



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: LANCASTER CNTY SWMA
 ADDRESS: 1299 HARRISBURG PIKE, LANCASTER PA, 17603
 FACILITY: LCSWMA CRESSWELL LF
 LOCATION: 3049 RIVER RD, CONESTOGA PA, 17516-9328
 STAGE: Final Effluent

PA0043486			001			
PERMIT NUMBER			OUTFALL NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	06	01	TO	2024	06	30

Reporting Frequency: Monthly
 DMR Effective From: 06/01/2024
 DMR Effective To: 06/30/2024
 Permit Expires: 01/31/2027
 Permit Application Due: 08/04/2026
 No Discharge:

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	5.5	***	***	mg/L	5/week	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		5/week	Grab
pH (00400)	Sample Measurement	***	***	***	7.3	***	8.2	S.U.	5/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		5/week	Grab
Total Suspended Solids (00530)	Sample Measurement	8.38	8.38	lbs/day	***	7.00	7.00	mg/L	1/month	24-Hr Composite
	Permit Requirement	65 Avg Mo	211 Daily Max		***	27 Avg Mo	88 Daily Max		1/month	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	***	16.7	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/month	Calculation
Ammonia-Nitrogen (00610) (May-Oct)	Sample Measurement	< 1.809	6.683	lbs/day	***	< 1.72	6.370	mg/L	1/week	24-Hr Composite
	Permit Requirement	3.6 Avg Mo	7.2 Daily Max		***	1.5 Avg Mo	3.0 Daily Max		1/week	24-Hr Composite
	Facility Parameter Comments	On 6/18/24, LCSWMA received an Ammonia-Nitrogen lab result of 6.37 mg/L. This resulted in a permit exceedance for both Daily Maximum (mg/L) and Average Monthly (mg/L) Ammonia-Nitrogen concentrations. The cause of this Non-Compliance is suspected to be a laboratory error. A lab error is suspected due to the biological nature of ammonia removal, as well as samples from the prior and following weeks being in compliance. The likelihood of a slug flow in the lagoon treatment system is low.								
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	***	2.0	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/month	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	***	14.7	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/month	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	.25	lbs/day	***	***	.21	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	Monitor & Report Daily Max		***	***	Monitor & Report Daily Max		1/month	24-Hr Composite
Boron, Total (01022)	Sample Measurement	1.50	1.556	lbs/day	***	1.30	1.30	mg/L	2/month	24-Hr Composite
	Permit Requirement	4.73 Avg Mo	7.38 Daily Max		***	1.97 Avg Mo	3.07 Daily Max		2/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	.225	.239	lbs/day	***	.195	.200	mg/L	2/month	24-Hr Composite
	Permit Requirement	4.3 Avg Mo	8.6 Daily Max		***	1.8 Avg Mo	3.6 Daily Max		2/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	GG	GG	lbs/day	***	GG	GG	mg/L		
	Permit Requirement	.26 Avg Mo	.48 Daily Max		***	.11 Avg Mo	.2 Daily Max		2/month	24-Hr Composite
	Facility Parameter Comments	Not sampled due to ELG Parameters Waiver.								
Flow (50050)	Sample Measurement	.13029	.15520	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	599.6	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 54.255	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	71.8	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation



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Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	527.8	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	7.54	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Phenol (34694)	Sample Measurement	GG	GG	lbs/day	***	GG	GG	mg/L	2/month	24-Hr Composite
	Permit Requirement	.036 Avg Mo	.06 Daily Max		***	.015 Avg Mo	.026 Daily Max			
	Facility Parameter Comments	Not sampled due to ELG Parameters Waiver.								
p-Cresol (77146)	Sample Measurement	GG	GG	lbs/day	***	GG	GG	mg/L	2/month	24-Hr Composite
	Permit Requirement	.033 Avg Mo	.06 Daily Max		***	.014 Avg Mo	.025 Daily Max			
	Facility Parameter Comments	Not sampled due to ELG Parameters Waiver.								
Benzoic Acid (77247)	Sample Measurement	GG	GG	lbs/day	***	GG	GG	mg/L	2/month	24-Hr Composite
	Permit Requirement	.17 Avg Mo	.29 Daily Max		***	.071 Avg Mo	.12 Daily Max			
	Facility Parameter Comments	Not sampled due to ELG Parameters Waiver.								
a-Terpineol (77493)	Sample Measurement	GG	GG	lbs/day	***	GG	GG	mg/L	2/month	24-Hr Composite
	Permit Requirement	.04 Avg Mo	.08 Daily Max		***	.016 Avg Mo	.033 Daily Max			
	Facility Parameter Comments	Not sampled due to ELG Parameters Waiver.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	3.11	3.11	lbs/day	***	2.60	2.60	mg/L	1/month	24-Hr Composite
	Permit Requirement	60 Avg Mo	120 Daily Max		***	25 Avg Mo	50 Daily Max		1/month	24-Hr Composite
Facility Sampling Point Comments										



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ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
Lab Accreditation Form_6 2024.pdf	Laboratory Accreditation Form	2024-07-11T11:36:02-04:00	
Sewage Sludge Biosolids Disposal Report_6 2024.pdf	Sewage Sludge / Biosolids Production and Disposal Form	2024-07-11T11:38:09-04:00	
Lab Results_CWLEEFFS_6.6.2024.pdf	Laboratory Analytical Report	2024-07-11T11:39:24-04:00	
Lab Results_CWLEEFFS_6.18.2024.pdf	Laboratory Analytical Report	2024-07-11T11:40:32-04:00	
Lab Results_CWLEEFFS_6.25.2024.pdf	Laboratory Analytical Report	2024-07-11T11:40:55-04:00	
Creswell NPDES Non-Compliance Report 6_2024.pdf	Other	2024-07-11T11:44:12-04:00	PA0043486 NPDES Non-Compliance Reporting Form 6 2024
Daily Effluent Monitoring_6 2024.pdf	Daily Effluent Monitoring Form	2024-07-11T11:34:38-04:00	
Nutrient Monitoring Report_6 2024.pdf	Nutrient Monitoring Form	2024-07-11T11:35:22-04:00	
Hauled In Residual Waste 6 2024.pdf	Hauled-In Residual Waste Form	2024-07-11T11:38:48-04:00	
Lab Results_CWLEEFFS_6.11.2024.pdf	Laboratory Analytical Report	2024-07-11T11:40:08-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
217615	06/01/2024	06/30/2024	Ammonia-Nitrogen	Average Monthly	<1.72	1.5	mg/L	Final Effluent (001)	See attached comments	None taken	See Comment Details for Cause of Non-Compliance Explanation.
217616	06/01/2024	06/30/2024	Ammonia-Nitrogen	Daily Maximum	6.37	3	mg/L	Final Effluent (001)	See attached comments	None taken	See Comment Details for Cause of Non-Compliance Explanation.

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
On 6/18/24, LCSWMA received an Ammonia-Nitrogen lab result of 6.37 mg/L. This resulted in a permit exceedance for both Daily Maximum (mg/L) and Average Monthly (mg/L) Ammonia-Nitrogen concentrations. The cause of this Non-Compliance is suspected to be a laboratory error. A lab error is suspected due to the biological nature of ammonia removal, as well as samples from the prior and following weeks being in compliance. The likelihood of a slug flow in the lagoon treatment system is low.	Jordan L Bigler	324132	(717)-553-5858

SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Daniel Brown	TELEPHONE		DATE		
		(717)	553-5864	2024	07	11
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY