

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0244945
APS ID 1069188
Authorization ID 1406168

Applicant and Facility Information

Applicant Name	<u>DSM Biomed</u>	Facility Name	<u>DSM Biomedical</u>
Applicant Address	<u>735 Pennsylvania Drive</u> <u>Exton, PA 19341-1130</u>	Facility Address	<u>735 Pennsylvania Drive</u> <u>Exton, PA 19341-1130</u>
Applicant Contact	<u>Pauline Smith</u>	Facility Contact	<u>Andrew Donahue</u>
Applicant Phone	<u>(484) 713-2100</u>	Facility Phone	<u>(484) 713-2100</u>
Client ID	<u>313570</u>	Site ID	<u>810914</u>
SIC Code	<u>3841</u>	Municipality	<u>East Whiteland Township</u>
SIC Description	<u>Manufacturing - Surgical And Medical Instruments</u>	County	<u>Chester</u>
Date Application Received	<u>August 3, 2022</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>Renewal</u>		

Summary of Review

The applicant requests a renewal of their NPDES permit to discharge stormwater from DSM Biomedical, Inc. This facility is located at 735 Pennsylvania Drive, Exton, PA 19341. The facility contains two outfalls that discharges stormwater to Shamona Creek in watershed – 3H, a designated High Quality – Trout Stocking Fishes (HQ – TSF) under Chapter 93.

This facility contains two outfalls (001 & 002). Outfall 001 receives stormwater from 499,711 ft² of drainage area from 64% impervious parking lot with no industrial activities. Potential areas of concern for Outfall 001 is fuel oil storage and isopropyl alcohol bulk storage. Outfall 002 receives stormwater from 173,068 ft² of drainage area from 50% impervious of the parking lot.

The applicable appendix for this facility per SIC code 3841 is PAG-03 is Appendix J for Additional Facilities. The existing stormwater parameters Oil and Grease, pH and TSS are continued semiannually in the draft permit. These are in consistent with the Industrial Waste Stormwater module, Appendix J.

Since the facility discharges to High Quality (HQ) or Exceptional Value (EV) waters, it is not eligible for coverage under the PAG-03 General Permit and are not eligible for No Exposure Certification approval.

According to the past inspection reports (12/17/2021) the overall conditions at the facility were good.

Benchmark values for TSS (100 mg/l) and Oil and Grease (30 mg/l) are also included in part C of the permit. This is based on PAG03 General Permit for Discharges of Stormwater associated with industrial activity. pH limit was added in the initial permit and will remain for this renewal.

Approve	Deny	Signatures	Date
x		<i>Vasantha</i> Vasantha Palakurti / Environmental Engineering Specialist	August 19, 2022
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	08/22/2022

Summary of Review

There were no other changes to the facility, wastewater quantities, qualities and receiving stream designation since last permit renewal, therefore, previously established effluent limits and monitoring requirements will remain for this current renewal.

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 & 002</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>40° 3' 37.46" (001)</u>	Longitude	<u>-75° 40' 58.38"</u>
Latitude	<u>40° 3' 37.46" (002)</u>	Longitude	<u>-75° 40' 58.38"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Shamona Creek</u>	Stream Code	<u>00324</u>
NHD Com ID	<u>26089326</u>	RMI	<u>1.28</u>
Drainage Area	<u>1.48 mi²</u>	Yield (cfs/mi ²)	<u>0.0562</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.0832</u>	Q ₇₋₁₀ Basis	<u>Pennsylvania StreamStats</u>
Elevation (ft)	<u>502.5</u>	Slope (ft/ft)	<u>2.7</u>
Watershed No.	<u>3-H</u>	Chapter 93 Class.	<u>HQ-TSF, MF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>FLOW REGIME MODIFICATION, SILTATION</u>		
Source(s) of Impairment	<u>URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS</u>		
TMDL Status	<u>Final</u>	Name	<u>Christina River Basin</u>

Changes Since Last Permit Issuance: No changes since issuance of last permit.

Compliance History

DMR Data for Outfall 001 (from July 1, 2021 to June 30, 2022)

Parameter	JUN-22	MAY-22	APR-22	MAR-22	FEB-22	JAN-22	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21
pH (S.U.) Instantaneous Minimum	GG						GG					
pH (S.U.) Instantaneous Maximum	GG						GG					
TSS (mg/L) Daily Maximum	GG						GG					
Oil and Grease (mg/L) Daily Maximum	GG						GG					

DMR Data for Outfall 002 (from July 1, 2021 to June 30, 2022)

Parameter	JUN-22	MAY-22	APR-22	MAR-22	FEB-22	JAN-22	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21
pH (S.U.) Instantaneous Minimum	7.9						7.4					
pH (S.U.) Instantaneous Maximum	7.9						7.4					
TSS (mg/L) Daily Maximum	28						< 4.0					
Oil and Grease (mg/L) Daily Maximum	< 5.1						< 5.0					

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		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab

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 002, 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	6.0 Inst Min	XXX	XXX	9.0	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