

Application Type New  
Facility Type Storm Water  
Major / Minor Minor

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

Application No. PA0056472  
APS ID 1078617  
Authorization ID 1422780

**Applicant and Facility Information**

Applicant Name	<u>Beyond Meat Inc.</u>	Facility Name	<u>Beyond Meat Inc.</u>
Applicant Address	<u>312 Devault Lane PO Box 587</u> <u>Devault, PA 19432</u>	Facility Address	<u>1 Devault Lane 4030 White Horse Road</u> <u>Devault, PA 19432</u>
Applicant Contact	<u>Eric Strunk</u>	Facility Contact	<u>Eric Strunk</u>
Applicant Phone	<u>(734) 674-8683</u>	Facility Phone	<u>(610) 823-8054</u>
Client ID	<u>358940</u>	Site ID	<u>458554</u>
SIC Code	<u>2011</u>	Municipality	<u>Charlestown Township</u>
SIC Description	<u>Manufacturing - Meat Packing Plants</u>	County	<u>Chester</u>
Date Application Received	<u>December 20, 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 PA Department of Environmental Protection (PADEP) had received a renewal application from Light-Heigel & Associates on behalf of Beyond Meats to discharge stormwater associated with industrial activities located in Charlestown Township, Chester County, PA.

Stormwater is discharged indirectly into Valley Creek (Pa Stream Code 991) via PA Turnpike drainage channels and Pickering Creek via infiltration. Both streams are classified as an exceptional value (EV) watershed. Therefore, an individual stormwater permit is required for the facility. Stormwater monitoring parameters and BMPs were derived from Appendix I (Animal Handling and Meat Packing Facilities) of the stormwater general permit (PAG-03).

There are five existing stormwater outfalls permitted – Outfalls 001, 002, 003, 004 & 005. There are two additional outfalls, Outfalls 001b and 001c, which are considered substantially equivalent to Outfall 001. Outfalls 004 and 005 were added in 2021 permit amendment.

BMPs included in Part C of the NPDES permit are based on BMPs listed for Appendix I Food and Kindred Product Facilities) of the NPDES stormwater general permit (PAG-03)

Parameters listed on Appendix I Discharge Monitoring Report (DMR) of the NPDES Storm Water General Permit (PAG-3) for Discharges of Storm Water from Industrial Activities include:

Parameter	Benchmark Value (mg/l)
PH	90
BOD5	30
Chemical Oxygen Demand	120
Total Suspended Solids	100

Approve	Deny	Signatures	Date
x		<i>Vasantha</i> Vasantha Palakurti / Environmental Engineering Specialist	February 28, 2023
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	03/01/2023

**Summary of Review**

Oil and Grease	30
Nitrate-Nitrite as N	

There are no other changes in the permit.

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.

Compliance History

DMR Data for Outfall 001 (from January 1, 2022 to December 31, 2022)

Parameter	DEC-22	NOV-22	OCT-22	SEP-22	AUG-22	JUL-22	JUN-22	MAY-22	APR-22	MAR-22	FEB-22	JAN-22
pH (S.U.) Daily Maximum	6.75						6.45					
BOD5 (mg/L) Daily Maximum	7.9						7.6					
COD (mg/L) Daily Maximum	37.4						65.2					
TSS (mg/L) Daily Maximum	10.0						193					
Oil and Grease (mg/L) Daily Maximum	< 5.0						< 4.8					
Nitrate-Nitrite (mg/L) Daily Maximum	0.30						< 0.20					

DMR Data for Outfall 002 (from January 1, 2022 to December 31, 2022)

Parameter	DEC-22	NOV-22	OCT-22	SEP-22	AUG-22	JUL-22	JUN-22	MAY-22	APR-22	MAR-22	FEB-22	JAN-22
pH (S.U.) Daily Maximum	6.4						6.8					
BOD5 (mg/L) Daily Maximum	3.6						3.8					
COD (mg/L) Daily Maximum	11.6						43.8					
TSS (mg/L) Daily Maximum	7.0						22.7					
Oil and Grease (mg/L) Daily Maximum	< 5.0						< 5.1					
Nitrate-Nitrite (mg/L) Daily Maximum	1.76						0.10					

DMR Data for Outfall 003 (from January 1, 2022 to December 31, 2022)

Parameter	DEC-22	NOV-22	OCT-22	SEP-22	AUG-22	JUL-22	JUN-22	MAY-22	APR-22	MAR-22	FEB-22	JAN-22
pH (S.U.) Daily Maximum	6.65						6.75					
BOD5 (mg/L) Daily Maximum	< 2.0						2.1					
COD (mg/L) Daily Maximum	12.3						39.7					
TSS (mg/L) Daily Maximum	4.5						163					
Oil and Grease (mg/L) Daily Maximum	< 5.0						< 4.9					
Nitrate-Nitrite (mg/L) Daily Maximum	1.24						1.35					

**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, 002, 003, 004, 005, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> 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
BOD5	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
Nitrate-Nitrite	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Other Comments: Outfalls 001b and 001c, which are considered substantially equivalent to Outfall 001