Stormwater discharge.

Summary of Review

The applicant requests a new National Pollutant Discharge Elimination System (NDPES) Individual Permit to discharge stormwater from Janssen Biotech, Inc. The facility contains 4 outfalls that discharge stormwater to Valley Creek in watershed – 3F, a designated Exceptional Value, Migratory Fishes (EV, MF) under Chapter 93.

The facility owns and operates a biopharmaceutical Research & Development facility at 355 Phoenixville Pike in Malvern, Pennsylvania. The Site consists of one building identified as M20. The industrial activities that have the potential to come into contact with stormwater include loading and unloading operations, fuel transfer operations, storage tanks, and electrical equipment.

Since this facility is discharging to an Exceptional Value waters, the facility is required to apply for an Individual Permit to Discharge Industrial Stormwater. The facility operates under Standard Industrial Classified (SIC) Code 8731 – Services – Commercial Physical and Biological Research and the appendix for this facility per SIC code and PAG-03 is Appendix J for Additional Facilities. The monitoring requirements under Appendix J is for parameters pH (S.U.), Chemical Oxygen Demand (COD), Total Suspended Solids (TSS), Total Nitrogen, Total Phosphorus, and Oil and Grease.

See below for outfall description and representative outfalls.

Approve	Deny	Signatures	Date
X		*Amy Boginsky* Amy Boginsky, MS, EIT / Environmental Engineering Specialist	January 23, 2024
X		*Pravin Patel* Pravin C. Patel, P.E. / Environmental Engineer Manager	01/23/2024

Summary of Review

Outfall No.	Description
001	Building M20, paved parking lot, roof drains, loading docks
002	Building M20, paved parking lot, roof drains, loading docks
003	Paved parking lot, vegetated areas
004	Paved parking lot, vegetated areas

Representative Outfalls

Representative Outfall	Outfalls Represented
001	001, 002, 003, 004

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.	001	Design Flow (MGD)	0
Latitude	40º 3' 53.26"	Longitude	-75º 33' 23.94"
Quad Name	Malvern	Quad Code	1841
Wastewater Description:	Stormwater		
Receiving Waters	Unnamed Tributary to Valley Creek (EV, MF)	Stream Code	N/A
NHD Com ID	25980338	RMI	1.4300
Drainage Area	0.31 mi^2	Yield (cfs/mi^2)	0.2929
Q_{7-10} Flow (cfs)	0.0908	Q_{7-10} Basis	StreamStats
Elevation (ft)	348.33	Slope (ft/ft)	
Watershed No.	3-F	Chapter 93 Class.	EV, MF
Existing Use	**N/A**	Existing Use Qualifier	N/A
Exceptions to Use	N/A	Exceptions to Criteria	N/A
Assessment Status	Impaired		
Cause(s) of Impairment	CAUSE UNKNOWN, FLOW REGIME MODIFICATION, HABITAT ALTERATIONS, POLYCHLORINATED BIPHENYLS (PCBS), POLYCHLORINATED BIPHENYLS (PCBS), POLYCHLORINATED BIPHENYLS (PCBS), SILTATION		
Source(s) of Impairment	HABITAT MODIFICATION - OTHER THAN HYDROMODIFICATION, SOURCE UNKNOWN, SOURCE UNKNOWN, SOURCE UNKNOWN, URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS		
TMDL Status	Final	Name	Valley and Little Valley Creeks

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

Nearest Downstream Public Water Supply Intake	Phila Suburban Water - Malvern		
PWS Waters	Valley Creek	Flow at Intake (cfs)	Inactive
PWS RMI	0.55	Distance from Outfall (mi)	2.88

Compliance History	
Summary of Inspections:	An inspection was conducted by Bill Collins on 1/18/24 with no violations.

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** 0
Latitude 40º 4' 3.10" **Longitude** -75º 33' 26.50"
Wastewater Description: Stormwater

Best Professional Judgment (BPJ) Limitations

Parameter	Limit (mg/l)	SBC	State Regulation
COD	Report	Daily Maximum	PAG-03 Benchmark
Total Suspended Solids	Report	Daily Maximum	PAG-03 Benchmark
pH	Report S.U.	Daily Maximum	PAG-03 Benchmark
Oil and Grease	Report	Daily Maximum	PAG-03 Benchmark
Total Nitrogen	Report	Daily Maximum	PAG-03 Benchmark
Total Phosphorus	Report	Daily Maximum	PAG-03 Benchmark

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" (386-0400-001), 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		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 001