### **New Lisbon Wastewater Treatment Facility**

Last Updated: Reporting For: 5/17/2024

2023

### **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. 701	Influent Monthly Average Flow, MGD	x	Influent Monthly Average BOD Concentration mg/L	x	8.34	=	Influent Monthly Average BOD Loading, lbs/day
January	0.2285	Х	248	Х	8.34	=	472
February	0.2133	Х	285	Х	8.34	=	507
March	0.2961	Х	235	Х	8.34	=	580
April	0.3995	Х	179	Х	8.34	=	597
May	0.2306	Χ	223	Х	8.34	=	429
June	0.1717	Χ	329	Х	8.34	=	471
July	0.1612	Х	385	Х	8.34	=	517
August	0.1630	Х	329	Х	8.34	=	447
September	0.1536	Χ	323	Х	8.34	=	413
October	0.1595	Х	307	Х	8.34	=	408
November	0.1488	Х	291	Х	8.34	=	362
December	0.1451	Х	288	Х	8.34	=	349

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

Design	Design Factor	х	%	=	% of Design
Max Month Design Flow, MGD	.501	х	90	=	0.4509
		Х	100	=	.501
Design BOD, lbs/day	1310	х	90	=	1179
		Х	100	=	1310

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

Months of Influent		flow was greater	Number of times flow was greater than 100% of	BOD was greater	Number of times BOD was greater than 100% of design
January	1	0	0	0	0
February	1	0	0	0	0
March	1	0	0	0	0
April	1	0	0	0	0
May	1	0	0	0	0
June	1	0	0	0	0
July	1	0	0	0	0
August	1	0	0	0	0
September	1	0	0	0	0
October	1	0	0	0	0
November	1	0	0	0	0
December	1	0	0	0	0
Points per ea	ach	2	1	3	2
Exceedances	5	0	0	0	0
Points		0	0	0	0
Total Numb	per of Po	oints			0

### **New Lisbon Wastewater Treatment Facility**

	5/17/2024	2023
3. Flow Meter 3.1 Was the influent flow meter calibrated in the last year?  ● Yes  Enter last calibration date (MM/DD/YYYY)  2023-06-15		
O No  If No, please explain:		
4. Sewer Use Ordinance 4.1 Did your community have a sewer use ordinance that limited or prohibite excessive conventional pollutants ((C)BOD, SS, or pH) or toxic substances to industries, commercial users, hauled waste, or residences?  ● Yes  ○ No  If No, please explain:		;
4.2 Was it necessary to enforce the ordinance?  ○ Yes  ● No  If Yes, please explain:		
<ul> <li>5. Septage Receiving</li> <li>5.1 Did you have requests to receive septage at your facility?</li> <li>Septic Tanks Holding Tanks Grease Traps</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>		
<ul> <li>No</li> <li>No</li> <li>No</li> <li>No</li> <li>Solution</li> <li>Septic Tanks</li> <li>O Yes</li> <li>■ No</li> <li>If yes, indicate volume in gallon gallons</li> <li>If yes, indicate volume in gallon gallons</li> </ul>	S.	
Holding Tanks  O Yes  Mo  Grease Traps		
<ul> <li>O Yes</li> <li>● No</li> <li>5.2.1 If yes to any of the above, please explain if plant performance is affecting any of these wastes.</li> </ul>	ted when receiving	<b>9</b>
<ul> <li>6. Pretreatment</li> <li>6.1 Did your facility experience operational problems, permit violations, bioso or hazardous situations in the sewer system or treatment plant that were attracted or industrial discharges in the last year?</li> <li>Yes</li> <li>No</li> <li>If yes, describe the situation and your community's response.</li> </ul>		rns,
6.2 Did your facility accept hauled industrial wastes, landfill leachate, etc.?		

Last Updated: Reporting For:

### **New Lisbon Wastewater Treatment Facility**

Last Updated: Reporting For: 5/17/2024 **2023** 

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

**New Lisbon Wastewater Treatment Facility** 

Last Updated: Reporting For:

2023 5/17/2024

### 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 **CBOD**

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit > 10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance	
January	30	27	5	1	0	0	
February	30	27	7	1	0	0	
March	30	27	6	1	0	0	
April	30	27	8	1	0	0	
May	30	27	6	1	0	0	
June	30	27	8	1	0	0	
July	30	27	7	1 0		0	
August	30	27	3	3 1 0		0	
September	30	27	4	1	0	0	
October	30	27	5	1	0	0	0
November	30	27	3	1	0	0	
December	30	27	6	1	0	0	
		* Eq	uals limit if limit is	<= 10			
Months of d	ischarge/yr			12			
Points per e	ach exceedanc	ce with 12 mor	nths of discharge		7	3	
Exceedances 0 0						0	
Points		-			0	0	
Total numb	per 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?

2.	Flow	Motor	Cal	ibration
<b>Z</b> .	LIOM	Merei	Cai	ibi atioi

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

Yes

Enter last calibration date (MM/DD/YYYY)

0023-06-15

O No

If No, please explain:

<b>~</b>	Treatment	D I-	l
≺ .	Iraarmant	Pron	ıamc

3.1 What problems, if any, were experienced over the last year that threatened treatment?

None

- 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

### **New Lisbon Wastewater Treatment Facility**

If Yes, please explain:

If Yes, please explain:

toxicity (WET) test?

2023 5/17/2024 4.2 At any time in the past year was there a failure of an effluent acute or chronic whole effluent

Last Updated: Reporting For:

- 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 Yes No

- O No
- N/A

Please explain unless not applicable:

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

#### **New Lisbon Wastewater Treatment Facility**

Last Updated: 5/17/2024

Last Updated: Reporting For:

2023

## **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:

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	2	1	0	0
February	30	27	2	1	0	0
March	30	27	2	1	0	0
April	30	27	2	1	0	0
May	30	27	2	1	0	0
June	30	27	3	1	0	0
July	30	27	4	1	0	0
August	30	27	3	1	0	0
September	30	27	6	1	0	0
October	30	27	13	1	0	0
November	30	27	7	1	0	0
December	30	27	10	1	0	0
		* Eq	uals limit if limit is	<= 10		
Months of D	ischarge/yr			12		
Points per	each exceed	ance with 12	months of disch	arge:	7	3
Exceedance	S				0	0
Points					0	0
Total Num	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

**New Lisbon Wastewater Treatment Facility** 

\_ast Updated: 5/17/2024

Last Updated: Reporting For:

2023

### **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.	,	Weekly	Effluent	Monthly	Effluent	Effluent	Effluent	Effluent	Weekly
001	Average	Average	Monthly	Permit	Weekly	Weekly	Weekly	Weekly	Permit
	NH3	NH3	Average	Limit	Average	Average	Average	Average for Week	Limit
	Limit	Limit	NH3	Exceed	_			l .	Exceed
	(mg/L)	(mg/L)	(mg/L)	ance	1	2	3	4	ance
January	108	108	.473	0	.84	.27	.2	.523	0
February	108	108	.35	0	.8	.2	.2	.2	0
March	108	108	.2	0	.2	.2	.2	.2	0
April	108	108	.2	0	.2	.2	.2	.2	0
May	108	108	0	0	0	0	0	0	0
June	108	108	0	0	0	0	0	0	0
July	108	108	0	0	0	0	0	0	0
August	108	108	0	0	0	0	0	0	0
September	108	108	0	0	0	0	0	0	0
October	108	108	.2	0	.2	.2	.2	.2	0
November	108	108	.325	0	.2	.2	.2	.275	0
December	108	108	.505	0	.2	.49	1.12	.21	0
Points per e	ach excee	dance of N	1onthly av	erage:					10
Exceedance	Exceedances, Monthly:								0
Points:								0	
Points per each exceedance of weekly average (when there is no monthly average):								2.5	
Exceedance	Exceedances, Weekly:								0
Points:									0
Total Num	ber of Po	ints							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				

### **New Lisbon Wastewater Treatment Facility**

Last Updated: Reporting For: 5/17/2024

2023

### **Effluent Quality and Plant Performance (Phosphorus)**

1. Effluent Phosphorus Results

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

Outfall No. 001	Monthly Average	Effluent Monthly	Months of	Permit Limit
	phosphorus Limit	Average phosphorus	Discharge with a	Exceedance
	(mg/L)	(mg/L)	Limit	
January	1	0.063	1	0
February	1	0.088	1	0
March	1	0.046	1	0
April	1	0.515	1	0
May	1	0.293	1	0
June	1	0.154	1	0
July	1	0.238	1	0
August	1	0.311	1	0
September	1	0.283	1	0
October	1	0.447	1	0
November	1	0.204	1	0
December	1	0.243	1	0
Months of Discharg	e/yr		12	
Points per each e	10			
Exceedances	0			
Total Number of	Points			0

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

### **New Lisbon Wastewater Treatment Facility**

Last Updated: Reporting For: 5/17/2024

2023

# **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:	
2. Land Application Site 2.1 Last Year's Approved and Active Land Application Sites 2.1.1 How many acres did you have? 323.9 acres 2.1.2 How many acres did you use?  26 acres  2.2 If you did not have enough acres for your land application needs, what action was taken?	
2.3 Did you overapply nitrogen on any of your approved land application sites you used last year?  ○ Yes (30 points)  ● No  2.4 Have all the sites you used last year for land application been soil tested in the previous 4 years?  ● Yes  ○ No (10 points)  ○ N/A	0
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.	
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Outfall No.	. 002	- Liq	uid Slu	ıdge														
Parameter	80% of Limit	Limit	Ceiling Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80% Value	High Quality	Ceiling
Arsenic		41	75								<19						0	0
Cadmium		39	85								<2.1						0	0
Copper		1500	4300								310						0	0
Lead		300	840								11						0	0
Mercury		17	57								<.22						0	0
Molybdenum	60		75								12					0		0
Nickel	336		420								40					0		0
Selenium	80		100								<19					0		0
Zinc		2800	7500								610						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 Points)

#### **New Lisbon Wastewater Treatment Facility**

Last Updated: Reporting For: 5/17/2024 **2023** 

0

0

- 0 1-2 (10 Points)
- $\circ$  > 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)
- > 1 (15 Points)
- 3.1.4 Were biosolids land applied which exceeded the ceiling limit?
- Yes (20 Points)
- No (0 Points)
- 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?
- 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:	002
Biosolids Class:	В
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2023 - 12/31/2023
Density:	428,000
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Aerobic Digestion
Process Description:	Sludge is Aerobic digested for at least 40 days prior to being pumped to storage.

- 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?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.

#### **New Lisbon Wastewater Treatment Facility**

Outfall Number:

Method Date:

Option Used To Satisfy Requirement:

Requirement Met:

Land Applied:

Limit (if applicable):

Solution Used To Satisfy Requirement:

Yes

Limit (if applicable):

5.2 Was the limit exceeded or the process criteria not met at the time of land application? • Yes (40 Points)

No

If yes, what action was taken?

6. Biosolids Storage

Results (if applicable):

- 6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site?
- >= 180 days (0 Points)
- o 150 179 days (10 Points)
- 120 149 days (20 Points)
- 90 119 days (30 Points)
- 0 < 90 days (40 Points)</p>
- O N/A (0 Points)
- 6.2 If you checked N/A above, explain why.
- 7. Issues
- 7.1 Describe any outstanding biosolids issues with treatment, use or overall management:

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

0

Last Updated: Reporting For:

**New Lisbon Wastewater Treatment Facility** 

Last Updated: Reporting For: 5/17/2024 **2023** 

# Staffing and Preventative Maintenance (All Treatment Plants)

1. Plant Staffing	
1.1 Was your wastewater treatment plant adequately staffed last year?	
● Yes ○ 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:	
Preventative Maintenance	
2.1 Did your plant have a documented AND implemented plan for preventative maintenance on	
major equipment items?	
<ul> <li>Yes (Continue with question 2) □□</li> </ul>	
O No (40 points)□□	
If No, please explain, then go to question 3:	
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	
Computer system	
Both paper and computer system	
○ 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	
<ul><li>4.1 Rate the overall maintenance of your wastewater plant.</li><li>Excellent</li></ul>	
● Very good	
o Good	
o Fair	
o Poor	
Describe your rating:	
beschibe your running.	Ь

### **New Lisbon Wastewater Treatment Facility**

Last Updated: Reporting For:

5/17/2024

2023

We have a maintenance plan in place and have very few issues with equipment plant is relatively new only 6 years since major rebuild.

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

**New Lisbon Wastewater Treatment Facility** 

Last Updated: Reporting For: 5/17/2024

2023

### Operator Certification and Education

1	00000	+ T-	Cha	
Ι.	Opera	ator-Ir	1-0110	ıı ue

- 1.1 Did you have a designated operator-in-charge during the report year?
- Yes (0 points)
- O No (20 points)

Name:

NICK D WYSS

Certification No:

36205

0

- 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				X
А3	Recirculating Media Filters		Х		
A4	Ponds, Lagoons and Natural				X
A5	Anaerobic Treatment Of Liquid				
В	Solids Separation	Χ			X
С	Biological Solids/Sludges	Χ			X
Р	Total Phosphorus	Χ			X
N	Total Nitrogen				
D	Disinfection	Х			Х
L	Laboratory				Х
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)
- 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?
- o Yes
- o No
- 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

Averaging less than 8 CECs per year.

### **New Lisbon Wastewater Treatment Facility** Last Updated: Reporting For: 5/17/2024 2023 ☐ 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 your plant and is expected to be certified within one year ☒ A consultant to serve as your certified operator 0 ☐ None of the above (20 points) If "None of the above" is selected, please explain: 4. Continuing Education Credits 4.1 If you had a designated operator-in-charge, was the operator-in-charge earning Continuing 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.

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

**New Lisbon Wastewater Treatment Facility** 

Last Updated: Reporting For: 5/17/2024

2023

**Financial Management** 

1. Provider of Financial Info	ormation			
Name:	Lisa Vinz			
Telephone:	(608) 562-5213		(XXX) XXX-XXXX	
E-Mail Address				
(optional):	nlclerk@mwt.net			
treatment plant AND/OR co  • Yes (0 points) □□  • No (40 points)  If No, please explain:  2.2 When was the User Ch Year:  2022  • 0-2 years ago (0 points)  • 3 or more years ago (20  • N/A (private facility)  2.3 Did you have a specia financial resources available plant and/or collection systems of the plant and/or collection systems of the plant and/or points)  • Yes (0 points)	ther revenues sufficient to cover bllection system?  harge System or other revenue so points)  points)  account (e.g., CWFP required so points)  e for repairing or replacing equirem?	egregated	ast reviewed and/or revised?  Replacement Fund, etc.) or your wastewater treatment	0
REPLACEMENT FUNDS [PL	IBLIC MUNICIPAL FACILITIES S	HALL COM	PLETE QUESTION 3]	
<ul> <li>3. Equipment Replacement</li> <li>3.1 When was the Equipm</li> <li>Year:</li> <li>2023</li> <li>1-2 years ago (0 points)</li> <li>3 or more years ago (20</li> <li>N/A</li> <li>If N/A, please explain:</li> </ul>	ent Replacement Fund last revie	wed and/o	or revised?	
3.2 Equipment Replaceme	nt Fund Activity			
3.2.1 Ending Balance Re	eported on Last Year's CMAR		\$ 637,368.77	
3.2.2 Adjustments - if necaudit correction, withdrawa making up previous shortfa		+	\$ 3,509.14	
3.2.3 Adjusted January 1s	· ·		\$ 640,877.91	
3.2.4 Additions to Fund (e earned interest, etc.)	.g. portion of User Fee,	+	\$ 52,883.00	

New Lisbon Wastewater Treatment Facility	Last Updated 5/17/2024	d: Reporting For <b>2023</b>
3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) - \$ 3.2.6 Ending Balance as of December 31st for CMAR Reporting Year \$  All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.	0. 693,760.	91
3.2.6.1 Indicate adjustments, equipment purchases, and/or major repair	rs from 3.2.5 a	bove.
	. Further calcutions link unde	llation r Info
<ul> <li>4. Future Planning</li> <li>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?</li> <li>Yes - If Yes, please provide major project information, if not already li</li> <li>No</li> </ul>		
Project Project Description #		Approximate Construction Year
1 Replace sewer main on east side of Adams St.	\$1,800,000	2026
Financial Management General Comments     None     ENERGY EFFICIENCY AND USE      Collection System     6.1 Energy Usage     6.1.1 Enter the monthly energy usage from the different energy sources:		
6.1.1 Enter the monthly energy usage from the different energy sources: <b>COLLECTION SYSTEM PUMPAGE: Total Power Consumed</b>		
Number of Municipally Owned Pump/Lift Stations: 12		

### **New Lisbon Wastewater Treatment Facility**

Describe and Comment:

Last Updated: Reporting For: 5/17/2024 **2023** 

● No ○ Yes		Electricity Consumed (kWh)	Natural Gas Consumed (therms)	
March         4,944         315           April         6,146         213           May         5,421         75           June         4,306         90           July         3,424         11           August         3,786         18           September         3,843         12           October         3,891         37           November         4,388         47           December         4,594         208           Total         55,190         1,444           Average         4,599         120   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 ScIADA System Self-Priming Pumps ScIADA System Self-Priming Pumps ScIADA System Self-Priming Pumps Uvariable Speed Drives Other: 6.2.2 Comments: None 6.3 Has an Energy Study been performed for your pump/lift stations? None 6.3 Has an Energy Study been performed for your pump/lift stations? None No OYes	January	5,247	210	
April 6,146 213  May 5,421 75  June 4,306 90  July 3,424 11  August 3,786 18  September 3,843 12  October 3,891 37  November 4,388 47  December 4,594 208  Total 55,190 1,444  Average 4,599 120  6.1.2 Comments:  None  5.2 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  □ Self-Priming Pumps □ Variable Speed Drives □ Other:    None	February	5,200	208	
May         5,421         75           June         4,306         90           July         3,424         11           August         3,786         18           September         3,843         12           October         3,891         37           November         4,388         47           December         4,594         208           Total         55,190         1,444           Average         4,599         120   6.1.2 Comments:  None 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:    Other:	March	4,944	315	
June 4,306 90  July 3,424 11  August 3,786 18  September 3,843 12  October 3,891 37  November 4,388 47  December 4,594 208  Total 55,190 1,444  Average 4,599 120  6.1.2 Comments:  None  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:    None	April	6,146	213	
July	May	5,421	75	
August 3,786 18  September 3,843 12  October 3,891 37  November 4,388 47  December 4,594 208  Total 55,190 1,444  Average 4,599 120  6.1.2 Comments:  None  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 Plow Metering and Recording Scholar Pumping Scholar Submersible Pumps Self-Priming Pumps Self-Priming Pumps Submersible Pumps Variable Speed Drives Other:    Other:	June	4,306	90	
September 3,843 12 October 3,891 37 November 4,388 47 December 4,594 208 Total 55,190 1,444 Average 4,599 120  6.1.2 Comments:  None  6.2.2 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 Unimp Pumps Unimp Submersible Pumps Unimple Speed Drives Unitable Speed Drives Other:    None   6.2.2 Comments:   None   6.3.3 Has an Energy Study been performed for your pump/lift stations? No o Yes	July	3,424	11	
October     3,891     37       November     4,388     47       December     4,594     208       Total     55,190     1,444       Average     4,599     120       6.1.2 Comments:     None       5.2 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       ☑ Variable Speed Drives       ☐ Other:       ☐ 6.2.2 Comments:       None       5.3 Has an Energy Study been performed for your pump/lift stations?       ♠ No       O Yes	August	3,786	18	
November 4,388 47   December 4,594 208   Total 55,190 1,444   Average 4,599 120   6.1.2 Comments:  None  6.2.1 Indicate equipment and practices utilized at your pump/lift stations (Check all that apply	September	3,843	12	
Total 55,190 1,444  Average 4,599 120  6.1.2 Comments:  None  6.2.2 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:  None  6.3 Has an Energy Study been performed for your pump/lift stations?  No O Yes	October	3,891	37	
Total 55,190 1,444  Average 4,599 120  6.1.2 Comments:  None  6.2.1 Indicate equipment and practices utilized at your pump/lift stations (Check all that apply ⊠ Comminution or Screening □ Extended Shaft Pumps □ Indicate Pumping □ Pneumatic Pumping □ SCADA System □ Self-Priming Pumps □ Submersible Pumps □ Variable Speed Drives □ Other:  6.2.2 Comments:  None  6.3 Has an Energy Study been performed for your pump/lift stations?  • No o Yes	November	4,388	47	
Average 4,599 120  6.1.2 Comments:  None  6.2.2 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: None  6.3.3 Has an Energy Study been performed for your pump/lift stations?  No O Yes	December	4,594	208	
6.1.2 Comments:    None	Total	55,190	1,444	
6.1.2 Comments:    None	Average	4,599	120	
6.2.2 Comments:  None  6.3 Has an Energy Study been performed for your pump/lift stations?  No  O Yes	☐ Extended☐ Flow Mete ☐ Pneumati☐ SCADA Sy☐ Self-Primi☐ Submersi☐ Variable S	Shaft Pumps ering and Recording c Pumping ystem ing Pumps ble Pumps		
None 6.3 Has an Energy Study been performed for your pump/lift stations?  ● No  ○ Yes				
None  6.3 Has an Energy Study been performed for your pump/lift stations?  • No  • Yes	6.2.2 Comme	ents:		
5.3 Has an Energy Study been performed for your pump/lift stations?  ● No  ○ Yes				
o Yes	.3 Has an En	ergy Study been performo	ed for your pump/lift statio	ns?
V				
Year:	Year:			
By Whom:	By Whom:			

#### **New Lisbon Wastewater Treatment Facility**

Last Updated: Reporting For: 5/17/2024 **2023** 

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

Replace pneumatic pump station with a submersible pump station.

- 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	31,109	7.08	4,394	14.63	2,126	1,137
February	28,489	5.97	4,772	14.20	2,006	1,513
March	33,692	9.18	3,670	17.98	1,874	1,280
April	31,863	11.99	2,657	17.91	1,779	1,137
May	33,097	7.15	4,629	13.30	2,488	970
June	28,797	5.15	5,592	14.13	2,038	438
July	29,998	5.00	6,000	16.03	1,871	100
August	34,622	5.05	6,856	13.86	2,498	97
September	29,484	4.61	6,396	12.39	2,380	18
October	29,430	4.94	5,957	12.65	2,326	17
November	30,985	4.46	6,947	10.86	2,853	1,816
December	31,371	4.50	6,971	10.82	2,899	1,513
Total	372,937	75.08		168.76		10,036
Average	31,078	6.26	5,403	14.06	2,262	836

#### 7.1.2 Comments:

None			

- 7.2 Energy Related Processes and Equipment
- 7.2.1 Indicate equipment and practices utilized at your treatment facility (Check all that apply):
- ☐ Anaerobic Digestion
- ☑ Biological Phosphorus Removal
- ☐ Coarse Bubble Diffusers
- ☑ Dissolved O2 Monitoring and Aeration Control
- ☐ Effluent Pumping
- ☐ Fine Bubble Diffusers
- ☑ Influent Pumping
- ☐ Mechanical Sludge Processing
- ☐ Nitrification

- ☐ Other:

### **New Lisbon Wastewater Treatment Facility**

5/1//2024 <b>2</b>	023
7.2.2 Comments:	
None	
7.3 Future Energy Related Equipment	
7.3.1 What energy efficient equipment or practices do you have planned for the future for your treatment facility?	
None	
8. Biogas Generation	
<ul><li>8.1 Do you generate/produce biogas at your facility?</li><li>No</li></ul>	
<ul> <li>○ Yes</li> <li>If Yes, how is the biogas used (Check all that apply):</li> <li>□ Flared Off</li> </ul>	
☐ Building Heat	
<ul><li>☐ Process Heat</li><li>☐ Generate Electricity</li></ul>	
☐ Other:	
9. Energy Efficiency Study	
9.1 Has an Energy Study been performed for your treatment facility?  O No	
• Yes	
⊠ Entire facility     Year:	
2016	
By Whom:  MSA Engineering	
Describe and Comment:	
Complete study was performed prior to plant upgrades.	
☐ Part of the facility Year:	
Teal.	
By Whom:	
Describe and Comment:	

Last Updated: Reporting For:

New Lisbon Wastewater Treatment Facility	Last Updated:	Reporting For:
	5/17/2024	2023

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

**New Lisbon Wastewater Treatment Facility** 

Last Updated: Reporting For: 5/17/2024

2023

### **Sanitary Sewer Collection Systems**

	—
<ol> <li>Capacity, Management, Operation, and Maintenance (CMOM) Program</li> <li>Do you have a CMOM program that is being implemented?</li> </ol>	
● Yes	
○ No	
If No, 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	
○ No (30 points)	
○ 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:	
Clean and inspect sewer mains and manholes in the system.	
Clean and inspect lift stations in our system.	
Did you accomplish them?	
• Yes	
O No	
If No, explain:	
☐ Organization [NR 210.23 (4) (b)]☐☐	
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 use ordinance	
If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2024-01-01	
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	
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	_

#### **New Lisbon Wastewater Treatment Facility**

☑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  $\square$  Design and Performance Provisions [NR 210.23 (4) (e)]  $\square$ 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 property? ☑ State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements ☑ Construction, Inspection, and Testing ☐ Others:  $\square$  Overflow Emergency Response Plan [NR 210.23 (4) (f)] $\square$ 0 Does your emergency response capability include: ☑ Responsible personnel communication procedures ☐ Response order, timing and clean-up ☑ Public notification protocols ☑ 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  $\square$  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. 52 % of system/year Cleaning % of system/year Root removal % of system/year 100 Flow monitoring % of system/year Smoke testing Sewer line % of system/year televising Manhole % of system/year 22 inspections 12 # per L.S./year Lift station O&M Manhole % of manholes rehabbed rehabilitation Mainline % of sewer lines rehabbed rehabilitation Private sewer % of system/year inspections

Last Updated: Reporting For:

5/17/2024

# New Lisbon Wastewater Treatment Facility Last Updated: Reporting For: 5/17/2024 2023

Private sewer I/I removal	0	% of private servi	ces	
River or water				
crossings				
Please include additiona	al comments about your	sanitary sewer col	lection system belo	w:
3. Performance Indicators		law information for		
3.1 Provide the following 30.06 To	) collection system and r Ital actual amount of pre			
	nnual average precipitati	•		
18.1 Mi	les of sanitary sewer			
12 Nu	umber of lift stations			
0 Nu	ımber of lift station failu	res		
0 Nu	ımber of sewer pipe failu	ıres		
0 Nu	ımber of basement back	up occurrences		
	umber of complaints			
	erage daily flow in MGD	` ,		
	ak monthly flow in MGD	•		
	ak hourly flow in MGD (i	if available)		
3.2 Performance ratios for 0.00 Life	or the past year: ft station failures (failure	s/vear)		
	ewer pipe failures (pipe f		/vr)	
	nitary sewer overflows (		• •	
	sement backups (numbe		.,,	
	omplaints (number/sewe	•		
1.9 Pe	aking factor ratio (Peak	Monthly:Annual Da	aily Avg)	
0.0 Pe	aking factor ratio (Peak	Hourly:Annual Dail	ly Avg)	
4. Overflows				
	WER (SSO) AND TREATM		,	<del> </del>
Date	Locatio	n	Cause	Estimated   Volume
	None	reported		
** If there were any SSC			contact the DNR a	nd ston work
on this section until corre		stea above, picase	: contact the bitter.	nd stop work
5. Infiltration / Inflow (I/I	•			
<ul><li>5.1 Was infiltration/inflo</li><li>O Yes</li></ul>	w (I/I) significant in you	r community last y	ear?	
• No				
If Yes, please describe:				
5.2 Has infiltration/inflow				oblems in
your collection system, li	ft stations, or treatment	plant at any time i	in the past year?	

### **New Lisbon Wastewater Treatment Facility**

New Lisbon Wastewater Treatment Facility	Last Updated: 5/17/2024	Reporting For: <b>2023</b>
• 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 s	ystem?	
Continue to clean and inspect sanitary sewer collection system and re	epair as needed	

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

### **New Lisbon Wastewater Treatment Facility**

5/17/2024

Last Updated: Reporting For: 2023

# **Grading Summary**

WPDES No: 0020699

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	A	4	3	12	
Biosolids	A	4	5	20	
Staffing/PM	A	4	1	4	
OpCert	A	4	1	4	
Financial	A	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)

**New Lisbon Wastewater Treatment Facility** Last Updated: Reporting For: 5/17/2024 2023 **Resolution or Owner's Statement** Name of Governing Body or Owner: City of New Lisbon Date of Resolution or Action Taken: 2024-05-20 Resolution Number: RO520-2401 Date of Submittal: ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F): Influent Flow and Loadings: Grade = A Effluent Quality: BOD: Grade = Effluent Quality: TSS: Grade = A Effluent Quality: Ammonia: Grade = A Effluent Quality: Phosphorus: Grade = A Biosolids Quality and Management: Grade = Staffing: Grade = AOperator Certification: Grade = Financial Management: Grade = A Collection Systems: Grade = A (Regardless of grade, response required for Collection Systems if SSOs were reported) ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL

# **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 than 3.00)

G.P.A. = 4.00