pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northeast Regional Office
CLEAN WATER PROGRAM

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Application Type	**Renewal**	Application No.	**PA0064173**
Facility Type	**Non-Municipal**	APS ID	**608131**
Major / Minor	**Minor**	Authorization ID	**1438335**

Applicant and Facility Information

Applicant Name	**Heisler's Cloverleaf Dairy, Inc.**	Facility Name	**Heisler's Cloverleaf Dairy**
Applicant Address	P.O. Box 148	Facility Address	743 Catawissa Road
	New Ringgold, PA 17960		Tamaqua, PA 18252-5126
Applicant Contact	Leonard Ostergaard	Facility Contact	Leonard Ostergaard
Applicant Phone	(570) 668-3399	Facility Phone	(570) 668-3399
Client ID	3702	Site ID	2623
Ch 94 Load Status	-	Municipality	Walker Township
Connection Status	-	County	Schuylkill
Date Application Received	May 1, 2023	EPA Waived?	Yes
Date Application Accepted	May 1, 2023	If No, Reason	-

Purpose of Application: Renewal of existing NPDES permit.

Summary of Review

The applicant is requesting renewal of an NPDES permit to discharge up to 0.0056 MGD of treated sewage into Beaver Creek, a Cold Water Fishes and Migratory Fish (CWF, MF) designated receiving stream located in State Water Plan basin 03-A (Upper Schuylkill River). As per the Department's current existing use list, the receiving stream does not have an existing use classification that is more protective than the designated use.

Beaver Creek is part of the Little Schuylkill River Watershed TMDL for acid mine drainage affected segments. There are no waste load allocations (WLAs) assigned to this facility in the TMDL. Discharges from the WWTP are not expected to contribute to the impairment and no monitoring requirements are included for the TMDL metals of concern (Aluminum, Iron, Manganese).

Technology-based and BPJ effluent limitations for $CBOD_5$, TSS, TRC, NH_3-N, pH and Fecal Coliform and the water quality-based limitation for Dissolved Oxygen are all carried over from the previous permit. Monitoring/reporting requirements Total Nitrogen and Total Phosphorus are carried over from the previous renewal. More stringent limitations were not recommended after modeling the discharge with WQM 7.0 and the TRC Calculation Spreadsheet (see attached). Annual monitoring/reporting for E. Coli is added to the permit as per updated DEP guidance.

Recent DMRs and inspection reports reveal no significant operational problems. There are no open violations for the permittee that would warrant withholding issuance of the permit.

Sludge use and disposal description and location(s): The May 2023 Sewage Sludge/Biosolids Production and Disposal supplemental DMR report indicates 4,000 gallons of liquid sludge was hauled to the SCMA Deer Lake WWTP via Strouse Brothers Septic.

WQM Modeling.pdf | TRC Calculation.pdf | StreamStats 1.pdf | StreamStats 2.pdf | Elevations RMIs.pdf

Approve	Deny	Signatures	Date
X		*Brian Burden* Brian Burden, E.I.T. / Project Manager	January 29, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	2-2-24

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.	001	Design Flow (MGD)	0.0056
Latitude	40º 43' 49"	Longitude	-76º 1' 11"
Quad Name		Quad Code	
Wastewater Description:	Sewage Effluent		

Receiving Waters	Beaver Creek (CWF, MF)	Stream Code	2227
NHD Com ID	25986070	RMI	0.84
Drainage Area	4.88	Yield (cfs/mi^2)	0.1
Q_{7-10} Flow (cfs)	0.488	Q_{7-10} Basis	Default LFY
Elevation (ft)	861	Slope (ft/ft)	0.008
Watershed No.	3-A	Chapter 93 Class.	CWF, MF
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	Final	Name	Little Schuylkill River

Background/Ambient Data		Data Source
pH (SU)	-	-
Temperature (°F)	-	-
Hardness (mg/L)	-	-
Other:	-	-

Nearest Downstream Public Water Supply Intake	Pottstown Borough Water Authority		
PWS Waters	Schuylkill River	Flow at Intake (cfs)	105
PWS RMI	57	Distance from Outfall (mi)	~61

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** 0.0056
Latitude 40º 43' 49" **Longitude** -76º 1' 11"
Wastewater Description: Sewage Effluent

Technology-Based Limitations

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

Pollutant	Limit (mg/l)	SBC	Federal Regulation	State Regulation
$CBOD_5$	25.0	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	50.0	IMAX	-	-
Total Suspended Solids	30.0	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	60.0	IMAX	-	-
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform (5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Fecal Coliform (10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)
	1.6	IMAX	-	-

Water Quality-Based Limitations

The following limitations were determined through water quality modeling:

Parameter	Limit (mg/l)	SBC	Model
Dissolved Oxygen	5.0	Minimum	Previous modeling

Best Professional Judgment (BPJ) Limitations

Comments: The 25.0 mg/L Ammonia-N monthly average limitation and 50.0 mg/L IMAX limitation are carried over from the previous renewal.

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Approve	Deny	Signatures	Date
X		Brian Burden Brian Burden, E.I.T. / Project Manager	January 29, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	2-2-24