

RESOLUTION No. 2024-011

APPROVAL OF THE 2023 ELECTRONIC COMPLIANCE MAINTENANCE ANNUAL REPORT

WHEREAS, Megan Barnes, the Interim Plant Superintendent/Lead Operator of the Village of Sister Bay has reviewed the 2023 Electronic Compliance Maintenance Annual Report to be submitted to the Wisconsin Department of Natural Resources and found no errors; and,

WHEREAS, on June 11, 2024, the Village of Sister Bay Sewer and Water Utility Committee reviewed the report and recommend the Village Board approve the report.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the Village of Sister Bay, Wisconsin, that the 2023 Electronic Compliance Maintenance Annual Report, prepared by Megan Barnes; reviewed at the June 11, Sewer and Water Utility Committee meeting; and presented at the June 18, 2024, Village Board meeting hereby be approved.

BE IT FURTHER RESOLVED that a copy of this resolution and report be forwarded to the Wisconsin Department of Natural Resources.

Introduced at a regular meeting of the Board of Trustees of the Village of Sister Bay this 18th day of June, 2024.

Passed and adopted this 18th day of June, 2024.



Nate Bell, President

Attest:



Heidi Teich, Village Clerk

VOTE: Ayes 7 No 0

Compliance Maintenance Annual Report

Sister Bay Wastewater Treatment Facility

Last Updated: Reporting For:
5/29/2024 **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	0.1109	x	288	x	8.34	=	266
February	0.1094	x	312	x	8.34	=	284
March	0.1163	x	290	x	8.34	=	281
April	0.2276	x	346	x	8.34	=	656
May	0.1886	x	412	x	8.34	=	648
June	0.2511	x	480	x	8.34	=	1,005
July	0.3207	x	494	x	8.34	=	1,320
August	0.2896	x	520	x	8.34	=	1,255
September	0.2276	x	483	x	8.34	=	918
October	0.2155	x	417	x	8.34	=	749
November	0.1354	x	408	x	8.34	=	461
December	0.1247	x	285	x	8.34	=	296

2. Maximum Monthly Design Flow and Design BOD Loading

2.1 Verify the design flow and loading for your facility.

Design	Design Factor	x	%	=	% of Design
Max Month Design Flow, MGD	.7	x	90	=	0.63
		x	100	=	.7
Design BOD, lbs/day	1780	x	90	=	1602
		x	100	=	1780

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

	Months of Influent	Number of times flow was greater than 90% of	Number of times flow was greater than 100% of	Number of times BOD was greater than 90% of design	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 each		2	1	3	2
Exceedances		0	0	0	0
Points		0	0	0	0
Total Number of Points					0

0

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3. Flow Meter

3.1 Was the influent flow meter calibrated in the last year?

- Yes Enter last calibration date (MM/DD/YYYY)

No

If No, please explain:

4. Sewer Use Ordinance

4.1 Did your community have a sewer use ordinance that limited or prohibited the discharge of excessive conventional pollutants ((C)BOD, SS, or pH) or toxic substances to the sewer from 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:

5. Septage Receiving

5.1 Did you have requests to receive septage at your facility?

- | Septic Tanks | Holding Tanks | Grease Traps |
|--------------------------------------|--------------------------------------|-------------------------------------|
| <input checked="" type="radio"/> Yes | <input checked="" type="radio"/> Yes | <input type="radio"/> Yes |
| <input type="radio"/> No | <input type="radio"/> No | <input checked="" type="radio"/> No |

5.2 Did you receive septage at your facility? If yes, indicate volume in gallons.

- Septic Tanks
 Yes gallons
 No

- Holding Tanks
 Yes gallons
 No

- Grease Traps
 Yes gallons
 No

5.2.1 If yes to any of the above, please explain if plant performance is affected when receiving any of these wastes.

Plant does perform well with the amount of holding and septic tank waste we accept. However, when there is heavy septic hauling, operators must adjust the speed of the ferric chemical feed pumps. The septage choppers are also turned off and the septage is allowed to aerate for additional time before being pumped into the system.

6. Pretreatment

6.1 Did your facility experience operational problems, permit violations, biosolids quality concerns, or hazardous situations in the sewer system or treatment plant that were attributable to commercial or industrial discharges in the last year?

- Yes
 No

If yes, describe the situation and your community's response.

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<p>6.2 Did your facility accept hauled industrial wastes, landfill leachate, etc.?</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Yes<input type="radio"/> No <p>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.</p> <p>Previously, Going Garbage leachate was accepted every two to three months at about 3,000 to 5,000 gallons per load. The plant stopped accepting the leachate in April 2023.</p>
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Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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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 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	2	1	0	0
February	30	27	2	1	0	0
March	30	27	2	1	0	0
April	30	27	3	1	0	0
May	30	27	4	1	0	0
June	30	27	3	1	0	0
July	30	27	7	1	0	0
August	30	27	3	1	0	0
September	30	27	2	1	0	0
October	30	27	2	1	0	0
November	30	27	3	1	0	0
December	30	27	1	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	0
Points		0	0
Total number of points			0

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 Meter Calibration

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

Yes Enter last calibration date (MM/DD/YYYY)

No

If No, please explain:

3. Treatment Problems

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

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?

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?
 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?
 Yes
 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:						
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	2	1	0	0
February	30	27	3	1	0	0
March	30	27	3	1	0	0
April	30	27	3	1	0	0
May	30	27	2	1	0	0
June	30	27	4	1	0	0
July	30	27	4	1	0	0
August	30	27	4	1	0	0
September	30	27	4	1	0	0
October	30	27	3	1	0	0
November	30	27	7	1	0	0
December	30	27	3	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	0
Points					0	0
Total Number of Points					0	0
<p>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.</p> <p>Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is $12/6 = 2.0$</p>						
1.2 If any violations occurred, what action was taken to regain compliance?						

0

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

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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. 001	Monthly Average NH3 Limit (mg/L)	Weekly Average NH3 Limit (mg/L)	Effluent Monthly Average NH3 (mg/L)	Monthly Permit Limit Exceedance	Effluent Weekly Average for Week 1	Effluent Weekly Average for Week 2	Effluent Weekly Average for Week 3	Effluent Weekly Average for Week 4	Weekly Permit Limit Exceedance
January	18	18	0	0				0	0
February	18	18	0	0			0		0
March	18	18	0	0				0	0
April	18	18	0	0				0	0
May									0
June									0
July									0
August									0
September									0
October									0
November	18	18	.085	0		.085			0
December	18	18	.126	0			.126		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 Number of Points									0

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

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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

Outfall No. 001	Monthly Average phosphorus Limit (mg/L)	Effluent Monthly Average phosphorus (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance
January	.6	0.175	1	0
February	.6	0.181	1	0
March	.6	0.227	1	0
April	.6	0.130	1	0
May	.6	0.249	1	0
June	.6	0.435	1	0
July	.6	0.249	1	0
August	.6	0.138	1	0
September	.6	0.118	1	0
October	.6	0.117	1	0
November	.6	0.191	1	0
December	.6	0.159	1	0
Months of Discharge/yr			12	
Points per each exceedance with 12 months of discharge:				10
Exceedances				0
Total Number of Points				0

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

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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.

Outfall No. 002 - Liquid 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				<6.3										0	0
Cadmium		39	85				1.2										0	0
Copper		1500	4300				870										0	0
Lead		300	840				14										0	0
Mercury		17	57				<1.7										0	0
Molybdenum	60		75				13									0		0
Nickel	336		420				34									0		0
Selenium	80		100				<15									0		0
Zinc		2800	7500				900										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)
- 1-2 (10 Points)
- > 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)

- Yes
- 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)
- 1 (10 Points)
- > 1 (15 Points)

3.1.4 Were biosolids land applied which exceeded the ceiling limit?

- Yes (20 Points)
- No (0 Points)

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<p>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?</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	0
<p>6. Biosolids Storage</p> <p>6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site?</p> <ul style="list-style-type: none"> ● <input type="radio"/> >= 180 days (0 Points) ○ <input type="radio"/> 150 - 179 days (10 Points) ○ <input type="radio"/> 120 - 149 days (20 Points) ○ <input type="radio"/> 90 - 119 days (30 Points) ○ <input type="radio"/> < 90 days (40 Points) ○ <input type="radio"/> N/A (0 Points) <p>6.2 If you checked N/A above, explain why.</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	0
<p>7. Issues</p> <p>7.1 Describe any outstanding biosolids issues with treatment, use or overall management:</p> <div style="border: 1px solid black; padding: 5px;"> <p>Currently, our sludge is hauled to the closest permitted facility, Sturgeon Bay, for further treatment. In 2025 Sturgeon Bay will not be able to take our sludge for further treatment. A sludge dryer is currently being explored to become self-sufficient.</p> </div>	

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

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Staffing and Preventative Maintenance (All Treatment Plants)

<p>1. Plant Staffing</p> <p>1.1 Was your wastewater treatment plant adequately staffed last year?</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Yes<input type="radio"/> No <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>Could use more help/staff for:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>1.2 Did your wastewater staff have adequate time to properly operate and maintain the plant and fulfill all wastewater management tasks including recordkeeping?</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Yes<input type="radio"/> No <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	
<p>2. Preventative Maintenance</p> <p>2.1 Did your plant have a documented AND implemented plan for preventative maintenance on major equipment items?</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Yes (Continue with question 2) <input type="checkbox"/><input type="checkbox"/><input type="radio"/> No (40 points) <input type="checkbox"/><input type="checkbox"/> <p>If No, please explain, then go to question 3:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>2.2 Did this preventative maintenance program depict frequency of intervals, types of lubrication, and other tasks necessary for each piece of equipment?</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Yes<input type="radio"/> No (10 points) <p>2.3 Were these preventative maintenance tasks, as well as major equipment repairs, recorded and filed so future maintenance problems can be assessed properly?</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Yes<ul style="list-style-type: none"><input type="radio"/> Paper file system<input type="radio"/> Computer system<input checked="" type="radio"/> Both paper and computer system<input type="radio"/> No (10 points)	0
<p>3. O&M Manual</p> <p>3.1 Does your plant have a detailed O&M and Manufacturer Equipment Manuals that can be used as a reference when needed?</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Yes<input type="radio"/> No	
<p>4. Overall Maintenance /Repairs</p> <p>4.1 Rate the overall maintenance of your wastewater plant.</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Excellent<input type="radio"/> Very good<input type="radio"/> Good<input type="radio"/> Fair<input type="radio"/> Poor <p>Describe your rating:</p> <div style="border: 1px solid black; padding: 5px;">There is a monthly maintenance program in place.</div>	

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

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Operator Certification and Education

<p>1. Operator-In-Charge</p> <p>1.1 Did you have a designated operator-in-charge during the report year?</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Yes (0 points) <input type="radio"/> No (20 points) <p>Name: <input style="width: 300px;" type="text" value="MEGAN L BARNES"/></p> <p>Certification No: <input style="width: 150px;" type="text" value="38596"/></p>	0																																																																																								
<p>2. Certification Requirements</p> <p>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?</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Sub Class</th> <th rowspan="2">SubClass Description</th> <th colspan="2">WWTP</th> <th colspan="2">OIC</th> </tr> <tr> <th>Basic</th> <th>OIT</th> <th>Basic</th> <th>Advanced</th> </tr> </thead> <tbody> <tr><td>A1</td><td>Suspended Growth Processes</td><td>X</td><td></td><td>X</td><td></td></tr> <tr><td>A2</td><td>Attached Growth Processes</td><td></td><td></td><td></td><td></td></tr> <tr><td>A3</td><td>Recirculating Media Filters</td><td></td><td></td><td></td><td></td></tr> <tr><td>A4</td><td>Ponds, Lagoons and Natural</td><td></td><td></td><td></td><td></td></tr> <tr><td>A5</td><td>Anaerobic Treatment Of Liquid</td><td></td><td></td><td></td><td></td></tr> <tr><td>B</td><td>Solids Separation</td><td>X</td><td></td><td>X</td><td></td></tr> <tr><td>C</td><td>Biological Solids/Sludges</td><td>X</td><td></td><td>X</td><td></td></tr> <tr><td>P</td><td>Total Phosphorus</td><td>X</td><td></td><td>X</td><td></td></tr> <tr><td>N</td><td>Total Nitrogen</td><td></td><td></td><td></td><td></td></tr> <tr><td>D</td><td>Disinfection</td><td>X</td><td></td><td>X</td><td></td></tr> <tr><td>L</td><td>Laboratory</td><td>X</td><td></td><td>X</td><td></td></tr> <tr><td>U</td><td>Unique Treatment Systems</td><td></td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>Sanitary Sewage Collection</td><td>X</td><td>NA</td><td>X</td><td>NA</td></tr> </tbody> </table> <p>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.)</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Yes (0 points) <input type="radio"/> No (20 points) <p>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?</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A – Wastewater treatment facility does not have a registered or certified laboratory <p>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?</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A – Owner of the Wastewater treatment facility does not own and operate a sanitary sewage collection system 	Sub Class	SubClass Description	WWTP		OIC		Basic	OIT	Basic	Advanced	A1	Suspended Growth Processes	X		X		A2	Attached Growth Processes					A3	Recirculating Media Filters					A4	Ponds, Lagoons and Natural					A5	Anaerobic Treatment Of Liquid					B	Solids Separation	X		X		C	Biological Solids/Sludges	X		X		P	Total Phosphorus	X		X		N	Total Nitrogen					D	Disinfection	X		X		L	Laboratory	X		X		U	Unique Treatment Systems					SS	Sanitary Sewage Collection	X	NA	X	NA	0
Sub Class			SubClass Description	WWTP		OIC																																																																																			
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D	Disinfection	X		X																																																																																					
L	Laboratory	X		X																																																																																					
U	Unique Treatment Systems																																																																																								
SS	Sanitary Sewage Collection	X	NA	X	NA																																																																																				
<p>3. Succession Planning</p> <p>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)?</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> One or more additional certified operators on staff 																																																																																									

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<input type="checkbox"/> An arrangement with another certified operator <input type="checkbox"/> An arrangement with another community with a certified operator <input checked="" type="checkbox"/> An operator on staff who has an operator-in-training certificate for your plant and is expected to be certified within one year <input type="checkbox"/> A consultant to serve as your certified operator <input type="checkbox"/> None of the above (20 points) If "None of the above" is selected, please explain: <div style="border: 1px solid black; height: 20px; width: 100%; margin-top: 5px;"></div>	0
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: <input checked="" type="radio"/> Averaging 6 or more CECs per year. <input type="radio"/> Averaging less than 6 CECs per year. Advanced Certification: <input type="radio"/> Averaging 8 or more CECs per year. <input type="radio"/> Averaging less than 8 CECs per year.	

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

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Financial Management

<p>1. Provider of Financial Information</p> <p>Name: <input style="width: 150px;" type="text" value="Kara Kroll"/></p> <p>Telephone: <input style="width: 150px;" type="text" value="920-854-4118"/> (XXX) XXX-XXXX</p> <p>E-Mail Address (optional): <input style="width: 300px;" type="text" value="kara.kroll@sisterbaywi.gov"/></p>													
<p>2. Treatment Works Operating Revenues</p> <p>2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?</p> <p>● Yes (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ No (40 points)</p> <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised? Year: <input style="width: 100px;" type="text" value="2023"/></p> <p>● 0-2 years ago (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 3 or more years ago (20 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ N/A (private facility)</p> <p>2.3 Did you have a special account (e.g., CWFPP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?</p> <p>● Yes (0 points)</p> <p>○ No (40 points)</p>	0												
<p>REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]</p>													
<p>3. Equipment Replacement Funds</p> <p>3.1 When was the Equipment Replacement Fund last reviewed and/or revised? Year: <input style="width: 100px;" type="text" value="2023"/></p> <p>● 1-2 years ago (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 3 or more years ago (20 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ N/A</p> <p>If N/A, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>													
<p>3.2 Equipment Replacement Fund Activity</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">3.2.1 Ending Balance Reported on Last Year's CMAR</td> <td style="width: 5%; text-align: right;">\$</td> <td style="width: 35%; text-align: right;"><input style="width: 100%;" type="text" value="864,392.10"/></td> </tr> <tr> <td>3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)</td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="0.00"/></td> </tr> <tr> <td>3.2.3 Adjusted January 1st Beginning Balance</td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="864,392.10"/></td> </tr> <tr> <td>3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)</td> <td style="text-align: right;">+</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="160,833.36"/></td> </tr> </table>	3.2.1 Ending Balance Reported on Last Year's CMAR	\$	<input style="width: 100%;" type="text" value="864,392.10"/>	3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)	\$	<input style="width: 100%;" type="text" value="0.00"/>	3.2.3 Adjusted January 1st Beginning Balance	\$	<input style="width: 100%;" type="text" value="864,392.10"/>	3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	<input style="width: 100%;" type="text" value="160,833.36"/>	
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3.2.3 Adjusted January 1st Beginning Balance	\$	<input style="width: 100%;" type="text" value="864,392.10"/>											
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	<input style="width: 100%;" type="text" value="160,833.36"/>											

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<p>3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) -</p> <p style="text-align: right;">\$ 20,965.00</p> <p>3.2.6 Ending Balance as of December 31st for CMAR Reporting Year</p> <p style="text-align: right;">\$ 1,004,260.46</p> <p>All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.</p> <p>3.2.6.1 Indicate adjustments, equipment purchases, and/or major repairs from 3.2.5 above.</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">The flow Equalization pump and secondary scum and drain pump was replaced.</div> <p>3.3 What amount should be in your Replacement Fund? \$ 1,004,260.46</p> <p>Please note: If you had a CWFPP loan, this amount was originally based on the Financial Assistance Agreement (FAA) and should be regularly updated as needed. Further calculation instructions and an example can be found by clicking the SectionInstructions link under Info header in the left-side menu.</p> <p>3.3.1 Is the December 31 Ending Balance in your Replacement Fund above, (#3.2.6) equal to, or greater than the amount that should be in it (#3.3)?</p> <p><input checked="" type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p>If No, please explain.</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	0								
<p>4. Future Planning</p> <p>4.1 During the next ten years, will you be involved in formal planning for upgrading, rehabilitating, or new construction of your treatment facility or collection system?</p> <p><input type="radio"/> Yes - If Yes, please provide major project information, if not already listed below. <input type="checkbox"/></p> <p><input checked="" type="radio"/> No</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 10%;">Project #</th> <th style="width: 60%;">Project Description</th> <th style="width: 15%;">Estimated Cost</th> <th style="width: 15%;">Approximate Construction Year</th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center; padding: 5px;">None reported</td> </tr> </tbody> </table>		Project #	Project Description	Estimated Cost	Approximate Construction Year	None reported			
Project #	Project Description	Estimated Cost	Approximate Construction Year						
None reported									
<p>5. Financial Management General Comments</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>									
<p>ENERGY EFFICIENCY AND USE</p>									
<p>6. Collection System</p> <p>6.1 Energy Usage</p> <p>6.1.1 Enter the monthly energy usage from the different energy sources:</p> <p>COLLECTION SYSTEM PUMPAGE: Total Power Consumed</p> <p>Number of Municipally Owned Pump/Lift Stations: <input style="width: 50px;" type="text" value="7"/></p>									

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	9,170	
February	9,777	
March	10,061	
April	12,396	
May	2,699	
June	6,581	
July	8,629	
August	7,821	
September	6,312	
October	5,761	
November	6,753	
December	9,635	
Total	95,595	0
Average	7,966	0

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

Yes

Year:

By Whom:

Describe and Comment:

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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?

Installing energy efficient pumps. A lot of the current pumps in the lift stations are the original pumps installed when the collection system was started in the village.

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	51,840	3.44	15,070	8.25	6,284	
February	52,800	3.06	17,255	7.95	6,642	
March	52,000	3.61	14,404	8.71	5,970	
April	47,200	6.83	6,911	19.68	2,398	
May	42,880	5.85	7,330	20.09	2,134	
June	35,360	7.53	4,696	30.15	1,173	
July	63,840	9.94	6,423	40.92	1,560	
August	60,160	8.98	6,699	38.91	1,546	
September	54,560	6.83	7,988	27.54	1,981	
October	30,560	6.68	4,575	23.22	1,316	
November	48,390	4.06	11,919	13.83	3,499	
December	52,000	3.87	13,437	9.18	5,664	
Total	591,590	70.68		248.43		0
Average	49,299	5.89	9,726	20.70	3,347	0

7.1.2 Comments:

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
- Fine Bubble Diffusers
- Influent Pumping
- Mechanical Sludge Processing
- Nitrification
- SCADA System
- UV Disinfection
- Variable Speed Drives

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Other:

7.2.2 Comments:

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?

Currently exploring the possibility of a solar energy drying system as well as adding fine bubble aeration to the oxidation ditch and removing the aeration discs that are currently present.

8. Biogas Generation

8.1 Do you generate/produce biogas at your facility?

No

Yes

If 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

Yes

Entire facility

Year:

2022

By Whom:

WPS - Jared Graham

Describe and Comment:

It was recommended that we work on replacing existing electric space heaters, replace lights with LED, wrap un-insulated hot water pipes with insulation, perform a compressed air system leak survey and reduce the pressure, and replace the panel hinges on the overhead garage doors.

Part of the facility

Year:

By Whom:

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Describe and Comment:	
<input type="text"/>	

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

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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
- 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:

No sanitary sewer overflows (SSOs), no basement back-ups, no infrastructure failure (street or sewer collapse) due to lack of maintenance, maintain capacity for community and industry growth within the community, reduce I/I, identify and eliminate illegal sump pump hook-ups, cross connections and other illicit connections, and continue allocating adequate funding for repair and rehabilitation projects that are projected for the next three years.

Did you accomplish them?

- Yes
- 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?

Municipal Code Chapter 62

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2021-11-09

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
- 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:

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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 property?
 State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements
 Construction, Inspection, and Testing
 Others:

Overflow Emergency Response Plan [NR 210.23 (4) (f)] **0**
 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 Management 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.

Cleaning	<input type="text" value="25"/>	% of system/year
Root removal	<input type="text" value="3"/>	% of system/year
Flow monitoring	<input type="text" value="100"/>	% of system/year
Smoke testing	<input type="text" value="0"/>	% of system/year
Sewer line televising	<input type="text" value="3"/>	% of system/year
Manhole inspections	<input type="text" value="25"/>	% of system/year
Lift station O&M	<input type="text" value="12"/>	# per L.S./year
Manhole rehabilitation	<input type="text" value="1"/>	% of manholes rehabbed
Mainline rehabilitation	<input type="text" value="0"/>	% of sewer lines rehabbed

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Private sewer inspections % of system/year
 Private sewer I/I removal % of private services
 River or water crossings % of pipe crossings evaluated or maintained

Please include additional comments about your sanitary sewer collection system below:

3. Performance Indicators

3.1 Provide the following collection system and flow information for the past year.

Total actual amount of precipitation last year in inches
 Annual average precipitation (for your location)
 Miles of sanitary sewer
 Number of lift stations
 Number of lift station failures
 Number of sewer pipe failures
 Number of basement backup occurrences
 Number of complaints
 Average daily flow in MGD (if available)
 Peak monthly flow in MGD (if available)
 Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

Lift station failures (failures/year)
 Sewer pipe failures (pipe failures/sewer mile/yr)
 Sanitary sewer overflows (number/sewer mile/yr)
 Basement backups (number/sewer mile)
 Complaints (number/sewer mile)
 Peaking factor ratio (Peak Monthly:Annual Daily Avg)
 Peaking factor ratio (Peak Hourly:Annual Daily Avg)

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED **

Date	Location	Cause	Estimated Volume
None reported			

** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected.

5. Infiltration / Inflow (I/I)

5.1 Was infiltration/inflow (I/I) significant in your community last year?

- Yes
- No

If Yes, please describe:

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<p>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?</p> <p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p> <p>If Yes, please describe:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
<p>5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:</p> <div style="border: 1px solid black; padding: 2px;">No significant changes.</div>
<p>5.4 What is being done to address infiltration/inflow in your collection system?</p> <div style="border: 1px solid black; padding: 2px;">Televising 25% of the system yearly, rotating areas each year to hopefully find any problem areas to be repaired to reduce I/I.</div>

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

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Grading Summary

WPDES No: 0022071

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)

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Resolution or Owner's Statement

Name of Governing
Body or Owner:

Sister Bay Utilities

Date of Resolution or
Action Taken:

2024-06-18

Resolution Number:

2024-011

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 = A

Effluent Quality: TSS: Grade = A

Effluent Quality: Ammonia: Grade = A

Effluent Quality: Phosphorus: Grade = A

Biosolids Quality and Management: Grade = A

Staffing: Grade = A

Operator Certification: Grade = A

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