

Application Type Renewal  
Facility Type Industrial  
Major / Minor Minor

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

Application No. PA0238911  
APS ID 963255  
Authorization ID 1220139

**Applicant and Facility Information**

Applicant Name	<u>Titusville Dairy Products Co.</u>	Facility Name	<u>Titusville Dairy Products</u>
Applicant Address	<u>217 S Washington Street</u> <u>Titusville, PA 16354-1660</u>	Facility Address	<u>217 S Washington Street</u> <u>Titusville, PA 16354-1660</u>
Applicant Contact	<u>Ralph Kerr</u>	Facility Contact	<u>Ralph Kerr</u>
Applicant Phone	<u>(814) 827-1833</u>	Facility Phone	<u>(814) 827-1833</u>
Client ID	<u>35868</u>	Site ID	<u>244860</u>
Municipality	<u>Titusville City</u>	County	<u>Crawford</u>
SIC Code	<u>2022</u>	SIC Code	<u>2023</u>
SIC Description	<u>Manufacturing - Bottled &amp; Canned Soft Drinks,</u>	SIC Description	<u>Mfg - Cheese, Natural &amp; Processed</u>
SIC Code	<u>2024</u>	SIC Code	<u>2026</u>
SIC Description	<u>Mfg - Dry, Condensed, Evaporated Products</u>	SIC Description	<u>Manufacturing - Fluid Milk,</u>
SIC Code	<u>2086</u>	SIC Code	<u></u>
SIC Description	<u>Manufacturing - Fluid Milk</u>	SIC Description	<u></u>
Received	<u>March 1, 2018</u>	EPA Waived?	<u>Yes</u>
Accepted	<u>April 5, 2018</u>	If No, Reason	<u></u>


Purpose of Application NPDEERS permit renewal for the discharge of non-contact cooling water.

**Summary of Review**

The discharge is through Titusville municipal storm sewers to Oil Creek. The last reported violation was for high water supply total coliforms on February 25, 2016.

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.

Approve	Deny	Signatures	Date
		William H. Mentzer, P.E. Environmental Engineering Specialist	May 29, 2019
		Justin C. Dickey, P.E. Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.023</u>
Latitude DP	<u>41° 37' 32.70"</u>	Longitude DP	<u>79° 40' 29.60"</u>
Latitude NHD	<u>41° 37' 21.90"</u>	Longitude NHD	<u>-79° 40' 36.81"</u>
Quad Name	<u>Titusville North</u>	Quad Code	<u>0508</u>
Wastewater:	<u>Noncontact Cooling Water (NCCW)</u>		
Receiving Waters	<u>Municipal storm sewer to Oil Creek</u>	Stream Code	<u>NA</u>
NHD Com ID	<u>100473081</u>	RMI	<u>0.1</u>
Drainage Area	<u>NA</u>	Yield (cfs/mi <sup>2</sup> )	<u>NA</u>
Q <sub>7-10</sub> Flow (cfs)	<u>NA</u>	Q <sub>7-10</sub> Basis	<u>NA</u>
Elevation (ft)	<u>NA</u>	Slope (ft/ft)	<u>NA</u>
Watershed No.	<u>16-E</u>	Chapter 93 Class.	<u>NA</u>
Existing Use	<u>NA</u>	Existing Use Qualifier	<u>NA</u>
Exceptions to Use	<u>NA</u>	Exceptions to Criteria	<u>NA</u>
Comments	<u>The storm water outlet is at Oil Creek 54128 RMI 18.96, Elevation 1186.16-feet, Drainage 167.26 square miles. The stream flow is 17.12-cfs based on Oil Creek in Titusville with a 0.1024-cfs/sq-mile yield.</u>		
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	_____		
Source(s) of Impairment	_____		
TMDL Status	_____	Name	_____
Background/Ambient Data		Data Source	
pH (SU)	_____		_____
Temperature (°F)	_____		_____
Hardness (mg/L)	_____		_____
Other:	_____		_____
Nearest Downstream Public Water Supply Intake	<u>Emlenton Water Company (Aqua Pa)</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1250-cfs</u>
PWS RMI	<u>90.57</u>	Distance from Outfall (mi)	<u>61</u>

Changes Since Last Permit Issuance: none

Other Comments: none

Treatment Facility Summary				
Treatment Facility Name: Titusville Dairy Products				
WQM Permit No.		Issuance Date		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Industrial				
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal

Changes Since Last Permit Issuance: none

Other Comments:

No formal treatment required or installed. The discharge is from a recirculating non-contact cooling water unit.

Development of Effluent Limitations			
Outfall No.	001	Design Flow (MGD)	0.023
Latitude	41° 37' 32.70"	Longitude	79° 40' 29.60"
Wastewater Description: NCCW			

**Technology-Based Limitations**

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Parameter	Limit (mg/l)	SBC	Federal Regulation	State Regulation
TSS	30	NA		
Oil and Grease	15			

Comments: The TSS requirements are BPJ based. Oil & Grease and pH are Commonwealth Title 25 requirements.

**Water Quality-Based Limitations**

Parameter	Max	Mean	Min
BOD	10.3	5.7	
COD	406	149	
TOC	0.569	0.44	
TSS	< 5		
Ammonia	0.347	0.192	
Temperature	56F	53F	
pH	7.4		6.9
Coliform	< 1		
Oil & Grease	< 5		
TRC	< 0.21		
P	0.02		
TKN	0.266		
NO2-NO3	1.15		
TDS	267		
Color	< 5		
Bromide	0.078		
Chloride	42.2		
Sulfate	< 1.0		
Sulfide	< 1.0		
FI	0.069		
Hardness	190		

All reported parameters are at below detection or well below established criteria.

The facility is in compliance therefore backsliding was not considered.

**Compliance History**

**DMR Data for Outfall 001 (from April 1, 2018 to March 31, 2019)**

Parameter	MAR-19	FEB-19	JAN-19	DEC-18	NOV-18	OCT-18	SEP-18	AUG-18	JUL-18	JUN-18	MAY-18	APR-18
Flow (MGD) Average Monthly	0.010577	0.00548	0.003881	0.002832	0.00372	0.005425	8440	0.011079	0.015384	0.010723	14407	208500
pH (S.U.) Minimum	6.90	7.03	6.94	6.74	6.7	7.0	6.92	6.97	7.11	7.30	6.93	7.24
pH (S.U.) Maximum	6.90	7.03	6.94	6.74	6.7	7.0	6.92	6.97	7.11	7.30	6.93	7.24
TSS (mg/L) Daily Maximum	< 5			< 5			< 5			< 5		
Oil and Grease (mg/L) Daily Maximum	< 5			< 5			< 5			< 5		

**Inconsistent flow units**

**Compliance History**

**No violations reported**

**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 Issuance 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	Instant. Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	1/month	Grab
TSS	XXX	XXX	XXX	XXX	30	60	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	XXX	15	30	1/quarter	Grab

Compliance Sampling Location: Outfall 001 and prior to mixing with any other waters