

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0244970
APS ID 1072473
Authorization ID 1412224

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>260 Sierra Drive</u> <u>Exton, PA 19341</u>
Applicant Contact	<u>Pauline Smith</u>	Facility Contact	<u>Pauline Smith</u>
Applicant Phone	<u>(484) 713-2100</u>	Facility Phone	<u>(484) 713-2100</u>
Client ID	<u>313570</u>	Site ID	<u>825276</u>
SIC Code	<u>2821</u>	Municipality	<u>Upper Uwchlan Township</u>
SIC Description	<u>Manufacturing - Plastics Materials And Resins</u>	County	<u>Chester</u>
Date Application Received	<u>September 30, 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 260 Sierra Drive, Exton, PA 19341. The facility contains one outfall that discharges stormwater to Marsh Creek, a designated High Quality – Trout Stocking Fishes (HQ – TSF) under Chapter 93.

This facility contains one outfall (001). Outfall 001 receives stormwater from 307,166 ft² of drainage area from 60% impervious parking lot with no industrial activities. The outfall consists of loading and unloading areas are also protected from contact with precipitation. From the inspection report dated September 15, 2021, DSM Biomedical does receive a small quantity of chemicals. Those chemicals are stored in a room that has secondary containment. In the future, they will be storing sealed drums in storage area located outside the loading dock area. At the time of inspection no violations were noted.

DSM Biomedical INC – Sierra Drive is classified as SIC Code 2821 (Manufacturing - Plastics Materials And Resins). The permit includes semi-annual monitoring requirements as per Appendix F (Chemicals and Allied Products) of the General NPDES Permit. The benchmark values for TSS and COD are both 30 mg/l. The more stringent benchmark values are included in the permit because the discharge is to a special protection water and are indicative of anti-degradation.

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.

Approve	Deny	Signatures	Date
x		<i>Vasantha</i> Vasantha Palakurti / Environmental Engineering Specialist	October 13, 2022
		Pravin C. Patel, P.E. / Environmental Engineer Manager	

Summary of Review

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>0</u>
Latitude	<u>40° 4' 18.21"</u>	Longitude	<u>-75° 41' 43.56"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Unnamed Tributary to Marsh Creek (HQ-TSF, MF)</u>	Stream Code	<u>00332</u>
NHD Com ID	<u>26089512</u>	RMI	<u>0.7</u>
Drainage Area	<u>N/A</u>	Yield (cfs/mi ²)	<u>N/A</u>
Q ₇₋₁₀ Flow (cfs)	<u>N/A</u>	Q ₇₋₁₀ Basis	<u>N/A</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>3-H</u>	Chapter 93 Class.	<u>HQ-TSF, MF</u>

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

Compliance History

Summary of DMRs:	Last 5 years E-DMR data shows that the COD values are greater than the 30 mg/l benchmark.
Summary of Inspections:	An inspection was conducted on September 15, 2021 and no violations were noted.

Compliance History

DMR Data for Outfall 001 (from September 1, 2021 to August 31, 2022)

Parameter	AUG-22	JUL-22	JUN-22	MAY-22	APR-22	MAR-22	FEB-22	JAN-22	DEC-21	NOV-21	OCT-21	SEP-21
pH (S.U.) Daily Maximum			7.5						7.6			
COD (mg/L) Daily Maximum			31.9						< 20			
TSS (mg/L) Daily Maximum			9.6						< 4.0			
Nitrate-Nitrite (mg/L) Daily Maximum			< 0.1						< 0.1			
Total Phosphorus (mg/L) Daily Maximum			< 0.05						0.27			
Total Aluminum (mg/L) Daily Maximum			< 0.2						0.538			
Total Iron (mg/L) Daily Maximum			0.398						0.467			
Total Lead (mg/L) Daily Maximum			< 0.003						0.0139			
Total Zinc (mg/L) Daily Maximum			< 0.02						0.0201			

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	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
Nitrate-Nitrite	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab