

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

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	9.3492	x	178	x	8.34	=	13,870
February	10.8328	x	153	x	8.34	=	13,806
March	18.2868	x	84	x	8.34	=	12,769
April	14.8130	x	114	x	8.34	=	14,114
May	11.1612	x	154	x	8.34	=	14,325
June	9.3563	x	191	x	8.34	=	14,932
July	8.9662	x	191	x	8.34	=	14,278
August	9.8261	x	180	x	8.34	=	14,728
September	8.4818	x	208	x	8.34	=	14,705
October	9.4929	x	181	x	8.34	=	14,330
November	9.1485	x	184	x	8.34	=	14,034
December	9.0084	x	185	x	8.34	=	13,890

### 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	25.2	x	90	=	22.68
		x	100	=	25.2
Design BOD, lbs/day	27940	x	90	=	25146
		x	100	=	27940

#### 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

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

## 3. Flow Meter

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

- ☒ Yes

Enter last calibration date (MM/DD/YYYY)

2023-08-01

- ☐ 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

- ☒ Yes

- ☒ Yes

- ☐ Yes

- ☐ No

- ☐ No

- ☒ No

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

Septic Tanks

- ☒ Yes

140,917

gallons

- ☐ No

Holding Tanks

- ☒ Yes

6,211,888

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 performance was unaffected as a result of receiving these wastes.

## 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.

N/A

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

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:  
5/29/2024 2023

<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <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> <div><p>We received industrial dairy wastes and process was unaffected.</p></div>	
---	--

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

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

## 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	25	22.5	2	1	0	0
February	25	22.5	2	1	0	0
March	25	22.5	3	1	0	0
April	25	22.5	3	1	0	0
May	25	22.5	3	1	0	0
June	25	22.5	4	1	0	0
July	25	22.5	3	1	0	0
August	25	22.5	2	1	0	0
September	25	22.5	4	1	0	0
October	25	22.5	2	1	0	0
November	25	22.5	2	1	0	0
December	25	22.5	2	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
<b>Total number of points</b>						<b>0</b>

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?

N/A

### 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:

We do not have an effluent flowmeter.

### 3. Treatment Problems

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

There were no issues with treatment during 2023.

### 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

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:  
5/29/2024 2023

If Yes, please explain:

Residual chlorine on July 2, 2023.

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

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

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. 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	4	1	0	0
February	30	27	4	1	0	0
March	30	27	5	1	0	0
April	30	27	5	1	0	0
May	30	27	4	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	4	1	0	0
November	30	27	2	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

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?

N/A

0

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

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

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. 001	Monthly Average NH3 Limit (mg/L)	Weekly Average NH3 Limit (mg/L)	Effluent Monthly Average NH3 (mg/L)	Monthly Permit Limit Exceed ance	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 Exceed ance
January	23	23	1.542	0	1.371	1.4	2.529	1.143	0
February	23	23	1.636	0	.857	2.129	1.971	1.586	0
March	23	23	1.368	0	1.486	.714	1.186	1.929	0
April	23	23	.528	0	1.057	.4	.571	.149	0
May									0
June									0
July									0
August									0
September									0
October									0
November	23	23	.243	0	.08	.086	.214	.493	0
December	23	23	.819	0	.757	.641	.751	1.177	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
<b>Total Number of Points</b>									<b>0</b>

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?

N/A

<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

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 phosphorus Limit (mg/L)	Effluent Monthly Average phosphorus (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance
January	.9	0.309	1	0
February	.9	0.369	1	0
March	.9	0.324	1	0
April	.9	0.307	1	0
May	.9	0.382	1	0
June	.9	0.323	1	0
July	.9	0.428	1	0
August	.9	0.321	1	0
September	.9	0.445	1	0
October	.9	0.408	1	0
November	.9	0.227	1	0
December	.9	0.229	1	0
Months of Discharge/yr			12	
Points per each exceedance with 12 months of discharge:				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?

N/A

0

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

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

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:

Biosolids are sold to an outside contractor for use as a soil conditioner.

### 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. 005 - EQ Dried Sludge - Silo

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	6.8		2.7		5.8		6.9		4.6		5.1			0	0
Cadmium		39	85	.82		.57		.63		.7		.63		.56			0	0
Copper		1500	4300	370		300		330		360		310		330			0	0
Lead		300	840	22		21		21		21		19		24			0	0
Mercury		17	57	2.3		.41		.31		.42		.31		.39			0	0
Molybdenum	60		75	11		11		10		12		13		12		0		0
Nickel	336		420	23		25		20		27		25		31		0		0
Selenium	80		100	<11		<6.1		5.1		6.6		4		<2.9		0		0
Zinc		2800	7500	660		560		540		680		580		590			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)

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

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:	004
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2023 - 02/28/2023
Density:	1
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

Outfall Number:	004
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	03/01/2023 - 04/30/2023
Density:	2
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

Outfall Number:	004
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	05/01/2023 - 06/30/2023
Density:	4
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Outfall Number:	004
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	07/01/2023 - 08/31/2023
Density:	3
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

Outfall Number:	004
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	09/01/2023 - 10/31/2023
Density:	1
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

Outfall Number:	004
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	11/01/2023 - 12/31/2023
Density:	1
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2023 - 02/28/2023
Density:	1
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2023 - 12/31/2023
Density:	2
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	No
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2023 - 12/31/2023
Density:	1
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	No
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2023 - 12/31/2023
Density:	2
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	No
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2023 - 12/31/2023
Density:	1
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	No
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2023 - 12/31/2023
Density:	2
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	No
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2023 - 12/31/2023
Density:	1
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	No
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	03/01/2023 - 04/30/2023
Density:	2
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	05/01/2023 - 06/30/2023
Density:	2
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	07/01/2023 - 08/31/2023
Density:	2
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	09/01/2023 - 10/31/2023
Density:	1
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	11/01/2023 - 12/31/2023
Density:	1
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Heat Drying
Process Description:	Biosolids dried using heat drying process

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.

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Outfall Number:	004
Method Date:	01/23/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>90
Results (if applicable):	96.8

Outfall Number:	004
Method Date:	03/27/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>90
Results (if applicable):	95.3

Outfall Number:	004
Method Date:	05/15/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>90
Results (if applicable):	96.8

Outfall Number:	004
Method Date:	07/31/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>90
Results (if applicable):	98.1

Outfall Number:	004
Method Date:	09/18/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>90
Results (if applicable):	98.2

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Outfall Number:	<b>004</b>
Method Date:	11/06/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>90
Results (if applicable):	97.2

Outfall Number:	<b>005</b>
Method Date:	01/23/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>90
Results (if applicable):	97.3

Outfall Number:	<b>005</b>
Method Date:	07/31/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	No
Limit (if applicable):	>90
Results (if applicable):	93.9

Outfall Number:	<b>005</b>
Method Date:	11/06/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	No
Limit (if applicable):	>90
Results (if applicable):	97.2

Outfall Number:	<b>005</b>
Method Date:	05/15/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	No
Limit (if applicable):	>90
Results (if applicable):	98

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Outfall Number:	005
Method Date:	09/18/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	No
Limit (if applicable):	>90
Results (if applicable):	97.5

Outfall Number:	005
Method Date:	03/27/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	No
Limit (if applicable):	>90
Results (if applicable):	96.3

Outfall Number:	005
Method Date:	01/23/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	No
Limit (if applicable):	>90
Results (if applicable):	97.3

Outfall Number:	005
Method Date:	03/27/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>90
Results (if applicable):	96.3

Outfall Number:	005
Method Date:	05/15/2023
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>90
Results (if applicable):	98

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Outfall Number:	005	
Method Date:	07/31/2023	
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):	>90	
Results (if applicable):	93.9	
Outfall Number:	005	0
Method Date:	09/18/2023	
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):	>90	
Results (if applicable):	97.5	
Outfall Number:	005	
Method Date:	11/06/2023	
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):	>90	
Results (if applicable):	97.2	
5.2 Was the limit exceeded or the process criteria not met at the time of land application?		
<input type="radio"/> Yes (40 Points)		
<input checked="" type="radio"/> No		
If yes, what action was taken?		
<div></div>		
6. Biosolids Storage		
6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site?		
<input checked="" 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)		
6.2 If you checked N/A above, explain why.		
<div></div>		
7. Issues		
7.1 Describe any outstanding biosolids issues with treatment, use or overall management:		
<div></div>		

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:  
5/29/2024 2023

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

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

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

○ No

If No, please explain:

### 2. Preventative Maintenance

2.1 Did your plant have a documented AND implemented plan for preventative maintenance on major equipment items?

● Yes (Continue with question 2) ☐☐

○ 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

○ 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

○ Paper file system

● Computer system

○ Both paper and computer system

○ No (10 points)

0

### 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

○ No

### 4. Overall Maintenance /Repairs

4.1 Rate the overall maintenance of your wastewater plant.

○ Excellent

● Very good

○ Good

○ Fair

○ Poor

Describe your rating:

While the Plant is over 40 years old, it is well-maintained and operates well.

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:  
5/29/2024 2023

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

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

## Operator Certification and Education

### 1. Operator-In-Charge

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

- ☒ Yes (0 points)
- ☐ No (20 points)

Name:

TYLER J HOFFMANN

Certification No:

36909

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 Class	SubClass Description	WWTP	OIC		
		Advanced	OIT	Basic	Advanced
A1	Suspended Growth Processes	X			X
A2	Attached Growth Processes		X		
A3	Recirculating Media Filters				
A4	Ponds, Lagoons and Natural				
A5	Anaerobic Treatment Of Liquid		X		
B	Solids Separation	X			X
C	Biological Solids/Sludges	X			X
P	Total Phosphorus	X			X
N	Total Nitrogen		X		
D	Disinfection	X			X
L	Laboratory	X			X
U	Unique Treatment Systems				
SS	Sanitary Sewage Collection	X	NA	X	NA

0

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?

- ☒ Yes
- ☐ 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
- ☐ No
- ☐ 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

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:  
5/29/2024 2023

<div><input type="checkbox"/> An arrangement with another certified operator</div> <div><input type="checkbox"/> An arrangement with another community with a certified operator</div> <div><input 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</div> <div><input type="checkbox"/> A consultant to serve as your certified operator</div> <div><input type="checkbox"/> None of the above (20 points)</div> <div>If "None of the above" is selected, please explain:<div></div></div>	0
<div>4. Continuing Education Credits</div> <div>4.1 If you had a designated operator-in-charge, was the operator-in-charge earning Continuing Education Credits at the following rates?</div> <div>OIT and Basic Certification:</div> <div><div><input type="radio"/> Averaging 6 or more CECs per year.</div><div><input type="radio"/> Averaging less than 6 CECs per year.</div></div> <div>Advanced Certification:</div> <div><div><input checked="" type="radio"/> Averaging 8 or more CECs per year.</div><div><input type="radio"/> Averaging less than 8 CECs per year.</div></div>	

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

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

## Financial Management

### 1. Provider of Financial Information

Name:

Kaitlyn Krueger

Telephone:

920-459-3440

(XXX) XXX-XXXX

E-Mail Address  
(optional):

kaitlyn.krueger@sheboyganwi.gov

### 2. Treatment Works Operating Revenues

2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?

● Yes (0 points) ☐

○ No (40 points)

If No, please explain:

2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?  
Year:

2023

● 0-2 years ago (0 points) ☐

○ 3 or more years ago (20 points) ☐

○ N/A (private facility)

2.3 Did you have a special account (e.g., CWP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?

● Yes (0 points)

○ No (40 points)

REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]

### 3. Equipment Replacement Funds

3.1 When was the Equipment Replacement Fund last reviewed and/or revised?

Year:

2023

● 1-2 years ago (0 points) ☐

○ 3 or more years ago (20 points) ☐

○ N/A

If N/A, please explain:

### 3.2 Equipment Replacement Fund Activity

#### 3.2.1 Ending Balance Reported on Last Year's CMAR

\$ 1,975,199.60

3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)

\$ 0.00

#### 3.2.3 Adjusted January 1st Beginning Balance

\$ 1,975,199.60

3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)

+

\$ 200,482.00

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below\*)

- \$ 411,122.00

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year

\$ 1,764,559.60

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 repairs from 3.2.5 above.

In April 2023, one of our three aeration blowers was destroyed by fire, for which we received a \$200,482 insurance payment. One of the two remaining blowers was nearing the end of its expected life, and the other was performing inconsistently. Our City Council adopted an emergency resolution to purchase two APG Neuros turbo blowers to bring us into compliance with the aeration capacity required by our DNR permit. As an unbudgeted purchase, the equipment and engineering were taken from the emergency replacement fund,

0

3.3 What amount should be in your Replacement Fund? \$ 1,957,842.32

Please note: If you had a CWWP 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.

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)?

☐ Yes

☒ No

If No, please explain.

As explained above, the engineering and equipment costs in 2023 (as well as installation costs in 2024) were taken from the Equipment Replacement Fund, which will be made whole by the use of fund balance in 2024.

## 4. Future Planning

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?

☒ Yes - If Yes, please provide major project information, if not already listed below. ☐ ☐

☐ No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	Upgrade administrative building HVAC system, including mechanical equipment, electrical service, and controls.	\$550,000	2024
2	Replace the badly corroded beams supporting a 48" influent pipe in anaerobic basins with stainless steel. Seal expansion joints and repair spalled concrete.	\$830,000	2024
3	Sanitary Sewer Lining Projects. The city of Sheboygan is setting aside money annually to line sanitary sewers in conjunction with street replacement projects over the next five years. The estimated cost is the total cost of the work over the next five years.	\$5,000,000	2028
4	Replacement aeration blower.	\$375,000	2025
5	Update 6th and Pershing Lift Station. The lift station will be painted and the controls and electrical will be upgraded.	\$125,000	2024
6	Paint Indiana Lift Station. The lift station cans will be cleaned and painted.	\$24,000	2024
7	Bleach and Bisulfite Tank Replacement, bring ventilation and sprinkler system up to current codes, expand bisulfite containment area, replace doors and eyewash station.	\$505,000	2024

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

8	Upgrade the Plant laboratory with new cupboards, cabinets, and fume hood, as well as new electrical, mechanical and plumbing systems.	\$575,000	2025
9	Ferric Chloride Tank Replacement	\$150,000	2025
10	Grit System Modifications. Baffles will be installed in the Pista grit chamber to improve both low and high flow performance.	\$125,000	2024
11	Replace heat exchangers for the anaerobic digesters.	\$400,000	2024
12	Final Effluent Pumping system replacement	\$75,000	2024
13	Install fine screens and conveyor in the wet well, to augment the screens already in place downstream of the raw pumps. A \$50,000 study is anticipated in 2025.	\$2,000,000	2028
14	Study old digester area for possible demolition or re-use.	\$50,000	2025
15	North Avenue lift station controls and PLC (programmable logic controls) upgrade	\$50,000	2025
16	Replace administrative building roof.	\$550,000	2026
17	Paint North Avenue lift station	\$100,000	2025
18	Indiana Avenue lift station isolation wet well	\$450,000	2026
19	Kentucky Avenue lift station upgrade	\$3,400,000	2027
20	Replace Influent building roof.	\$450,000	2027
21	Complete small storm sewer projects to reduce I/I (\$50,000 budgeted per year for the next five years).	\$250,000	2028
22	Install VFDs on Influent Pumps 2, 3, 4	\$127,500	2027
23	Replace Influent Building HVAC, remove old boilers.	\$400,000	2027
24	Replace Shoreline Interceptor, a 60" concrete pipe between the Kentucky Ave. pump station and the WWTP.	\$12,000,000	2025
25	Install Southside Interceptor, a 48" line serving a business park, interstate corridor and expansive housing development in southwest Sheboygan.	\$31,000,000	2026

5. Financial Management General Comments

Rates have been adequate to support the plant and capital project plans. Ehlers will conduct a comprehensive review of fund balance and rates in this critical area.

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

6.1.1 Enter the monthly energy usage from the different energy sources:

**COLLECTION SYSTEM PUMPAGE: Total Power Consumed**

Number of Municipally Owned Pump/Lift Stations:

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	65,250	295
February	56,797	449
March	100,462	379
April	73,865	258
May	57,298	32
June	53,264	1
July	43,290	0
August	49,828	0
September	40,532	0
October	41,895	13
November	49,750	130
December	45,414	397
Total	677,645	1,954
Average	56,470	217

## 6.1.2 Comments:

N/A

## 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:

N/A

### 6.3 Has an Energy Study been performed for your pump/lift stations?

☐ No

☒ Yes

Year:

2005

By Whom:

Focus on Energy

Describe and Comment:

We continue to work with Focus on Energy and the Department of Energy Better Plants Program to identify projects and improvements.

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

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?

VFDs have been replaced at the North Ave. station. The generators at North Ave. and Kentucky Ave. receive annual contract maintenance and are in good condition. Replace controls at North Ave. Upgrade pumps and controls at Kentucky Ave. Replace pumps and controls at 6th & Pershing and Indian Meadows.

## 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	553,500	289.83	1,910	429.97	1,287	9,914
February	538,200	303.32	1,774	386.57	1,392	17,317
March	625,500	566.89	1,103	395.84	1,580	25,281
April	642,600	444.39	1,446	423.42	1,518	19,132
May	621,000	346.00	1,795	444.08	1,398	14,274
June	693,000	280.69	2,469	447.96	1,547	9,228
July	587,700	277.95	2,114	442.62	1,328	5,210
August	589,500	304.61	1,935	456.57	1,291	7,490
September	510,300	254.45	2,006	441.15	1,157	7,926
October	551,700	294.28	1,875	444.23	1,242	5,215
November	575,100	274.46	2,095	421.02	1,366	10,729
December	370,800	279.26	1,328	430.59	861	4,083
Total	6,858,900	3,916.13		5,164.02		135,799
Average	571,575	326.34	1,821	430.34	1,331	11,317

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

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

- ☐ UV Disinfection  
☒ Variable Speed Drives  
☒ Other:

Process water system pumping.

## 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?

Two upcoming HVAC upgrades are planned to include energy-efficient VAV boxes and controls. The ability to turn down aeration blowers during low demand--and an upgrade to that system's controls--should make significant energy improvement. Replacing 3,200 aeration diffusers has shown energy savings. Installing VFDs on the three remaining raw pumps will allow them to run more efficiently.

## 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:

2005

By Whom:

Focus on Energy

Describe and Comment:

We are presently working with Focus on Energy and the Department of Energy Better Plants Program to identify projects and improvements.

☐ Part of the facility

Year:

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:  
5/29/2024 2023

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

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

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

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

☐ 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:

Continue to implement a preventative maintenance program and respond to emergency overflows. Provide adequate capacity to convey wet-weather flows. Provide resources to mitigate Sanitary Sewer Overflows (SSO's).

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?

City of Sheboygan Sewer Ordinance

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2016-12-05

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:

☒ Equipment and replacement part inventories

☒ Up-to-date sewer system map

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

☒ 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)] ☐ ☐

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:

0

## 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="67"/>	% of system/year
Root removal	<input type="text" value="1.55"/>	% of system/year
Flow monitoring	<input type="text" value="70.78"/>	% of system/year
Smoke testing	<input type="text" value="0"/>	% of system/year
Sewer line televising	<input type="text" value="8.52"/>	% of system/year
Manhole inspections	<input type="text" value="49"/>	% of system/year
Lift station O&M	<input type="text" value="19.6"/>	# per L.S./year
Manhole rehabilitation	<input type="text" value="1.92"/>	% of manholes rehabbed
Mainline rehabilitation	<input type="text" value="0.35"/>	% of sewer lines rehabbed
Private sewer inspections	<input type="text" value="0"/>	% of system/year

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

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:

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?

☐ Yes

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:  
5/29/2024 2023

<ul style="list-style-type: none"><li>● No</li></ul> <p>If Yes, please describe:</p> <div></div>	
5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:	
<div>We have been more intentional in sharing information with outlying communities whose wastewater is treated at our regional plant, striving to all do our part to reduce I/I.</div>	
5.4 What is being done to address infiltration/inflow in your collection system?	
<div>We continue to line sewers as roads are repaired or pipe repairs are required. Plans to repair and protect the Lakeshore Interceptor are proceeding, and construction is expected to start in 2025.</div>	

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

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

## Grading Summary

WPDES No: 0025411

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				
Staffing/PM	A	4	1	4
OpCert	A	4	1	4
Financial	A	4	1	4
Collection	A	4	3	12
<b>TOTALS</b>			<b>32</b>	<b>128</b>
<b>GRADE POINT AVERAGE (GPA) = 4.00</b>				

### 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)

# Compliance Maintenance Annual Report

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

## 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 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 =

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