Sheboygan Wastewater Treatment Plant

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Influent Flow and Loading

Influent No. 701		ent Monthly e Flow, MGD	x	Influent Mor Average Bo Concentration) D		<	8.34	=	Influent Monthly Average BOD Loading, lbs/day
January		7.9596	x	223		×	<	8.34	=	14,815
February	7	7.6294	x	227		X	<	8.34	=	14,448
March	1	0.8293	x	163		X	<	8.34	=	14,747
April	1	4.4433	x	119		X	<	8.34	=	14,327
May	1	1.8588	x	138		×	<	8.34	=	13,649
June	1	2.0469	x	154		×	$\langle $	8.34	=	15,517
July	9	9.2294	x	192		×	<	8.34	=	14,789
August	9	9.0626	x	212		×	<	8.34	=	16,020
September	8	3.7819	x	188		×	<	8.34	=	13,787
October	-	7.8745	x	207		×	<	8.34	=	13,563
November	8	3.7213	x	213		×	<	8.34	=	15,481
December	8	3.9840	x	202		×	~	8.34	=	15,162
2.1 Verify the	e design f		ing f	esign BOD Loadi or your facility.			0/-			% of Docian
2.1 Verify the	e design f Design	flow and load	ing f	or your facility. esign Factor	x		%		=	% of Design
2.1 Verify the	e design f Design	flow and load	ing f	or your facility.	x x		90)		22.68
2.1 Verify the Max Month De	e design f Design esign Flo	flow and load	ing f	or your facility. esign Factor 25.2	x x x x		90 10) 0	=	22.68 25.2
2.1 Verify the	e design f Design esign Flo	flow and load	ing f	or your facility. esign Factor	x x		90) O)	=	22.68
2.1 Verify the Max Month De Design BOD, I	e design f Design esign Flo Ibs/day e number	flow and load w, MGD	ing fo	or your facility. esign Factor 25.2 27940 and BOD excee	x x x x x ded	90% (90 10 90 10) 0) 0 100% c	= = = of de	22.68 25.2 25146 27940 esign, points earned,
2.1 Verify the Max Month De Design BOD, 2.2 Verify the	e design f Design esign Flo Ibs/day e number Months	Number of ti	flow mes	or your facility. esign Factor 25.2 27940 and BOD excee Number of time	x x x x x ded	90% (90 10 90 10 or) 0) 0 100% c	= = = of de	22.68 25.2 25146 27940 esign, points earned, Number of times
2.1 Verify the Max Month De Design BOD, 2.2 Verify the	e design f Design esign Flo Ibs/day e number Months of	flow and load w, MGD of times the Number of ti flow was gre	flow mes	or your facility. esign Factor 25.2 27940 and BOD excee Number of time flow was greate	x x x x x x ded	90% d Numb BOD v	90 10 90 10 or) 0 0 100% c of time s greate	= = = of de es	22.68 25.2 25146 27940 esign, points earned, Number of times BOD was greater
2.1 Verify the Max Month De Design BOD, 1 2.2 Verify the and score:	e design f Design esign Flo Ibs/day e number Months of Influent	flow and load w, MGD of times the Number of ti flow was gre than 90%	flow mes	or your facility. esign Factor 25.2 27940 and BOD excee Number of time flow was greate than 100% of	x x x x x x ded	90% d Numb BOD v	90 10 90 10 0r) 0 100% of of time s greate of des	= = = of de es	22.68 25.2 25146 27940 esign, points earned, Number of times BOD was greater than 100% of design
2.1 Verify the Max Month De Design BOD, 2.2 Verify the	e design f Design esign Flo Ibs/day e number Months of	flow and load w, MGD of times the Number of ti flow was gre	flow mes	or your facility. esign Factor 25.2 27940 and BOD excee Number of time flow was greate	x x x x x x ded	90% d Numb BOD v	90 10 90 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0) 0 0 100% c of time s greate	= = = of de es	22.68 25.2 25146 27940 esign, points earned, Number of times BOD was greater
2.1 Verify the Max Month De Design BOD, 2.2 Verify the and score: January	e design f Design esign Flo Ibs/day e number Months of Influent	flow and load w, MGD of times the Number of ti flow was gre than 90% 0	flow mes	or your facility. esign Factor 25.2 27940 and BOD excee Number of time flow was greate than 100% of 0	x x x x x x ded	90% d Numb BOD v	90 10 90 10 or 0 0 was 0%) 0 0 100% of s greate of des	= = = of de es	22.68 25.2 25146 27940 esign, points earned, Number of times BOD was greater than 100% of design 0
2.1 Verify the Max Month De Design BOD, 1 2.2 Verify the and score: January February	e design f Design esign Flo Ibs/day e number Months of Influent 1	flow and load w, MGD w, MGD of times the Number of ti flow was gre than 90% 0 0 0 0 0	flow mes	or your facility. esign Factor 25.2 27940 and BOD excee Number of time flow was greate than 100% of 0 0	x x x x x x ded	90% d Numb BOD v	90 10 90 10 00 00 00 00 00 00 00 00 00 00 00 00) 0 0 100% c of time s greate o of des 0 0 0	= = = of de es	22.68 25.2 25146 27940 esign, points earned, Number of times BOD was greater than 100% of design 0 0
2.1 Verify the Max Month De Design BOD, I 2.2 Verify the and score: January February March April May	e design f Design esign Flo Ibs/day e number Months of Influent 1 1 1 1 1	flow and load w, MGD w, MGD of times the Number of ti flow was gre than 90% 0 0 0 0 0 0 0	flow mes	or your facility. esign Factor 25.2 27940 and BOD excee Number of time flow was greate than 100% of 0 0 0 0 0	x x x x x x ded	90% d Numb BOD v	90 10 90 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0) 0 0 100% c of time s greate of des 0 0 0 0	= = = of de es	22.68 25.2 25146 27940 esign, points earned, BOD was greater than 100% of design 0 0 0 0 0 0 0
2.1 Verify the Max Month De Design BOD, I 2.2 Verify the and score: January February March April May June	e design f Design esign Flo lbs/day e number Months of Influent 1 1 1 1 1 1 1	flow and load w, MGD w, MGD of times the Number of ti flow was gre than 90% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	flow mes	or your facility. esign Factor 25.2 27940 and BOD excee Number of time flow was greate than 100% of 0 0 0 0 0 0 0 0	x x x x x x ded	90% d Numb BOD v	90 10 90 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0) 0 0 100% c of time s greate of des 0 0 0 0 0 0 0 0	= = = of de es	22.68 25.2 25146 27940 esign, points earned, solution of times BOD was greater than 100% of design 0 0 0 0 0 0 0 0 0 0 0
2.1 Verify the Max Month De Design BOD, I 2.2 Verify the and score: January February March April May	e design f Design esign Flo Ibs/day e number Months of Influent 1 1 1 1 1	flow and load w, MGD w, MGD of times the Number of ti flow was gre than 90% 0 0 0 0 0 0 0	flow mes	or your facility. esign Factor 25.2 27940 and BOD excee Number of time flow was greate than 100% of 0 0 0 0 0	x x x x x x ded	90% d Numb BOD v	90 10 90 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0) 0 0 100% c of time s greate of des 0 0 0 0	= = = of de es	22.68 25.2 25146 27940 esign, points earned, BOD was greater than 100% of design 0 0 0 0 0 0 0

Total Numb	Total Number of Points							
Points		0	0	0	0			
Exceedances		0	0	0	0			
Points per each		2	1	3	2			
December	1	0	0	0	0			
November	1	0	0	0	0			
October	1	0	0	0	0			
September	1	0	0	0	0			
August	1	0	0	0	0			

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 3. Flow Meter 3.1 Was the influe Yes No If No, please exp 	2022-08-23	ed in the last year? h date (MM/DD/YYYY)		
excessive convent	nunity have a sewer us ional pollutants ((C)BO ercial users, hauled was	e ordinance that limited or pr D, SS, or pH) or toxic substa ste, or residences?		
		2		
 4.2 was it necessary Yes No If Yes, please ex 	ary to enforce the ordin	ance?		
5. Septage Receivi	ng			
	requests to receive sep Holding Tanks	tage at your facility? Grease Traps		
• Yes	• Yes	o Yes		
○ No	○ No	• No		
5.2 Did you receiv Septic Tanks ● Yes ○ No	e septage at your facili 201849	ty? If yes, indicate volume in gallons	gallons.	
● No ● Yes ● No	5890959	gallons		
Grease Traps • Yes • No	0	gallons		
		explain if plant performance	is affected when rece	iving
Plant performan	ce was unaffected as a	result of receiving these was	tes.	
or hazardous situa commercial or ind • Yes • No				ncerns,
N/A				
6.2 Did vour facili	v accept hauled indust	rial wastes, landfill leachate,	etc.?	

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• Yes

o No

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

We received industrial dairy wastes and process was unaffected.

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

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Effluent Quality and Plant Performance (BOD/CBOD)

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

Outfall No.	Monthly	90% of	Effluent Monthly	Months of	Permit Limit	90% Permit	
001	Average	Permit Limit	Average (mg/L)	Discharge	Exceedance	Limit	
1	Limit (mg/L)	> 10 (mg/L)	2	with a Limit	0	Exceedance	
January	25	22.5	3	1	0	0	
February	25	22.5	5	1	0	0	
March	25	22.5	2	1	0	0	
April	25	22.5	3	1	0	0	
May	25	22.5	1	0	0		
June	25	22.5	3	1	0	0	
July	25	22.5	1	1	0	0	
August	25	22.5	2	1	0	0	
September	25	22.5	2	1	0	0	
October	25	22.5	1	1	0	0	0
November	25	22.5	3	1	0	0	
December	25	22.5	3	1	0	0	
	-	* Eq	uals limit if limit is	<= 10	-		
Months of d	ischarge/yr			12			
Points per e	ach exceedand	e with 12 mor	ths of discharge		7	3	
Exceedance	S		~		0	0	
Points					0	0	
Total num	ber of points					0	
exceedance the numbe of the year	e for this section r of months of r, the multiplica	on shall be bas discharge. Exa ation factor is	mittently to state sed upon a multipl ample: For a wast 12/6 = 2.0 on was taken to re	ication factor of ewater facility	of 12 months d discharging or	livided by]
 2.1 Was the o Yes No If No, please 	Enter	last calibratio	ed in the last year n date (MM/DD/Y)]]
			nced over the last luring 2022.	year that thre	eatened treatm	ient?]
4.1 At any t		t year was the	re an exceedance fecal coliform, or		nit for any othe	er pollutants	

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If Yes, please explain:

4.2 At any time in the past year was there a failure of an effluent acute or chronic whole effluent toxicity (WET) test?

o Yes

• No

If Yes, please explain:

4.3 If the biomonitoring (WET) test did not pass, were steps taken to identify and/or reduce source(s) of toxicity?

o Yes

o No

• N/A

Please explain unless not applicable:

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

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Effluent Quality and Plant Performance (Total Suspended Solids)

	otal Suspended		s e effluent values, e	exceedances, a	and points for 7	rss:	
Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit >10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance	
January	30	27	5	1	0	0	1
February	30	27	7	1	0	0	11
March	30	27	5	1	0	0	11
April	30	27	4	1	0	0]
May	30	27	3	1	0	0]
June	30	27	4	1	0	0]
July	30	27	3	1	0	0]
August	30	27	3	1	0	0]
September	30	27	4	1	0	0]
October	30	27	4	1	0	0]
November	30	27	4	1	0	0] 0
December	30	27	4	1	0	0	
		* Eq	uals limit if limit is	<= 10			
Months of D)ischarge/yr			12]
Points per	each exceed	ance with 12	months of disch	arge:	7	3]
Exceedance	S				0	0]
Points					0	0	
Total Num	ber of Points				•		1
exceedance the numbe Example: factor is 12	e for this section r of months of For a wastewa 2/6 = 2.0	on shall be bas discharge. ter facility disc	mittently to state sed upon a multipl charging only 6 mo on was taken to re	ication factor of onths of the year	of 12 months d ear, the multip	livided by	

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

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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 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		1.323	0						11
February	23		1.793	0						1
March	23		3.919	0						
April	23		1.69	0						
May										
June										
July										
August										
September										
October										0
November	23		.843	0						
December	23		2.332	0						
Points per e	ach excee	dance of N	Monthly av	verage:					10	
Exceedance	s, Monthly	' :							0	
Points:									0	
Points per e			veekly ave	erage (wh	en there is	s no month	nly averag	e):	2.5	
Exceedance	s, Weekly								0	
Points:									0	
Total Number of Points									0	
NOTE: Limit exceedances are considered for monthly OR weekly averages but not both. When a monthly average limit exists it will be used to determine exceedances and generate points. This will be true even if a weekly limit also exists. When a weekly average limit exists and a monthly limit does not exist, the weekly limit will be used to determine exceedances and generate points. 1.2 If any violations occurred, what action was taken to regain compliance?]	

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

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Effluent Quality and Plant Performance (Phosphorus)

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	0.316	1	0
February	.9	0.384	1	0
March	.9	0.235	1	0
April	.9	0.179	1	0
May	.9	0.185	1	0
June	.9	0.246	1	0
July	.9	0.277	1	0
August	.9	0.364	1	0
September	.9	0.377	1	0
October	.9	0.289	1	0
November	.9	0.269	1	0
December	.9	0.285	1	0
Months of Discharg	e/yr		12	
Points per each e	exceedance with 1	2 months of dischar	ge:	10
Exceedances				0
Total Number of		0		
exceedance for this the number of mor	s section shall be banths of discharge.	rmittently to waters or sed upon a multiplicat charging only 6 month	ion factor of 12 mon	ths divided by

N/A

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

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Biosolids Quality and Management

1. Biosolids 1.1 How d Land a Publicl Hauled Landfil Landfil Other NOTE: If as lagoor 1.1.1 If y	lid yo applie ly Dis d to a lled rated you o ns, re	u use d unc tribut nothe did no ed be	e or dis ler you ed Exc er perr ot rem eds, re	ove l	rmit onal d fac bioso lating	Quali ility lids f g san	rom d filt	osolio your ers, o	ds syste					e you	r sys	tem ty	ype su	ich
Biosolids MetalsNumber of biosolids outfalls in your WPDES permit:																		
			outfal	ls in	your	WPD	ES p	ermi	t:									
	of bios ach ou	solids			•		•			uality	y val	ues fo	or yo	ur fa	cility	durin	g the l	last
Number o 3.1 For ea	of bios ach ou year.	olids utfall	tested	, ver	ify th	ie bio	•			uality	y vali	ues fo	or yo	ur fa	cility	durin	g the I	last
Number o 3.1 For ea calendar y	of bios ach ou year.	olids utfall - EQ	tested	, ver	ify th	ie bio	•			Jul	y valı Aug	ues fo	or yo Oct	ur fa Nov	cility Dec	80%		Ceiling
Number o 3.1 For ea calendar y Outfall No	of bios ach ou year. . 005 80% of	olids utfall - EQ H.Q.	tested Dried Ceiling	, ver Slud	ify th ge -	e bio Silo	osolid	s me	etal q						, 	80%	High	Ceiling
Number o 3.1 For ea calendar y Outfall No Parameter	of bios ach ou year. . 005 80% of	- EQ H.Q. Limit	tested Dried Ceiling Limit	, ver Slud	ge - Feb	e bio Silo	Apr	s me	Jun		Aug		Oct	Nov	, 	80%	High Quality	Ceiling
Number o 3.1 For ea calendar y Outfall No Parameter Arsenic	of bios ach ou year. . 005 80% of	- EQ H.Q. Limit	Dried Dried Ceiling Limit 75	, ver Slud	ge - Feb	e bio Silo	Apr	s me	Jun		Aug 6.4		Oct 3.9	Nov 6.1	, 	80%	High Quality 0	Ceiling 0
Number o 3.1 For ea calendar y Outfall No Parameter Arsenic Cadmium	of bios ach ou year. . 005 80% of	- EQ H.Q. Limit 41 39	Dried Ceiling Limit 75 85	, ver Slud	, ify th ge - Feb 2.1 1.73	e bio Silo	Apr <1.07 2.9	s me	Jun <3.6 .46		Aug 6.4 .76		Oct 3.9 .7	Nov 6.1 .74	, 	80%	High Quality 0 0	Ceiling 0 0
Number o 3.1 For ea calendar y Outfall No Parameter Arsenic Cadmium Copper	of bios ach ou year. . 005 80% of	- EQ H.Q. Limit 41 39 1500	Dried Ceiling Limit 75 85 4300	, ver Slud	ge - Feb 2.1 1.73 388	e bio Silo	Apr <1.07 2.9 376	s me	Jun <3.6 .46 270		Aug 6.4 .76 350		Oct 3.9 .7 360	Nov 6.1 .74 370	, 	80%	High Quality 0 0	Ceiling 0 0
Number o 3.1 For ea calendar y Outfall No Parameter Arsenic Cadmium Copper Lead	f bios ach ou year. . 005 80% of Limit	olids utfall - EQ H.Q. Limit 41 39 1500 300	Dried Ceiling Limit 75 85 4300 840	, ver Slud	ge - Feb 2.1 1.73 388 21.1	e bio Silo	Apr <1.07 2.9 376 20.4	s me	Jun <3.6 .46 270 17		Aug 6.4 .76 350 22		Oct 3.9 .7 360 22	Nov 6.1 .74 370 22	, 	80%	High Quality 0 0 0	Ceiling 0 0 0 0
Number o 3.1 For ea calendar y Outfall No Parameter Arsenic Cadmium Copper Lead Mercury	f bios ach ou year. . 005 80% of Limit	olids utfall - EQ H.Q. Limit 41 39 1500 300	Dried Ceiling Limit 75 85 4300 840 57	, ver Slud	ge - Feb 2.1 1.73 388 21.1 .29	e bio Silo	Apr <1.07 2.9 376 20.4 .411	s me	Jun <3.6 .46 270 17 .27		Aug 6.4 .76 350 22 .61		Oct 3.9 .7 360 22 .77	Nov 6.1 .74 370 22 .36	, 	80% Value	High Quality 0 0 0	Ceiling 0 0 0 0 0
Number o 3.1 For ea calendar y Outfall No Parameter Arsenic Cadmium Copper Lead Mercury Molybdenum	f bios ach ou year. . 005 80% of Limit 60	olids utfall - EQ H.Q. Limit 41 39 1500 300	Dried Ceiling Limit 75 85 4300 840 57 75	, ver Slud	ge - Feb 2.1 1.73 388 21.1 .29 10.4	Silo Mar	Apr <1.07 2.9 376 20.4 .411 9.09	s me	Jun <3.6 .46 270 17 .27 8.6		Aug 6.4 .76 350 22 .61 12		Oct 3.9 .7 360 22 .77 13	Nov 6.1 .74 370 22 .36 14	, 	80% Value	High Quality 0 0 0	Ceiling 0 0 0 0 0 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)
- 0 > 2 (15 Points)

3.1.2 If you exceeded the high quality limits, did you cumulatively track the metals loading at each land application site? (check applicable box)

o Yes

No (10 points)

• N/A - Did not exceed limits or no HQ limit applies (0 points)

 \circ N/A - Did not land apply biosolids until limit was met (0 points)

3.1.3 Number of times any of the metals exceeded the ceiling limits = 0

- Exceedence Points
- 0 (0 Points)
- 0 1 (10 Points)
- 0 > 1 (15 Points)

3.1.4 Were biosolids land applied which exceeded the ceiling limit?

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

C si ...

Density:

Process:

Requirement Met: Land Applied:

Process Description:

Sample Concentration Amount:

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3.1.5 If any metal limit (high quality Has the source of the metals been i	y or ceiling) was exceeded at any time dentified?	e, what action wa	as taken?
4. Pathogen Control (per outfall):4.1 Verify the following information. under the Options header in the left-	If any information is incorrect, use th side menu.	e Report Issue b	outton
Outfall Number:	004		
Biosolids Class:	A		
Bacteria Type and Limit:	Fecal Coliform		
Sample Dates:	01/01/2022 - 02/28/2022		
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:	03/01/2022 - 04/30/2022		

Outfall Number:	004
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	05/01/2022 - 06/30/2022
Density:	1
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Heat Drying
Process Description:	Sample taken from end of Dryer process.

2

Yes

Yes

MPN/G TS

Heat Drying

Biosolids dried using heat drying process

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Outfall Number:	004	
Biosolids Class:	Α	
Bacteria Type and Limit:	Fecal Coliform	
Sample Dates:	07/01/2022 - 08/31/2022	
Density:	1	
Sample Concentration Amount:	MPN/G TS	
Requirement Met:	Yes	
Land Applied:	Yes	
Process:	Heat Drying	
Process Description:	Exceptional quality sludge from the end of the	
	dryer process	
Outfall Number:	004	
Biosolids Class:	Α	
Bacteria Type and Limit:	Fecal Coliform	
Sample Dates:	07/01/2022 - 08/31/2022	
Density:	1	
Sample Concentration Amount:	MPN/G TS	
Requirement Met:	Yes	
Land Applied:	Yes	
Process:	Heat Drying	
Process Description:	Exceptional quality sludge from the silo at the end	
	of conveyance from the dryer.	
Outfall Number:	004	
Biosolids Class:	A	
Bacteria Type and Limit:	Fecal Coliform	
Sample Dates:	09/01/2022 - 10/31/2022	
Density:	1	
Sample Concentration Amount:	MPN/G TS	
Requirement Met:	Yes	
Land Applied:	Yes	
Process:	Heat Drying	
Process Description:	Exceptional quality Sludge from the sludge dryer	
Outfall Number:	004	
Biosolids Class:	Α	
Bacteria Type and Limit:	Fecal Coliform	
Sample Dates:	11/01/2022 - 12/31/2022	
Density:	1	
Sample Concentration Amount:	MPN/G TS	
	Ites	
Requirement Met: Land Applied:	Yes	
Land Applied: Process:	Yes Yes Heat Treatment	

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Outfall Number:	005	
Biosolids Class:	Α	
Bacteria Type and Limit:	Fecal Coliform	
Sample Dates:	01/01/2022 - 02/28/2022	
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:	Α	
Bacteria Type and Limit:	Fecal Coliform	
Sample Dates:	03/01/2022 - 04/30/2022	
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:	Α	
Bacteria Type and Limit:	Fecal Coliform	
Sample Dates:	05/01/2022 - 06/30/2022	
Density:	1	
Sample Concentration Amount:	MPN/G TS	
Requirement Met:	Yes	
Land Applied:	Yes	
Process:	Heat Drying	
Process Description:	Sample taken from end of silo conveyance process]
Outfall Number:	005	
Biosolids Class:	A	
Bacteria Type and Limit:	Fecal Coliform	
Sample Dates:	09/01/2022 - 10/31/2022	
Density:	1	
Sample Concentration Amount:	MPN/G TS	
Requirement Met:	Yes	
Land Applied:	Yes	
Process:	Heat Drying	
Process Description:	Exceptional guality Sludge from the sludge dryer	1

Sheboygan Wastewater Treatment Plant

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Outfall Number:	005
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	11/01/2022 - 12/31/2022
Density:	2
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Heat Treatment
Process Description:	Exceptional quality Sludge from the sludge dryer

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.

Outfall Number:	004
Method Date:	02/22/2022
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>90
Results (if applicable):	96.10

Outfall Number:	004
Method Date:	04/18/2022
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>90
Results (if applicable):	96.70

Outfall Number:	004
Method Date:	06/06/2022
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>90
Results (if applicable):	99.50

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	6/16/2023	2022
Outfall Number:	004	
Method Date:	08/08/2022	
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):	>90	
Results (if applicable):	99.70	
Outfall Number:	004	
Method Date:	10/10/2022	
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):	>90	
Results (if applicable):	98.20	
Outfall Number:	004	
Method Date:	11/07/2022	
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):	>90	
Results (if applicable):	98.50	
Outfall Number:	005	
Method Date:	02/22/2022	_
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):	>90	
Results (if applicable):	96.60	
Outfall Number:	005	
Method Date:	04/18/2022	
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids	
Requirement Met:	Yes	1
Land Applied:	Yes	
Limit (if applicable):	>90	
Results (if applicable):	96.10	1

Sheboygan Wastewater Treatment Plant

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2022

	0,10,2025	
Outfall Number:	005	
Method Date:	06/06/2022	
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):	>90	
Results (if applicable):	99.90	
Outfall Number:	005	
Method Date:	08/08/2022	
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):	>90	
Results (if applicable):	99.30	

Outfall Number:	005
Method Date:	10/10/2022
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>90
Results (if applicable):	97.50

Outfall Number:	005
Method Date:	11/07/2022
Option Used To Satisfy Requirement:	Drying With Unstabilized Solids
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>90
Results (if applicable):	97.50

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

No

If yes, what action was taken?

6. Biosolids Storage

6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site?

 $\circ >= 180$ days (0 Points)

o 150 - 179 days (10 Points)

• 120 - 149 days (20 Points)

○ 90 - 119 days (30 Points)

 \circ < 90 days (40 Points)

• N/A (0 Points)

6.2 If you checked N/A above, explain why.

Sheboygan Wastewater Treatment Plant

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7. Issues

7.1 Describe any outstanding biosolids issues with treatment, use or overall management:

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

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For: 6/16/2023 2022

Staffing and Preventative Maintenance (All Treatment Plants)

 Plant Staffing Was your wastewater treatment plant adequately staffed last year? Yes 	
o No	
If No, please explain:	
N/A	
Could use more help/staff for:	
N/A	
 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:	
N/A	
 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) 	0
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) 	
 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	
o Poor	
Describe your rating:	

Sheboygan	Wastewater	Treatment Plant
-----------	------------	-----------------

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

Sheboygan Wastewater Treatment Plant

Last Updated: Reporting For: 6/16/2023 **2022**

Operator Certification and Education

-						
1.1 Did y ● Yes (0 ○ No (2 Name:	0 points) /LER J HOFFMANN	n-charge during the	report year?			0
2.1 In ac and subc treatmen	ation Requirements cordance with Chapter NR 114.5 lass(es) were required for the op t plant and what level and subcla	erator-in-charge (O ass(es) were held by	IC) to operat	e the waster r-in-charge?	water	
Sub	SubClass Description	WWTP		OIC		
Class		Advanced	OIT	Basic	Advanced	
A1	Suspended Growth Processes	Х			Х	
A2	Attached Growth Processes		X			
A3	Recirculating Media Filters					
A4	Ponds, Lagoons and Natural					
A5	Anaerobic Treatment Of Liquid		Х			
В	Solids Separation	Х			Х	0
C	Biological Solids/Sludges	Х			Х	Ŭ
Р	Total Phosphorus	Х			Х	
N	Total Nitrogen		Х			
D	Disinfection	Х			Х	
L	Laboratory	Х			Х	
U	Unique Treatment Systems					
SS	Sanitary Sewage Collection	Х	NA	Х	NA	
plant? (N • Yes (0	the operator-in-charge certified a ote: Certification in subclass SS points) 0 points)				perate this	
3.1 In the to ensure of the fol ⊠ One c □ An ar □ An ar □ An ope be cer □ A con □ None If "None	sion Planning e event of the loss of your design the continued proper operation lowing options (check all that ap or more additional certified opera rangement with another certified rangement with another commun erator on staff who has an opera tified within one year sultant to serve as your certified of the above (20 points) of the above" is selected, please	and maintenance of ply)? tors on staff operator hity with a certified tor-in-training certif operator	f the plant th operator	at includes o	one or more	o
4.1 If you	ing Education Credits I had a designated operator-in-c I Credits at the following rates?	harge, was the oper	rator-in-char	ge earning C	ontinuing	

Sheboygan Wastewater Treatment Plant	Last Updated: 6/16/2023	Reporting For 2022
 OIT and Basic Certification: Averaging 6 or more CECs per year. Averaging less than 6 CECs per year. Advanced Certification: Averaging 8 or more CECs per year. Averaging less than 8 CECs per year. 		

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

Sheboygan Wastewater T	reatment Plant	Last Updated: Reporting F 6/16/2023 2022	For:
Financial Managemer	nt		
1. Provider of Financial Inf Name:	ormation Kaitlyn Krueger		
Telephone:	920-459-3440	(XXX) XXX-XXXX	
E-Mail Address (optional):	Kaitlyn.Krueger@sheboyganwi.gov		
treatment plant AND/OR c ● Yes (0 points) □□ ○ No (40 points) If No, please explain:	other revenues sufficient to cover O&M ex	penses for your wastewater	
N/A 2.2 When was the User C Year: 2022 • 0-2 years ago (0 points o 3 or more years ago (2 o N/A (private facility)	-	last reviewed and/or revised?	C
2.3 Did you have a specia	Il account (e.g., CWFP required segregate le for repairing or replacing equipment fo tem?		
○ No (40 points)			
3. Equipment Replacement	nent Replacement Fund last reviewed and		
 3 or more years ago (2 N/A If N/A, please explain: 	-		
3.2 Equipment Replaceme	ent Fund Activity		
3.2.1 Ending Balance R	eported on Last Year's CMAR	\$ 1,975,199.60	
	cessary (e.g. earned interest, al of excess funds, increase all, etc.)	\$ 0.00	
3.2.3 Adjusted January 1		\$ 1,975,199.60	
3.2.4 Additions to Fund (a	a portion of User Fee		

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

+ \$

0.00

Sheboy	gan Wastewater Treatment Plant	Last Update 6/16/2023	ed: Reporting		
replace 3.2.6.2	Subtractions from Fund (e.g., equipment ement, major repairs - use description box 1 below*) - \$	0	0.00		
	Ending Balance as of December 31st for CMAR ting Year	1,975,199	0.60		
Equipm	rces: This ending balance should include all ent Replacement Funds whether held in a ccount(s), certificate(s) of deposit, etc.				
3.2.6	.1 Indicate adjustments, equipment purchases, and/or major repairs	s from 3.2.5	above.		
N/A	A contract of the second se				
3.3 W	'hat amount should be in your Replacement Fund? \$ 1,975,2	199.60		0	
Assis instr head 3.3.1 great • Ye • No	 3.3 What amount should be in your Replacement Fund? \$ 1,975,199.60 Please note: If you had a CWFP 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. 				
4.1 D or new ● Yes	 Ire Planning uring the next ten years, will you be involved in formal planning for u construction of your treatment facility or collection system? If Yes, please provide major project information, if not already list 				
○ No		-			
Project #	t Project Description	Estimated Cost	Approximate Construction Year		
1	Replacing/refurbishing the last primary and secondary clarifier drives. When completed each clarifier drive will have been replaced over the course of the past 5 years.	\$210,000	2023		
2	Fine bubble diffuser system maintenance and aeration basin repairs. The scope will also include the replacement of the beams supporting the walls in the anoxic and anerobic zones.	\$440,000	2023		
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	2027		
4	Replacement aeration blower.	\$375,000			
5	Update 6th and Pershing Lift Station. The lift station will be painted and the controls and electrical will be upgraded.	\$125,000			
6	Paint Indiana Lift Station. The lift station cans will be cleaned and painted.	\$100,000			
7	Bleach and Bisulfite Tank Replacement	\$250,000			
8	Administrative Building HVAC Controls and air conditioning unit. The Admin building will be broken up into zones and the heating and air conditioning controls will be updated along with replacement of the air conditioning unit.	\$550,000	2024		
9	Ferric Chloride Tank Replacement	\$150,000			
10	Grit System Modifications. Baffles will be installed in the pista grit to improve both low and high flow performance.	\$125,000			
11	Replace heat exchangers for the anaerobic digesters.	\$400,000	2023		

sooyyan wa	oygan Wastewater Treatment Plant		Last Updated: 6/16/2023	Reporting F 2022
				2022
	uent Pumping system replaceme	ent	\$75,000	2023
	aintenance beams installation		\$75,000 \$40,000	2023
	North Avenue lift station generator control upgrades			2024
	North Avenue lift station controls upgrade Replace north entrance gates to treatment plant			2025 2025
	rth Avenue lift station		\$50,000 \$100,000	2025
	ration Building roof replacement	t	\$100,000	2025
	Avenue lift station isolation wet		\$450,000	2026
	/ Avenue lift station upgrade		\$3,400,000	2027
21 Replace	Influent building roof		\$450,000	2027
22 Complete	e small storm sewer projects to	reduce I/I	\$250,000	2027
	FDs on Influent Pumps 2, 3, 4		\$127,500	2027
24 Replace	Influent Building HVAC		\$400,000	2027
Financial Ma	anagement General Comn	nents		
Rates have b	een adequate to support	the plant and capital project plar	ıs.	
ENERGY EFFI	ICIENCY AND USE			
COLLECTIO	age he monthly energy usage N SYSTEM PUMPAGE: T		es:	
.1 Energy Us 5.1.1 Enter t COLLECTIO	age he monthly energy usage N SYSTEM PUMPAGE: To unicipally Owned Pump/Li Electricity Consumed	otal Power Consumed ift Stations: 5 Natural Gas Consumed	es:	
.1 Energy Us 5.1.1 Enter t COLLECTIO Number of M	age he monthly energy usage N SYSTEM PUMPAGE: To unicipally Owned Pump/Li Electricity Consumed (kWh)	otal Power Consumed ift Stations: 5	es:	
.1 Energy Us 5.1.1 Enter t COLLECTIO	age he monthly energy usage N SYSTEM PUMPAGE: To unicipally Owned Pump/Li Electricity Consumed	otal Power Consumed ift Stations: 5 Natural Gas Consumed (therms)	es:	
.1 Energy Us 5.1.1 Enter t COLLECTIO Number of M January	age he monthly energy usage N SYSTEM PUMPAGE: To unicipally Owned Pump/Li Electricity Consumed (kWh) 50,108	otal Power Consumed ift Stations: 5 Natural Gas Consumed (therms) 713	es:	
.1 Energy Us 6.1.1 Enter t COLLECTIO Number of M January February	age he monthly energy usage N SYSTEM PUMPAGE: To unicipally Owned Pump/Li Electricity Consumed (kWh) 50,108 43,139	otal Power Consumed ift Stations: 5 Natural Gas Consumed (therms) 713 658	es:	
.1 Energy Us 5.1.1 Enter t COLLECTIO Number of M January February March	age he monthly energy usage N SYSTEM PUMPAGE: T unicipally Owned Pump/Li Electricity Consumed (kWh) 50,108 43,139 51,154	otal Power Consumed ift Stations: 5 Natural Gas Consumed (therms) 713 658 484	es:	
.1 Energy Us 6.1.1 Enter t COLLECTIO Number of M January February March April	age he monthly energy usage N SYSTEM PUMPAGE: T unicipally Owned Pump/Li Electricity Consumed (kWh) 50,108 43,139 51,154 72,216	otal Power Consumed ift Stations: 5 Natural Gas Consumed (therms) 713 658 484 262	es:	
.1 Energy Us 6.1.1 Enter t COLLECTIO Number of M January February March April May	age he monthly energy usage N SYSTEM PUMPAGE: T unicipally Owned Pump/Li Electricity Consumed (kWh) 50,108 43,139 51,154 72,216 52,193	otal Power Consumed ift Stations: 5 Natural Gas Consumed (therms) 713 658 484 262 45	es:	
.1 Energy Us 5.1.1 Enter t COLLECTIO Number of M January February March April May June	he monthly energy usage N SYSTEM PUMPAGE: To unicipally Owned Pump/Li Electricity Consumed (kWh) 50,108 43,139 51,154 72,216 52,193 57,126	otal Power Consumed ift Stations: 5 Natural Gas Consumed (therms) 713 658 484 262 45 2	es:	
.1 Energy Us 5.1.1 Enter t COLLECTIO Number of M January February March April May June July	age he monthly energy usage N SYSTEM PUMPAGE: T unicipally Owned Pump/Li Electricity Consumed (kWh) 50,108 43,139 51,154 72,216 52,193 57,126 45,679	otal Power Consumed ift Stations: 5 Natural Gas Consumed (therms) 713 658 484 262 45 2 0	es:	
.1 Energy Us 6.1.1 Enter t COLLECTIO Number of M January February March April May June July August	age he monthly energy usage N SYSTEM PUMPAGE: T unicipally Owned Pump/Li Electricity Consumed (kWh) 50,108 43,139 51,154 72,216 52,193 57,126 45,679 42,550	otal Power Consumed ift Stations: 5 Natural Gas Consumed (therms) 713 658 484 262 45 2 0 1	es:	
.1 Energy Us 5.1.1 Enter t COLLECTIO Number of M January February March April May June July August September	age he monthly energy usage N SYSTEM PUMPAGE: T unicipally Owned Pump/Li Electricity Consumed (kWh) 50,108 43,139 51,154 72,216 52,193 57,126 45,679 42,550 51,387	otal Power Consumed ift Stations: 5 Natural Gas Consumed (therms) 713 658 484 262 45 2 0 1 1 0	es:	
1 Energy Us 5.1.1 Enter t COLLECTIO Number of M January February March April May June July August September October	age he monthly energy usage N SYSTEM PUMPAGE: T unicipally Owned Pump/Li Electricity Consumed (kWh) 50,108 43,139 51,154 72,216 52,193 57,126 45,679 42,550 51,387 42,919	otal Power Consumed ift Stations: 5 Natural Gas Consumed (therms) 713 658 484 262 45 2 0 1 1 0 14	es:	
1 Energy Us 5.1.1 Enter t COLLECTIO Number of M January February March April May June July August September October November	age he monthly energy usage N SYSTEM PUMPAGE: T unicipally Owned Pump/Li Electricity Consumed (kWh) 50,108 43,139 51,154 72,216 52,193 57,126 45,679 42,550 51,387 42,919 46,647	otal Power Consumed ift Stations: 5 Natural Gas Consumed (therms) 713 658 484 262 45 2 0 1 0 14 86	es:	

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

Sheboygan Wastewater Treatment Plant	Last Updated: 6/16/2023	Reporting For: 2022
I 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 are presently working with Focus on Energy and the Department Program to identify projects and improvements.	of Energy Better Pl	ants
6.4 Future Energy Related Equipment		
6.4.1 What energy efficient equipment or practices do you have planne pump/lift stations?	d for the future for	your
Replace VFDs at North Ave. Replace pump controls & generator contro Kentucky Ave. Replace pumps and controls at 6th & Pershing.	ls at North Ave. ar	d
7. Treatment Facility		
7.1 Energy Usage	.	
7.1.1 Enter the monthly energy usage from the different energy source	5.	

Sheboygan Wastewater Treatment Plant

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	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	525,600	246.75	2,130	459.27	1,144	6,893
February	496,800	213.62	2,326	404.54	1,228	11,991
March	569,700	335.71	1,697	457.16	1,246	24,383
April	595,800	433.30	1,375	429.81	1,386	22,967
Мау	550,800	367.62	1,498	423.12	1,302	17,242
June	657,900	361.41	1,820	465.51	1,413	10,143
July	688,500	286.11	2,406	458.46	1,502	6,402
August	578,700	280.94	2,060	496.62	1,165	3,226
September	469,800	263.46	1,783	413.61	1,136	7,403
October	584,100	244.11	2,393	420.45	1,389	6,248
November	503,100	261.64	1,923	464.43	1,083	8,750
December	471,600	278.50	1,693	470.02	1,003	7,506
Total	6,692,400	3,573.17		5,363.00		133,154
Average	557,700	297.76	1,925	446.92	1,250	11,096

N/A

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
- oxtimes 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
- Other:

Process water system pumping.

7.2.2 Comments:

N/A

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?

Sheboygan Wastewater Treatment Plant Last Updated: Reporting For: 2022 6/16/2023 We are presently working with Focus on Energy and the Department of Energy Better Plants Program to identify projects and improvements. 8. Biogas Generation 8.1 Do you generate/produce biogas at your facility? O 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? O NO • Yes \boxtimes 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: By Whom:

Describe and Comment:

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

C s

dated: Reporting For: 023 2022

Compliance Maintenance Annual Report		
Sheboygan Wastewater Treatment Plant	Last Updated: 6/16/2023	Rep
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 	1	
If No, explain:		
 1.2 Do you have a CMOM program that contains all the applicable compaccording to Wisc. Adm Code NR 210.23 (4)? Yes No (30 points) N/A 	onents and items	
If No or N/A, explain:		
 1.3 Does your CMOM program contain the following components and iter 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 resp overflows. Provide adequate capacity to convey wet-weather flows. P mitigate Sanitary Sewer Overflows.		
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 Internal and external lines of communication responsibilities 		ons)
\boxtimes Person(s) responsible for reporting overflow events to the departm \boxtimes Legal Authority [NR 210.23 (4) (c)]		
What is the legally binding document that regulates the use of your se City of Sheboygan Sewer Ordinance	wer system?	
If you have a Sewer Use Ordinance or other similar document, when v revised? (MM/DD/YYYY) 2016-05-12	vas it last reviewed	l and
Does your sewer use ordinance or other legally binding document add Private property inflow and infiltration	ress the following:	
New sewer and building sewer design, construction, installation, te		n
 Rehabilitated sewer and lift station installation, testing and inspect Sewage flows satellite system and large private users are monitore necessary 		S
 Fat, oil and grease control Enforcement procedures for sewer use non-compliance 		
\square Operation and Maintenance [NR 210.23 (4) (d)]		
 Does your operation and maintenance program and equipment include ☑ Equipment and replacement part inventories ☑ Up-to-date sewer system map 	e the following:	

Sheboygan Wastewater Tr	eatment Plant		Last Updated: 6/16/2023	Reporting F 2022	⁼or:
information for O&M ac	sponse Plan [NR 210.2 sponse capability inclu- communication proce	tenance activities (see que 23 (4) (e)] d for the design, constructi sewers and interceptor se ds and/or local Municipal C 23 (4) (f)] de:	estion 2 below) on, and inspecti wers on private		D
☑ Response order, timin ☑ Public notification prot					
⊠ Training					
Emergency operation Annual Self-Auditing of	· · ·	-			
□ Special Studies Last Yea		• • • •			
☐ Infiltration/Inflow (I/I)	• •				
Sewer System Evaluat					
Sewer Evaluation and Lift Station Evaluation		Plan (SECAP)			
\Box Others:	Report				
2. Operation and Maintenan	се				
2.1 Did your sanitary sewe maintenance activities? Con Cleaning		nd indicate the amount m			
Root removal	1.10	% of system/year			
Flow monitoring	28	% of system/year			
Smoke testing	0	% of system/year			
Sewer line					
televising	2.74	% of system/year			
Manhole inspections	59	% of system/year			
Lift station O&M	21.8	# per L.S./year			
Manhole rehabilitation	0.83	% of manholes rehabbed			
Mainline rehabilitation	0.51	% of sewer lines rehabbe	d		
Private sewer inspections	0	% of system/year			

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Private sewer I/I		
removal	0 % of private services	
River or water	0 % of pipe crossings eval	luated or maintained
crossings Please include additi	onal comments about your sanitary sewer collection	
	onal comments about your samuely sewer conection	system below.
3. Performance Indicat		
3.1 Provide the follow	ring collection system and flow information for the particular terms of ter	
32	Annual average precipitation (for your location)	
203.7	Miles of sanitary sewer	
5	Number of lift stations	
0	Number of lift station failures	
0	Number of sewer pipe failures	
5	Number of basement backup occurrences	
45	Number of complaints	
9.789	Average daily flow in MGD (if available)	
14.44	Peak monthly flow in MGD (if available)	
	Peak hourly flow in MGD (if available)	
3.2 Performance ratio	s for the past year: Lift station failures (failures/year)	
0.00	Sewer pipe failures (pipe failures/sewer mile/yr)	
0.00	Sanitary sewer overflows (number/sewer mile/yr)	
0.02	Basement backups (number/sewer mile)	
0.22	Complaints (number/sewer mile)	
1.5	Peaking factor ratio (Peak Monthly: Annual Daily Ave	g)
0.0	Peaking factor ratio (Peak Hourly: Annual Daily Avg))
4. Overflows		
LIST OF SANITARY	SEWER (SSO) AND TREATMENT FACILITY (TFO) OV	ERFLOWS REPORTED **
Date	Location	Cause Estimated Volume
	None reported	
** If there were any S on this section until co	SOs or TFOs that are not listed above, please conta prrected.	ct the DNR and stop work
 5. Infiltration / Inflow 5.1 Was infiltration/in O Yes 	(I/I) flow (I/I) significant in your community last year?	
• No		
If Yes, please descri	be:	
	flow and resultant high flows affected performance on the performance of the performance	
o Yes		

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• No

If Yes, please describe:

5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:

5.4 What is being done to address infiltration/inflow in your collection system?

We continue to line sewers as roads are repaired or pipe repairs are required. Plans to repair and protect the Lakeshore Interceptor manholes are proceeding and construction on this project is expected to start in late 2023.

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

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Grading Summary

WPDES No: 0025411

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Influent				
BOD/CBOD				
TSS				
Ammonia				
Phosphorus				
Biosolids				
Staffing/PM				
OpCert				
Financial				
Collection				
TOTALS		0	0	
GRADE POINT AVERAGE (GPA) =				

Notes:

- A = Voluntary Range (Response Optional)
- B = Voluntary Range (Response Optional)
- C = Recommendation Range (Response Required)
- D = Action Range (Response Required)
- F = Action Range (Response Required)

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Resolution or Owner's Statement

Name of Governing Body or Owner:
Date of Resolution or Action Taken:
Resolution Number:
Date of Submittal:
ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F): Influent Flow and Loadings: Grade =
Effluent Quality: BOD: Grade =
Effluent Quality: TSS: Grade =
Effluent Quality: Ammonia: Grade =
Effluent Quality: Phosphorus: Grade =
Biosolids Quality and Management: Grade =
Staffing: Grade =
Operator Certification: Grade =
Financial Management: Grade =
Collection Systems: Grade = (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. =