Pennsylvania Department of Environmental Protection

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0238911**
Facility Type	**Industrial**	APS ID	**1110195**
Major / Minor	**Minor**	Authorization ID	**1478204**

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

Applicant and Facility Information

Applicant Name	**Titusville Dairy Products Company**	Facility Name	**Titusville Dairy Products**
Applicant Address	217 South Washington Street Titusville, PA 16354-1660	Facility Address	217 South Washington Street Titusville, PA 16354-1660
Applicant Contact	Joseph Dougherty, General Manager (jdtdpc@zoominternet.net)	Facility Contact	Joseph Dougherty, General Manager (jdtdpc@zoominternet.net)
Applicant Phone	(814) 827-1833	Facility Phone	(814) 827-1833
Client ID	35868	Site ID	244860
SIC Code	2022 / 2023 / 2024 / 2026 / 2086	Municipality	Titusville City
SIC Description	Dry, Condensed, and Evaporated Dairy Products / Manufacturing - Bottled and Canned Soft Drinks / Manufacturing - Cheese, Natural and Processed / Manufacturing - Fluid Milk / Manufacturing - Ice Cream and Frozen Desserts	County	Crawford
Date Application Received	March 1, 2024	EPA Waived?	Yes
Date Application Accepted	March 26, 2024	If No, Reason	-
Purpose of Application	Renewal of an NPDES Permit for the discharge of Industrial Wastewater.		

Summary of Review

Act 14 - Proof of Notification was submitted and received.

A Part II Water Quality Management permit is not required at this time.

The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

I. OTHER REQUIREMENTS:

A. Right of way
B. Solids handling
C. NPDES Permit Supersedes WQM Permits
D. Modification or Revocation for changes to BAT or BCT

SPECIAL CONDITIONS:

II. Chemical Additives

There are no open violations in efacts associated with the subject Client ID (35868) as of 5/7/2025.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Project Manager	5/7/2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	5/7/2025

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.023
Latitude	41º 37' 21.90"	Longitude	-79º 40' 36.81"
Quad Name	-	Quad Code	-
Wastewater Description:	Noncontact Cooling Water (NCCW)		
Receiving Waters	Unnamed Tributary to the Oil Creek (CWF)	Stream Code	N/A
NHD Com ID	100473083	RMI	N/A
Drainage Area	171	Yield (cfs/mi^2)	0.1
Q_{7-10} Flow (cfs)	17.1	Q_{7-10} Basis	calculated
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	16-E	Chapter 93 Class.	CWF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	-		
Source(s) of Impairment	-		
TMDL Status	-	Name	-
Nearest Downstream Potable Water Supply Intake	Aqua Pennsylvania, Inc. - Emlenton		
PWS Waters	Allegheny River	Flow at Intake (cfs)	1,250
PWS RMI	90.0	Distance from Outfall (mi)	61.0

The discharge consists of noncontact cooling water only. The source water for the NCCW is from an on-site groundwater well. There is no treatment for this waste stream. The Unnamed Tributary this discharge flows to is a Titusville Municipal storm sewer.

Monitoring for the following parameters is being added in accordance with the SOP, based on Chapter 92a.61:

PFOA (ng/L)
PFOS (ng/L)
PFBS (ng/L)
HFPO-DA (ng/L)

Thermal WQBELs for Heated Discharges

Thermal WQBELs were evaluated using the DEP's "Thermal Discharge Limit Calculation Spreadsheet". Temperature WLAs are bounded by an upper limit of 110°F for the safety of sampling personnel and anyone who may come into contact with the heated discharge where it enters the receiving water. If no WLAs below 110°F are calculated, an instantaneous maximum limit of 110°F is recommended by the spreadsheet.

For this site, the thermal analysis (see Attachment 1) did not calculate any WQBELs for temperature. Therefore, the instantaneous maximum limit of 110°F will be imposed with this draft NPDES Permit renewal.

Compliance History

DMR Data for Outfall 001 (from April 1, 2024 to March 31, 2025)

Parameter	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24
Flow (MGD) Average Monthly	0.01091	0.01072	0.00536	0.00498	0.00601	0.01061	0.01363	0.01553	0.02340	0.02338	0.01908	0.01707
pH (S.U.) Instantaneous Minimum	7.02	7.11	7.31	7.24	6.97	7.21	7.12	7.02	6.97	7.27	7.04	7.11
pH (S.U.) Instantaneous Maximum	7.02	7.11	7.31	7.24	6.97	7.21	7.12	7.02	6.97	7.27	7.04	7.11
TSS (mg/L) Daily Maximum	< 5.0			< 5.0			< 5.0			< 5.0		
Oil and Grease (mg/L) Daily Maximum	< 5.0			< 5.0			< 5.0			< 5.0		

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.

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		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
Temperature (ºF)	XXX	XXX	XXX	XXX	XXX	110.0	1/month	I-S
TSS	XXX	XXX	XXX	XXX	30.0	60	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	XXX	15.0	30	1/quarter	Grab
PFOA (ng/L)	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
PFOS (ng/L)	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
PFBS (ng/L)	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
HFPO-DA (ng/L)	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab

Compliance Sampling Location: at Outfall 001, prior to mixing with any other wastewaters.

Attachment 1

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Thermal Limits Spreadsheet
Version 1.0, April 2024

Instructions | *CWF Results*

Recommended Limits for Case 1 or Case 2

Semi-Monthly Increment	**CWF** Target Maximum Stream Temp. (°F)	**Case 1** Daily WLA (Million BTUs/day)	**Case 2** Daily WLA (°F)
Jan 1-31	38	N/A -- Case 2	110.0
Feb 1-29	38	N/A -- Case 2	110.0
Mar 1-31	42	N/A -- Case 2	110.0
Apr 1-15	48	N/A -- Case 2	110.0
Apr 16-30	53	N/A -- Case 2	110.0
May 1-15	56	N/A -- Case 2	110.0
May 16-31	60	N/A -- Case 2	110.0
Jun 1-15	64	N/A -- Case 2	110.0
Jun 16-30	68	N/A -- Case 2	110.0
Jul 1-31	72	N/A -- Case 2	110.0
Aug 1-15	71	N/A -- Case 2	110.0
Aug 16-31	71	N/A -- Case 2	110.0
Sep 1-15	67	N/A -- Case 2	110.0
Sep 16-30	61	N/A -- Case 2	110.0
Oct 1-15	56	N/A -- Case 2	110.0
Oct 16-31	52	N/A -- Case 2	110.0
Nov 1-15	47	N/A -- Case 2	110.0
Nov 16-30	42	N/A -- Case 2	110.0
Dec 1-31	40	N/A -- Case 2	110.0

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Thermal Limits Spreadsheet
Version 1.0, April 2024

Instructions | *Inputs*

Facility: **Titusville Dairy (NCCW)**

Permit No.: **PA0238911**

Stream Name: **Oil Creek**

Analyst/Engineer: **McCauley**

Stream Q7-10 (cfs)*: **17.3**

Outfall No.: **001**

Analysis Type*: **CWF**

Facility Flows

Semi-Monthly Increment	Intake (Stream) (MGD)*	Intake (External) (MGD)*	Consumptive Loss (MGD)*	Discharge Flow (MGD)
Jan 1-31		0.023		0.023
Feb 1-29		0.023		0.023
Mar 1-31		0.023		0.023
Apr 1-15		0.023		0.023
Apr 16-30		0.023		0.023
May 1-15		0.023		0.023
May 16-31		0.023		0.023
Jun 1-15		0.023		0.023
Jun 16-30		0.023		0.023
Jul 1-31		0.023		0.023
Aug 1-15		0.023		0.023
Aug 16-31		0.023		0.023
Sep 1-15		0.023		0.023
Sep 16-30		0.023		0.023
Oct 1-15		0.023		0.023
Oct 16-31		0.023		0.023
Nov 1-15		0.023		0.023
Nov 16-30		0.023		0.023
Dec 1-31		0.023		0.023

Stream Flows

Q7-10 Multipliers (Default Shown)	PMF	Seasonal Stream Flow (cfs)	Downstream Stream Flow (cfs)
3.2	1.00	55.36	55.40
3.5	1.00	60.55	60.59
7	1.00	121.10	121.14
9.3	1.00	160.89	160.93
9.3	1.00	160.89	160.93
5.1	1.00	88.23	88.27
5.1	1.00	88.23	88.27
3	1.00	51.90	51.94
3	1.00	51.90	51.94
1.7	1.00	29.41	29.45
1.4	1.00	24.22	24.26
1.4	1.00	24.22	24.26
1.1	1.00	19.03	19.07
1.1	1.00	19.03	19.07
1.2	1.00	20.76	20.80
1.2	1.00	20.76	20.80
1.6	1.00	27.68	27.72
1.6	1.00	27.68	27.72
2.4	1.00	41.52	41.56

Temperature

Ambient Stream Temperature (°F)*