Lakeland Sanitary District

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Influent Flow and Loading

- 1. Monthly Average Flows and BOD Loadings
- 1.1 Verify the following monthly flows and BOD loadings to your facility.

Influent No. 702	Influent Monthly Average Flow, MGD	х	Influent Monthly Average BOD Concentration mg/L	×	8.34	=	Influent Monthly Average BOD Loading, lbs/day
January	0.2523	Х	288	х	8.34	=	606
February	0.2682	Х	277	Х	8.34	=	619
March	0.2425	Х	332	Х	8.34	=	670
April	0.2619	Χ	351	х	8.34	=	766
May	0.2954	Х	320	Х	8.34	11	789
June	0.3324	Х	300	Х	8.34	=	833
July	0.3493	Х	400	Х	8.34	=	1,165
August	0.3064	Х	424	Х	8.34	=	1,084
September	0.2770	Х	390	Х	8.34	=	902
October	0.2590	Х	437	Х	8.34	=	944
November	0.2321	Х	382	Х	8.34	=	740
December	0.2297	Х	330	Х	8.34	=	633

- 2. Maximum Monthly Design Flow and Design BOD Loading
- 2.1 Verify the design flow and loading for your facility.

Design	Design Factor	X	%	T = T	% of Design
Max Month Design Flow, MGD	.75	X	90		0.675
		×	100	=	.75
Design BOD, lbs/day	2250	X	90		2025
		×	100	=	2250

2.2 Verify the number of times the flow and BOD exceeded 90% or 100% of design, points earned, and score:

Total Numb	0				
Points	0				
Exceedances		0	0	0	0
Points per ea		2	1	3	2
December	1	0	0	0	0
November	1	0	0	0	0
October	1	0	0	0	0
September	1	0	0	0	0
August	1	0	0	0	0
July	1	0	0	0	0
June	1	0	0	0	0
May	1	0	0	0	0
April	1	0	0	0	0
March	1	0	0	0	. 0
February 1		0	0	0	0
January	1	0	0	0	0
	of Influent		flow was greater than 100% of	BOD was greater than 90% of design	BOD was greater than 100% of design
		Number of times			Number of times

0

Lakeland Sanitary D	VISTLLICE		Last Updated: 6/14/2024	2023
3. Flow Meter3.1 Was the influenYesO No		brated in the last year? ation date (MM/DD/YYYY)		
If No, please explai	n:			650/24
excessive convention	inity have a sewe	er use ordinance that limited or prol C)BOD, SS, or pH) or toxic substanc I waste, or residences?	nibited the discharg les to the sewer from	e of m
If No, please expla	ain:			
4.2 Was it necessary O Yes No If Yes, please expl		ordinance?		
5. Septage Receiving			**************************************	
	quests to receive Holding Tank	e septage at your facility? S Grease Traps		
• Yes	• Yes	• Yes		
o No	o No	o No		'
5.2 Did you receive septic Tanks • Yes	septage at your	facility? If yes, indicate volume in g	allons.	
O NoHolding TanksYes	140,450	gallons		
O NoGrease TrapsO Yes		gallons		
No5.2.1 If yes to any any of these wastes		ease explain if plant performance is	affected when recei	iving
haulers ask to brin	ig more but we j	holding tanks because creates problust can't. we have had haulers ask the same reasons		
or hazardous situation commercial or industrial or Yes No	ons in the sewer trial discharges i	ational problems, permit violations, system or treatment plant that wer n the last year?	biosolids quality co e attributable to	ncerns,

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6.2 Did your facility accept hauled industrial wastes, landfill leachate, etc.?

o Yes ● No

If yes, describe the types of wastes received and any procedures or other restrictions that were in place to protect the facility from the discharge of hauled industrial wastes.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	Α

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Effluent Quality and Plant Performance (BOD/CBOD)

- 1. Effluent (C)BOD Results
- 1.1 Verify the following monthly average effluent values, exceedances, and points for BOD or

Outfall No.	Monthly	90% of	Effluent Monthly	Months of	Permit Limit	90% Permit		
001	Average	Permit Limit	Average (mg/L)	Discharge	Exceedance	Limit		
	Limit (mg/L)	> 10 (mg/L)		with a Limit		Exceedance		
January	30	27	3	1	0	0		
February	30	27	4	1	0	0		
March	30	27	1	0	0			
April	30	1	0	0				
May	30	27	1	0	0			
June	June 30 27 9				0	0		
July	July 30 27 12				0	0		
August	30	27	1	0	0			
September	30	27	5	1	0	0		
October	30	27	4	1	0	0		
November	November 30 27 4				0	0		
December	30	27	1	0	0			
	* Equals limit if limit is <= 10							
Months of discharge/yr 12								
Points per each exceedance with 12 months of discharge 7								
Exceedances	Exceedances 0							
Points	pints 0							
Total numb	er of points					0		

NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge. Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is 12/6 = 2.0

1.2 If any violations occurred, what action was taken to regain compliance?

Flow Meter Calibration

2.1 Was the effluent flow meter calibrated in the last year?

Yes

Enter last calibration date (MM/DD/YYYY)

2023-06-05

O No

If No, please explain:

- 3. Treatment Problems
- 3.1 What problems, if any, were experienced over the last year that threatened treatment?

we experience high solids, which down the line causes more problems with everything else.

- 4. Other Monitoring and Limits
- 4.1 At any time in the past year was there an exceedance of a permit limit for any other pollutants such as chlorides, pH, residual chlorine, fecal coliform, or metals?
- o Yes
- No

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If Yes, please explain:
4.2 At any time in the past year was there a failure of an effluent acute or chronic whole effluent toxicity (WET) test? O Yes
● No
If Yes, please explain:
4.3 If the biomonitoring (WET) test did not pass, were steps taken to identify and/or reduce source(s) of toxicity?
o Yes
o No
● N/A
Please explain unless not applicable:

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Effluent Quality and Plant Performance (Total Suspended Solids)

1. Effluent Total Suspended Solids Results

1.1 Verify the following monthly average effluent values, exceedances, and points for TSS:

						THE RESERVE AND ADDRESS OF THE PARTY OF THE		
Outfall No.	Monthly	90% of	Effluent Monthly	Months of	Permit Limit	90% Permit		
001	Average	Permit Limit	Average (mg/L)	Discharge	Exceedance	Limit		
	Limit (mg/L)	>10 (mg/L)		with a Limit		Exceedance		
January	30	27	6	1	0	0		
February	30	27	8	1	0	0		
March	30	1	0	0				
April	30	1	0	0				
May	30	27	9	1	0	0		
June	30	27	8	1	0	0		
July	30	27	15	1	0	0		
August 30 27 10 1					0	0		
September	30	1	0	0				
October	30	1	0	0				
November	30	27	10	1	0	0		
December	30	27	14	1	0	0		
* Equals limit if limit is <= 10								
Months of Discharge/yr 12								
Points per each exceedance with 12 months of discharge: 7 3								
Exceedances 0								
Points					0	0		
Total Numi	ber of Points					0		

NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge.

Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is 12/6 = 2.0

1.2 If any violations occurred, what action was taken to regain compliance?

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	Α

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Effluent Quality and Plant Performance (Ammonia - NH3)

1. Effluent Ammonia Results

1.1 Verify the following monthly and weekly average effluent values, exceedances and points for ammonia

Outfall No. Monthly Weekly Effluent Monthly Effluent Effluent Effluent											
001	Average	Average	Monthly	Permit	Weekly	Weekly	Weekly	Weekly	Weekly Permit		
	NH3	NH3	Average	Limit	Average	Average	Average	Average	Limit		
	Limit	Limit	NH3	Exceed		for Week			Exceed		
	(mg/L)	(mg/L)	(mg/L)	ance	1	2	3	4	ance		
January	15	29	.278	0	.3	.433	.307	.147	0		
February 15 29 .492 0 .137 .183 .357 1.29											
March											
April	15	29	1.285	0	1.753	1.393	1.76	.233	0		
May	16	27	1.397	0	.36	.68	1.78	1.537	0		
June	16	27	5.609	0	4.95	5.693	5.04	6.753	0		
July	16	27	5.572	0	3.463	7.743	5.26	5.49	0		
August	August 16 27 6.996 0 6.203 4.793 5.983 13.13										
September	16	27	3.22	0	3.67	3.377	3.517	2.317	0		
October	16	27	2.104	0	4.79	2.573	1.2	1.147	0		
November	25	47	.215	0	.18	.253	.233	.18	0		
December 25 47 .252 0 .377 .17 .18 .28									0		
Points per each exceedance of Monthly average:									10		
Exceedances, Monthly:									0		
Points:								0			
Points per each exceedance of weekly average (when there is no monthly average):								2.5			
Exceedances, Weekly:								0			
Points:									0		
Total Numb	er of Poi	nts							0		

NOTE: Limit exceedances are considered for monthly OR weekly averages but not both. When a monthly average limit exists it will be used to determine exceedances and generate points. This will be true even if a weekly limit also exists. When a weekly average limit exists and a monthly limit does not exist, the weekly limit will be used to determine exceedances and generate points. 1.2 If any violations occurred, what action was taken to regain compliance?

Total Points Generated				
Score (100 - Total Points Generated)	100			
Section Grade	Α			

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Effluent Quality and Plant Performance (Phosphorus)

1. Effluent Phosphorus Results

1.1 Verify the following monthly average effluent values, exceedances, and points for Phosphorus

Total Number of	0			
Exceedances		0		
Points per each	10			
Months of Dischar	12	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
December	1	0.418	1	0
November	1	0.424	1	0
October	1	0.499	1	0
September	1	0.371	1	0
August	1	0.688	1	0
July	1	0.847	1	0
June	1	0.823	1	0
May	1	0.587	1	0
April	1	0.693	1	0
March	1	0.519	1	0
February	1	0.273	1	0
January	1	0.774	1.	0
	phosphorus Limit (mg/L)	Average phosphorus (mg/L)	Discharge with a Limit	Exceedance
Outfall No. 001	Monthly Average	Effluent Monthly	Months of	Permit Limit

NOTE: For systems that discharge intermittently to waters of the state, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge.

Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is 12/6 = 2.0

1.2 If any violations occurred, what action was taken to regain compliance?

Total Points Generated	0		
Score (100 - Total Points Generated)			
Section Grade	А		

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i de		ICH I LA	Janica	I V	L ISLI	

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Biosolids Quality and Management

1. Biosolids Use/Disposal
1.1 How did you use or dispose of your biosolids? (Check all that apply)
☐ Land applied under your permit
☑ Publicly Distributed Exceptional Quality Biosolids
☐ Hauled to another permitted facility
☐ Landfilled
☐ Incinerated
□ Other
NOTE: If you did not remove biosolids from your system, please describe your system type such
as lagoons, reed beds, recirculating sand filters, etc.
1.1.1 If you checked Other, please describe:

3. Biosolids Metals

Number of biosolids outfalls in your WPDES permit:

3.1 For each outfall tested, verify the biosolids metal quality values for your facility during the last calendar year.

Quetall No	002	N 4	ا مداما ما	Clin	J													
Dutiali No.	Outfall No. 003 - Municipal Sludge																	
Parameter	80% of Limit	H.Q. Limit	Ceiling Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80% Value	High Quality	Ceiling
Arsenic		41	75					10									0	0
Cadmium		39	85					1.4									0	0
Copper		1500	4300					590								-	0	0
Lead		300	840					23									0	0
Mercury		17	57					2									0	0
Molybdenum	60		75					14					-			0		0
Nickel	336		420					19								0		0
Selenium	80		100					<0								0		0
Zinc		2800	7500					720									0	0

3.1.1 Number of times any of the metals exceeded the high quality limits OR 80% of the limit for molybdenum, nickel, or selenium = 0

Exceedence Points

- 0 (0 Points)
- 0 1-2 (10 Points)
- 0 > 2 (15 Points)
- 3.1.2 If you exceeded the high quality limits, did you cumulatively track the metals loading at each land application site? (check applicable box)
- o Yes
- O No (10 points)
- N/A Did not exceed limits or no HQ limit applies (0 points)
- N/A Did not land apply biosolids until limit was met (0 points)
- 3.1.3 Number of times any of the metals exceeded the ceiling limits = 0 **Exceedence Points**
- 0 (0 Points)
- 0 1 (10 Points)
- 0 > 1 (15 Points)
- 3.1.4 Were biosolids land applied which exceeded the ceiling limit?
- O Yes (20 Points)
- No (0 Points)

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Density:

Process:

Requirement Met:

Process Description:

Land Applied:

Sample Concentration Amount:

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3.1.5 If any metal limit (high quality or ceiling) was exceeded at any time, what action was taken? Has the source of the metals been identified? 0 4. Pathogen Control (per outfall): 4.1 Verify the following information. If any information is incorrect, use the Report Issue button under the Options header in the left-side menu. Outfall Number: 003 Biosolids Class: Α Bacteria Type and Limit: Fecal Coliform Sample Dates: 01/01/2023 - 12/31/2023 Density: MPN/G TS Sample Concentration Amount: Requirement Met: Yes Land Applied: No Process: Thermophilic Aerobic Digestion Process Description: 10 days retention at 131 degrees f Outfall Number: 005 Biosolids Class: Α Bacteria Type and Limit: Fecal Coliform Sample Dates: 01/01/2023 - 03/31/2023 Density: Sample Concentration Amount: MPN/G TS Requirement Met: Yes Land Applied: No Process: Thermophilic Aerobic Digestion Process Description: 10-day retention time at 131 degrees f. or more Outfall Number: 005 Biosolids Class: Α Bacteria Type and Limit: Fecal Coliform Sample Dates: 04/01/2023 - 06/30/2023

MPN/G TS

Thermophilic Aerobic Digestion

10 days retention at 131 degrees f or more

Yes

No

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Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	07/01/2023 - 09/30/2023
Density:	3
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	No
Process:	Thermophilic Aerobic Digestion
Process Description:	10 days retention at 131 degrees f for ten days or more

Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	10/01/2023 - 12/31/2023
Density:	11
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	No
Process:	Thermophilic Aerobic Digestion
Process Description:	10 days retention time at 131 degree f

- 4.2 If exceeded Class B limit or did not meet the process criteria at the time of land application.
- 4.2.1 Was the limit exceeded or the process criteria not met at the time of land application? O Yes (40 Points)
- No

If yes, what action was taken?

5. Vector Attraction Reduction (per outfall):

5.1 Verify the following information. If any of the information is incorrect, use the Report Issue button under the Options header in the left-side menu.

Outfall Number:	003
Method Date:	05/16/2023
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	No
Limit (if applicable):	>=38
Results (if applicable):	54.6

Outfall Number:	005
Method Date:	01/20/2023
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	No
Limit (if applicable):	>=38
Results (if applicable):	54.6

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	6/14/2024	2023
Outfall Number:	005	
Method Date:	04/05/2023	
Option Used To Satisfy Requirement:	Volatile Solids Reduction	1
Requirement Met:	Yes	
Land Applied:	No	
Limit (if applicable):	>=38	
Results (if applicable):	55.6]
Outfall Number:	005	1
Method Date:	01/18/2024	1
Option Used To Satisfy Requirement:	Volatile Solids Reduction	1
Requirement Met:	Yes	1
Land Applied:	No	1
Limit (if applicable):	>=38	1
Results (if applicable):	54.9	
Outfall Number:	005	1
Method Date:	10/18/2023	
Option Used To Satisfy Requirement:	Volatile Solids Reduction	
Requirement Met:	Yes	1
Land Applied:	No	1
Limit (if applicable):	>=38	1
Results (if applicable):	54.5	
5.2 Was the limit exceeded or the proceYes (40 Points)NoIf yes, what action was taken?	ess criteria not met at the time of land application?	
facility have either on-site or off-site? >= 180 days (0 Points) 150 - 179 days (10 Points) 120 - 149 days (20 Points) 90 - 119 days (30 Points) < 90 days (40 Points) N/A (0 Points) 120 - 149 days (30 Points) A series of the site of the s	iosolids storage capacity did your wastewater treatme	ent O
7. Issues 7.1 Describe any outstanding biosolids i	ssues with treatment, use or overall management:	

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Score (100 - Total Points Generated)	100
Section Grade	Α

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Staffing and Preventative Maintenance (All Treatment Plants)

	7
 Plant Staffing Was your wastewater treatment plant adequately staffed last year? 	
• Yes	
o No	
If No, please explain:	
Could use more help/staff for:	
1.2 Did your wastewater staff have adequate time to properly operate and maintain the plant and	
fulfill all wastewater management tasks including recordkeeping?	
Yes	
o No	
If No, please explain:	
2. Preventative Maintenance	ļ
2.1 Did your plant have a documented AND implemented plan for preventative maintenance on	
major equipment items?	
● Yes (Continue with question 2) □□	
o No (40 points)□□	
If No, please explain, then go to question 3:	
	Ì
2.2 Did this preventative maintenance program depict frequency of intervals, types of lubrication,	
and other tasks necessary for each piece of equipment?	
Yes	0
O No (10 points)	
2.3 Were these preventative maintenance tasks, as well as major equipment repairs, recorded and	
filed so future maintenance problems can be assessed properly?	
• Yes	
O Paper file system	
O Computer system	
Both paper and computer system	
o No (10 points)	
3. O&M Manual	
3.1 Does your plant have a detailed O&M and Manufacturer Equipment Manuals that can be used as a reference when needed?	
• Yes	
o No	
4. Overall Maintenance /Repairs	
4.1 Rate the overall maintenance of your wastewater plant.	
o Excellent	
Very good	
O Good	
O Fair	· ·
O Poor	
Describe your rating:	
We keep up on everything and ad improvements that we come up with.	

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Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	Α

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Operator Certification and Education

1.	0	oer	ato	r-I	n-C	har	·ge

1.1 Did you have a designated operator-in-charge during the report year?

Yes (0 points)

O No (20 points)

Name:

WILBUR W PETERS

Certification No:

33686

2. Certification Requirements

2.1 In accordance with Chapter NR 114.56 and 114.57, Wisconsin Administrative Code, what level and subclass(es) were required for the operator-in-charge (OIC) to operate the wastewater treatment plant and what level and subclass(es) were held by the operator-in-charge?

Sub	SubClass Description	WWTP		OIC	
Class		Advanced	OIT	Basic	Advanced
A1	Suspended Growth Processes	Χ			X
A2	Attached Growth Processes				
А3	Recirculating Media Filters				
A4	Ponds, Lagoons and Natural				X
A5	Anaerobic Treatment Of Liquid			•	
В	Solids Separation	Χ		********	X
С	Biological Solids/Sludges	X			X
Р	Total Phosphorus	X			X
N	Total Nitrogen	,			Х
D	Disinfection	Χ			X
L	Laboratory	Χ		3000000	X
U	Unique Treatment Systems				
SS	Sanitary Sewage Collection	X	NA	Х	NA

2.2 Was the operator-in-charge certified at the appropriate level and subclass(es) to operate this plant? (Note: Certification in subclass SS is required 5 years after permit reissuance.)

- Yes (0 points)
- O No (20 points)
- 2.3 For wastewater treatment facilities with a registered or certified laboratory, is at least one operator that works in the laboratory certified at the basic level in the laboratory (L) subclass?
- Yes
- O No
- o N/A Wastewater treatment facility does not have a registered or certified laboratory
- 2.4 For wastewater treatment facilities that own and operate a sanitary sewage collection system. has at least one operator been designated the OIC for sanitary sewage collection system and certified at the basic level in the sanitary sewage collection system (SS) subclass?
- Yes
- O No
- o N/A Owner of the Wastewater treatment facility does not own and operate a sanitary sewage collection system
- 3. Succession Planning
- 3.1 In the event of the loss of your designated operator-in-charge, did you have a contingency plan to ensure the continued proper operation and maintenance of the plant that includes one or more of the following options (check all that apply)?
- ☐ One or more additional certified operators on staff

0

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 ☑ An arrangement with another certified operator ☐ An arrangement with another community with a certified operator ☑ An operator on staff who has an operator-in-training certificate for yo be certified within one year ☑ A consultant to serve as your certified operator ☐ None of the above (20 points) If "None of the above" is selected, please explain: 	ur plant and is exp	pected to
 4. Continuing Education Credits 4.1 If you had a designated operator-in-charge, was the operator-in-cha Education Credits at the following rates? OIT and Basic Certification: Averaging 6 or more CECs per year. Averaging less than 6 CECs per year. Advanced Certification: Averaging 8 or more CECs per year. Averaging less than 8 CECs per year. Averaging less than 8 CECs per year.	rge earning Contir	nuing

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	Α

Compliance main	tenance Amidai Report		
Lakeland Sanitary Distri	ct	Last Updated: Repo 6/14/2024 2	orting For 2023
Financial Manageme	ent	0,21,2021	
Provider of Financial Ir Name:			
	Julie Benson		
Telephone:	715-356-4454	(XXX) XXX-XXXX	
E-Mail Address			
(optional):	sandist@frontier.com		
	parialsterroritici.com	J	
 2. Treatment Works Oper 2.1 Are User Charges or treatment plant AND/OR Yes (0 points) □□ No (40 points) If No, please explain: 	other revenues sufficient to cover 0	0&M expenses for your wastewater	
2.2.14/2021/2021/2021	Chausa Cushana and Ha		
Year:	Charge System or other revenue sol	urce(s) last reviewed and/or revised?	?
2024	7		o
• 0-2 years ago (0 point			
o 3 or more years ago (20 points)□□		
O N/A (private facility)			
2.3 Did you have a spec financial resources availa plant and/or collection syYes (0 points)	ble for repairing or replacing equipn	gregated Replacement Fund, etc.) or nent for your wastewater treatment	
 No (40 points) 			
REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHA	LL COMPLETE QUESTION 3]	
3. Equipment Replacement	nt Funds ment Replacement Fund last review	od and/ar rayigad?	
Year:		ed and/or revised?	
2023			
1-2 years ago (0 point			
o 3 or more years ago (20 points)□□		
O N/A			
If N/A, please explain:			
2.2 5 1			
3.2 Equipment Replacem	•	,	
_	Reported on Last Year's CMAR	\$ 282,262.32	
	ecessary (e.g. earned interest, wal of excess funds, increase fall, etc.)	\$0.00	
3.2.3 Adjusted January 1	Lst Beginning Balance	\$ 282,262.32	
3.2.4 Additions to Fund (earned interest, etc.)	(e.g. portion of User Fee,	+ \$ 14,516.13	
carnea micrest, etc.)		+ \$ 14,516.13	

Lakeland Sanitary District	Last Update 6/14/2024		or:
3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) 5.3.6 Ending Polymon as of Describes 21 to few CMAP	0	.00	
3.2.6 Ending Balance as of December 31st for CMAR Reporting Year \$	296,778	.45	
All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.			
3.2.6.1 Indicate adjustments, equipment purchases, and/or major repai	rs from 3.2.5 a	above.	
	,475.22	0	
Please note: If you had a CWFP loan, this amount was originally based of Assistance Agreement (FAA) and should be regularly updated as needed instructions and an example can be found by clicking the SectionInstructions and an example can be found by clicking the SectionInstructions and an example can be found by clicking the SectionInstructions and an example can be found by clicking the SectionInstruction and an example can be found by clicking the SectionInstruction and an example can be found by clicking the SectionInstruction and an example can be found by clicking the SectionInstruction and section in the Section Instruction and section in the Section Instruction and section in the Section Instruction and section Instruction Instruction and section Instruction Instructio	l. Further calcutions link unde	ulation er Info	The state of the s
If No, please explain.			
Bank interest earned on account			Ц
 4. Future Planning 4.1 During the next ten years, will you be involved in formal planning for or new construction of your treatment facility or collection system? Yes - If Yes, please provide major project information, if not already long 			
Project Project Description #		Approximate Construction Year	
Wastewater treatment plant facility upgrade.	\$15,598,000		l
Wastewater treatment plant facility upgrade.	\$15,598,000	2024	
3 Wastewater treatment plant facility upgrade.	\$15,598,000	2024	
5. Financial Management General Comments			
ENERGY EFFICIENCY AND USE			\dashv
6. Collection System6.1 Energy Usage6.1.1 Enter the monthly energy usage from the different energy sources:			
COLLECTION SYSTEM PUMPAGE: Total Power Consumed			
Number of Municipally Owned Pump/Lift Stations: 17			

Lakeland Sanitary District

Describe and Comment:

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	83,429	5,680
February	78,586	5,752
March	86,799	5,846
April	82,790	3,648
Мау	79,769	2,874
June	88,056	1,131
July	93,456	860
August	97,673	886
September	97,415	978
October	78,988	1,158
November	79,320	3,086
December	91,495	4,379
Total	1,037,776	36,278
Average	86,481	3,023

6.1.2 Comments:
 6.2 Energy Related Processes and Equipment 6.2.1 Indicate equipment and practices utilized at your pump/lift stations (Check all that apply): ☒ Comminution or Screening ☒ Extended Shaft Pumps
☑ Flow Metering and Recording
☑ Pneumatic Pumping
☑ SCADA System
☐ Self-Priming Pumps
☑ Submersible Pumps
☑ Variable Speed Drives
☐ Other:
6.2.2 Comments:
6.3 Has an Energy Study been performed for your pump/lift stations?
• No
o Yes
Year:
By Whom:

Lakeland Sanitary District

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6.4	Future	Energy	Related	Equip	oment
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6.4.1 What energy efficient equipment or practices do you have planned for the future for your pump/lift stations?

7. Treatment Facility

- 7.1 Energy Usage
- 7.1.1 Enter the monthly energy usage from the different energy sources:

TREATMENT PLANT: Total Power Consumed/Month

	Electricity Consumed (kWh)	Total Influent Flow (MG)	Electricity Consumed/ Flow (kWh/MG)	Total Influent BOD (1000 lbs)	Electricity Consumed/ Total Influent BOD (kWh/1000lbs)	Natural Gas Consumed (therms)
January	64,240	7.82	8,215	18.79	3,419	5,463
February	54,000	7.51	7,190	17.33	3,116	5,473
March	60,160	7.52	8,000	20.77	2,896	5,589
April	59,520	7.86	7,573	22.98	2,590	3,434
May	60,000	9.16	6,550	24.46	2,453	2,370
June	71,040	9.97	7,125	24.99	2,843	1,095
July	67,760	10.83	6,257	36.12	1,876	848
August	72,000	9.50	7,579	33.60	2,143	879
September	72,963	8.31	8,780	27.06	2,696	969
October	59,813	8.03	7,449	29.26	2,044	1,125
November	58,800	6.96	8,448	22.20	2,649	2,949
December	64,240	7.12	9,022	19.62	3,274	4,121
Total	764,536	100.59		297.18		34,315
Average	63,711	8.38	7,682	24.77	2,667	2,860

7.1.2 Comme	nts:
-------------	------

7.2 Energy Related Processes and Equipment
7.2.1 Indicate equipment and practices utilized at your treatment facility (Check all that apply):
□ Aerobic Digestion
☐ Anaerobic Digestion
☐ Biological Phosphorus Removal

☐ Coarse Bubble Diffusers

☑ Dissolved O2 Monitoring and Aeration Control

☐ Effluent Pumping

 $\hfill\square$ Fine Bubble Diffusers

☐ Influent Pumping

 $oxed{oxed}$ Mechanical Sludge Processing

 $\hfill\square$ Nitrification

SCADA System
 System

 $oxed{oxed}$ UV Disinfection

☑ Variable Speed Drives

☐ Other:

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7.2.2 Comments:		
7.3 Future Energy Related Equipment		
7.3.1 What energy efficient equipment or practices do you have planned treatment facility?	for the future for	- your
8. Biogas Generation		
8.1 Do you generate/produce biogas at your facility?NoYesIf Yes, how is the biogas used (Check all that apply):		
Flared Off Building Heat Process Heat Generate Electricity Other:		
9. Energy Efficiency Study		
 9.1 Has an Energy Study been performed for your treatment facility? No O Yes ☐ Entire facility Year: 		
By Whom: Describe and Comment:		
Part of the facility Year: By Whom:		
Describe and Comment:		

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Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	Α

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2023

Sanitary Sewer Collection Systems

1. Capacity, Management, Operation, and Maintenance (CMOM) Program
1.1 Do you have a CMOM program that is being implemented? • Yes
o No
If No, explain:
They explain
1.2 Do you have a CMOM program that contains all the applicable components and items according to Wisc. Adm Code NR 210.23 (4)?
• Yes
O No (30 points)
o N/A
If No or N/A, explain:
1.3 Does your CMOM program contain the following components and items? (check the components and items that apply) ☑ Goals [NR 210.23 (4)(a)]
Describe the major goals you had for your collection system last year:
The overall goal of the CMOM program is to prevent sanitary overflows and basement backups. The goals listed are setup in two different categories. The first is ongoing. These goals are geared towards the long term to ensure continued operation of the collection system, prevent SSOs and basement backups. The yearly goals are established to handle replacement issues that are identified by yearly inspections or address individual sections of the system infrastructure will be determined by the as needed basis. The replacement of the collection system will be by the severity of the problem and the budgeted funds available. Ongoing cleaning, 1/3 of the collection system yearly. The most effective way to preventing backups is routine cleaning. Review sewer use and sewer charge ordinances yearly and make changes as needed. Inspect 1/3 manholes in the system yearly. This can be done in conjunction with the cleaning of the collection system. Continue to use degreaser at the lift stations. Send out pamphlets about rags and wipes in the system.
Did you accomplish them? ● Yes
o No
If No, explain:
T No, explain.
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Does this chapter of your CMOM include:
☑ Organizational structure and positions (eg. organizational chart and position descriptions)
☑ Internal and external lines of communication responsibilities
☑ Person(s) responsible for reporting overflow events to the department and the public
☑ Legal Authority [NR 210.23 (4) (c)]
What is the legally binding document that regulates the use of your sewer system?
sewer ordinance
If you have a Sewer Use Ordin <u>ance or other simila</u> r document, when was it last reviewed and revised? (MM/DD/YYYY) 2023-06-06
Does your sewer use ordinance or other legally binding document address the following: Private property inflow and infiltration
☑ New sewer and building sewer design, construction, installation, testing and inspection
☑ Rehabilitated sewer and lift station installation, testing and inspection

Lakeland Sanitary District Last Updated: Reporting For: 6/14/2024 2023 ☑Sewage flows satellite system and large private users are monitored and controlled, as necessary ☑ Fat, oil and grease control ☑ Enforcement procedures for sewer use non-compliance ☑ Operation and Maintenance [NR 210.23 (4) (d)] Does your operation and maintenance program and equipment include the following: ☑ Equipment and replacement part inventories ☑ Up-to-date sewer system map 🖾 A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation A description of routine operation and maintenance activities (see question 2 below) ☑ Capacity assessment program ☑ Basement back assessment and correction ☑ Regular O&M training ☑ Design and Performance Provisions [NR 210.23 (4) (e)] ☐ ☐ ☐ What standards and procedures are established for the design, construction, and inspection of the sewer collection system, including building sewers and interceptor sewers on private ☑ State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements ☑ Construction, Inspection, and Testing 0 ☐ Others: ☑ Overflow Emergency Response Plan [NR 210.23 (4) (f)]□□ Does your emergency response capability include: ☑ Responsible personnel communication procedures ☑ Response order, timing and clean-up ☑ Public notification protocols ☑ Training ☑ Emergency operation protocols and implementation procedures ☑ Annual Self-Auditing of your CMOM Program [NR 210.23 (5)] ☐ ☐ ☑ Special Studies Last Year (check only those that apply): ☑ Infiltration/Inflow (I/I) Analysis ☐ Sewer System Evaluation Survey (SSES) ☐ Sewer Evaluation and Capacity Managment Plan (SECAP) ☐ Lift Station Evaluation Report ☐ Others: 2. Operation and Maintenance 2.1 Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained. 33.3 % of system/year Cleaning 10 % of system/year Root removal Flow monitoring 100 % of system/year 10 Smoke testing % of system/year Sewer line 30 % of system/year televising Manhole % of system/year inspections 33.3

Lakeland Sanitary Distric	t		Last Update 6/14/2024	
Lift station O&M	100	# per L.S./year		
Manhole rehabilitation	10	% of manholes re	shahhed	
Mainline	10	70 Of Manifoles re	Habbed	
rehabilitation	10	% of sewer lines	rehabbed	
Private sewer	1.0	0/ 25 21/25/2021	_	
inspections	10	% of system/year		
Private sewer I/I removal	10	% of private serv	ices	
River or water				
crossings	100		gs evaluated or main	
Please include additional	l comments about your	r sanitary sewer co	llection system below	<u>/:</u>
3. Performance Indicators			47.4	
3.1 Provide the following	collection system and f al actual amount of pre			
	nual average precipitati	•		
	es of sanitary sewer	ion (for your location	, i j	
	mber of lift stations			
	0 Number of lift station failures			
	0 Number of sewer pipe failures			
	0 Number of basement backup occurrences			
	0 Number of complaints			
Ave	Average daily flow in MGD (if available)			
Pea	Peak monthly flow in MGD (if available)			
Pea	k hourly flow in MGD (if available)		
	.2 Performance ratios for the past year: 0.00 Lift station failures (failures/year)			
	ver pipe failures (pipe f	• •	/vr)	
	nitary sewer overflows		• •	
	sement backups (numb	•		
	nplaints (number/sewe	•		
	king factor ratio (Peak	•	aily Aya)	
	king factor ratio (Peak	•		
I ca	king ractor ratio (i cak	Hodry Airida Dar	iy Avg)	
4. Overflows				
LIST OF SANITARY SEW	/ER (SSO) AND TREATI	MENT FACILITY (TF	O) OVERFLOWS REP	ORTED **
Date	Locatio	n	Cause	Estimated Volume
	None	reported		- VOIGITIC
** If there were any SSOs on this section until correc	or TFOs that are not l	isted above, please	contact the DNR and	d stop work
5. Infiltration / Inflow (I/I)				

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5.1 Was infiltration/inflow (I/I) significant in your community last year? O Yes
● No
If Yes, please describe:
5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? O Yes
No
If Yes, please describe:
5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:
none
5.4 What is being done to address infiltration/inflow in your collection system?
when we inspect the system, if we see a problem we fix it.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	Α

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2023

Grading Summary

WPDES No: 0022837

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS	
Influent	A	4	3	12	
BOD/CBOD	A	4	10	40	
TSS	A	4	5	20	
Ammonia	A	4	5	20	
Phosphorus	Α	4	3	12	
Biosolids	Α	4	5	20	
Staffing/PM	Α	4	1	4	
OpCert	Α	4	1	4	
Financial	Α	4	1	4	
Collection	A	4	3	12	
TOTALS			37	148	
GRADE POINT AVERAGE (GPA) = 4.00					

Notes:

A = Voluntary Range (Response Optional)

B = Voluntary Range (Response Optional)

C = Recommendation Range (Response Required)

D = Action Range (Response Required)

F = Action Range (Response Required)

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Resolution or Owner's Statement		
Name of Governing Body or Owner:		
Date of Resolution or Action Taken:		
Resolution Number:		
Date of Submittal:		
ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATIN SECTIONS (Optional for grade A or B. Required for grade C, D, or F): Influent Flow and Loadings: Grade = A	G TO SPECIFI	C CMAR
Infliction and Educings, Grade – A		
Effluent Quality: BOD: Grade = A		
Effluent Quality: TSS: Grade = A	OFFICE OF THE STATE OF T	
Effluent Quality: Ammonia: Grade = A		
Effluent Quality: Phosphorus: Grade = A	The Problem Co.	- 100 to
Biosolids Quality and Management: Grade = A	***************************************	
Staffing: Grade = A		
Operator Certification: Grade = A		
Financial Management: Grade = A		
Collection Systems: Grade = A	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
(Regardless of grade, response required for Collection Systems if SSOs were	reported)	
ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING GRADE POINT AVERAGE AND ANY GENERAL COMMENTS (Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less the G.P.A. = 4.00		RALL