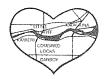
#### DISTRICT DIRECTOR:

Brian M. Helminger

#### **SERVING:**

Combined Locks Kaukauna Kimberly Little Chute Darboy S.D.



#### **COMMISSIONERS:**

David J. Casper, President Bruce M. Siebers, Vice-Pres. Patrick E. Hennessey, Secretary Kevin P. Coffey John W. Sundelius

#### Heart of the Valley

#### METROPOLITAN SEWERAGE DISTRICT

801 THILMANY ROAD KAUKAUNA, WISCONSIN 54130 (920) 766-5731 FAX (920) 766-5733 www.hvmsd.org

June 5, 2023

District Commissioners & District Director Heart of the Valley Metropolitan Sewerage District

#### Gentlemen;

The State of Wisconsin Department of Natural Resources 2022 "Compliance Maintenance Annual Report" (CMAR) preparation has been completed. Please review the document, ask any questions, and be prepared to accept the document, by Resolution, at the June 13<sup>th</sup> Commission meeting.

In summary, regulatory compliance in 2022 was good. The District received a grade "A" in all sections of the CMAR except for the influent flow and loadings where the District received an "F". The District was over 90% of its rated design 11 times and over 100% of design 5 times. On the Resolution/Owners Statement please see the response.

The District has maintained, and must continue to maintain adequate funds to cover the amount required for the Replacement Fund Account.

Adoption of the CMAR Resolution #204 by the Commission at the June 13<sup>th</sup> meeting, and final submittal of completed forms and Resolution to the DNR will complete the CMAR compliance process for 2022.

Respectfully Submitted,

Kevin Skogman

**Director of Operations & Maintenance** 

#### **DISTRICT DIRECTOR:**

Brian M. Helminger

#### **SERVING:**

Combined Locks Kaukauna Kimberly Little Chute Darboy S.D.



#### **COMMISSIONERS:**

David J. Casper, President Bruce M. Siebers, Vice-Pres. Patrick E. Hennessey, Secretary Kevin P. Coffey John W. Sundelius

#### **Heart of the Valley**

# **METROPOLITAN SEWERAGE DISTRICT**

801 THILMANY ROAD KAUKAUNA, WISCONSIN 54130 (920) 766-5731 FAX (920) 766-5733 www.hvmsd.org

#### **RESOLUTION NO. 204**

BE IT RESOLVED, that the Heart of the Valley Metropolitan

Sewerage District Commission has reviewed and understands the

2022 Compliance Maintenance Annual Report that is attached to this

Resolution and will be submitted to the Wisconsin DNR.

APPROVED		
<del></del>	David J. Casper	
	President	
ATTEST		
ATTEST	Patrick E. Hennessey	
	Secretary	

The above Resolution was approved and adopted by the Heart of the Valley Metropolitan Sewerage District Commission on **June 13, 2023** by unanimous roll call vote.

#### **Heart Of The Valley Metro Sewerage District**

Last Updated: Reporting For:

6/1/2023 2022

#### **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	×	Influent Monthly Average BOD Concentration mg/L	×	8.34	=	Influent Monthly Average BOD Loading, lbs/day
January	4.6559	Х	351	х	8.34	=	13,648
February	4.6183	Х	375	Х	8.34	=	14,441
March	7.6188	Х	256	х	8.34	=	16,258
April	9.0765	х	184	х	8.34	=	13,961
May	7.1774	Х	272	х	8.34	=	16,295
June	7.4021	Х	247	х	8.34	=	15,236
July	5.9666	х	267	Х	8.34	=	13,299
August	6.5886	х	275	х	8.34	=	15,091
September	6.3894	х	277	х	8.34	=	14,748
October	5.0823	х	301	х	8.34	=	12,777
November	6.1765	х	259	х	8.34	=	13,317
December	5.5175	х	295	х	8.34	=	13,593

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

Design	Design Factor	×	%	=	% of Design
Max Month Design Flow, MGD	11.9	х	90	=	10.71
		х	100	=	11.9
Design BOD, lbs/day	14651	х	90	=	13185.9
		X	100	=	14651

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

		Number of times	Number of times	Number of times	Number of times		
į į		flow was greater			BOD was greater		
	Influent		than 100% of		than 100% of design		
	Imuent	UIAII 90% OI	LIIAII 10070 01	than 90% of design			
January	1	0	0	1	0		
February	1	0	0	1	0		
March	1	0	0	1	1		
April	1	0	0	1	0		
May	1	0	0	1	1		
June	1	0	0	1	1		
July	1	0	0	1	0		
August	1	0	0	1	1		
September	1	0	0	1	1		
October	1	0	0	0	0		
November	1	0	0	1	0		
December	1	0	0	1	0		
Points per e	ach	2	1	3	2		
Exceedances		0	0	11	5		
Points 0		0	0	33	10		
Total Number of Points 43							

43

#### **Heart Of The Valley Metro Sewerage District**

6/1/2023 2022 3. Flow Meter 3.1 Was the influent flow meter calibrated in the last year? Yes Enter last calibration date (MM/DD/YYYY) 2022-12-13 O 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 O No If No, please explain: 4.2 Was it necessary to enforce the ordinance? o Yes No If Yes, please explain: Septage Receiving 5.1 Did you have requests to receive septage at your facility? Septic Tanks Holding Tanks **Grease Traps** Yes Yes o Yes O No O No No 5.2 Did you receive septage at your facility? If yes, indicate volume in gallons. Septic Tanks Yes 72,085 gallons O No Holding Tanks Yes gallons 2,400,245 o No **Grease Traps** o Yes gallons 5.2.1 If yes to any of the above, please explain if plant performance is affected when receiving any of these wastes. The Plants receiving station enables the District to pump the waste at a controlled rate to the influent channel of the head works building controlling the impact to the treatment process. 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? o Yes No If yes, describe the situation and your community's response.

Last Updated: Reporting For:

#### **Heart Of The Valley Metro Sewerage District**

Last Updated: Reporting For:

6/1/2023 2022

- 6.2 Did your facility accept hauled industrial wastes, landfill leachate, etc.? o Yes
- No

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

Total Points Generated	43
Score (100 - Total Points Generated)	57
Section Grade	F

**Heart Of The Valley Metro Sewerage District** 

Last Updated: Reporting For:

6/1/2023 **2022** 

0

#### 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.	Monthly	90% of	Effluent Monthly	Months of	Downsik Liveit	OOO/ Downsit	
001	Monthly	Permit Limit	Effluent Monthly	Months of	Permit Limit	90% Permit	
001	Average		Average (mg/L)	Discharge with a Limit	Exceedance	Limit Exceedance	
	Limit (mg/L)	> 10 (mg/L)		WILLI a LITTIL		Exceedance	
January	30	27	10	1	0	0	
February	30	27	11	1	0	0	
March	30	27	15	1	0	0	
April	30	27	11	1	0	0	
May	30	27	12	1	0	0	
June	30	27	9	1	0	0	
July	30	27	13	1	0	0	
August	30	27	11	1	0	0	
September	30	27	11	1	0	0	
October	30	27	12	1	0	0	
November	30	27	10	1	0	0	
December	30	27	10	1	0	0	
		* Eq	uals limit if limit is	<= 10			
Months of d							
Points per e	3						
Exceedance	Exceedances 0						
Points					0	0	
Total numb	per of points					0	

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

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

No	Vic	Nat	ini	25
110	VIL	/1U L		1.3.

- 2. Flow Meter Calibration
- 2.1 Was the effluent flow meter calibrated in the last year?
- Yes

Enter last calibration date (MM/DD/YYYY)

2022-12-13

O No

If No, please explain:

2	T-		+	. ~ ~		D=0	LI	em	_
٠.	1 5	י בע ב	rm	Pr	1T I	$\nu$ rn	nı	em	c

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

None.

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

#### **Heart Of The Valley Metro Sewerage District**

Last Updated: Reporting For: 6/1/2023 **2022** 

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 oxicity (WET) test?	t
o Yes	
• No	
If Yes, please explain:	
1.3 If the biomonitoring (WET) test did not pass, were steps taken to identify and/or reduce source(s) of toxicity?	
o Yes	
O No	
• N/A	
Please explain unless not applicable:	

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

**Heart Of The Valley Metro Sewerage District** 

Last Updated: Reporting For:

6/1/2023 2022

#### **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:

r			T			
Outfall No.	•	90% of	Effluent Monthly	Months of	Permit Limit	90% Permit
001	Average	Permit Limit	Average (mg/L)	Discharge	Exceedance	Limit
	Limit (mg/L)	>10 (mg/L)		with a Limit		Exceedance
January	30	27	13	1	0	0
February	30	27	13	1	0	0
March	30	27	21	1	0	0
April	30	27	11	1	0	0
May	30	27	11	1	0	0
June	30	27	8	1	0	0
July	30	27	19	1	0	0
August	30	27	17	1	0	0
September	30	27	21	1	0	0
October	30	27	24	1	0	0
November	30	27	18	1	0	0
December	30	27	13	1	0	0
		* Eq	uals limit if limit is	<= 10		
Months of D	ischarge/yr			12		
Points per	each exceed	7	3			
Exceedance	S	0	0			
Points					0	0
Total Num	ber of Points					0

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

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

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

No Violations.

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

0

#### **Heart Of The Valley Metro Sewerage District**

Last Updated: Reporting For:

6/1/2023

2022

0

#### Effluent Quality and Plant Performance (Ammonia - NH3)

1. Effluent Ammonia Results

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

Outfall No.	Monthly	Weekly	Effluent	Monthly	Effluent	Effluent	Effluent	Effluent	Weekly
001	Average	Average	Monthly	Permit	Weekly	Weekly	Weekly	Weekly	Permit
001	NH3	NH3	Average	Limit	Average	•	Average	Average	Limit
	Limit	Limit	NH3	Exceed				for Week	
	(mg/L)	(mg/L)	(mg/L)	ance	1	2	3	4	ance
	(1119/1-)	(1119/12)	(1119/ =)	dilcc			,	•	ance
January	10		.467	0					
February	10		.5	0					
March	10		.491	0					
April	11		.835	0					
May	11		1.396	0					
June	4.4		.859	0					
July	4.4		.367	0					
August	4.4		.409	0					
September	4.4		.381	0					
October	18		1.014	0					
November	18		.391	0					
December	18		.538	0					
Points per e	ach excee	dance of N	Monthly av	erage:					10
Exceedance	s, Monthly	<b>':</b>							0
Points:									
Points per each exceedance of weekly average (when there is no monthly average):									
Exceedance	s, Weekly								0
Points:									0
Total Num	ber of Po	ints							0

NOTE: Limit exceedances are considered for monthly OR weekly averages but not both. When a monthly average limit exists it will be used to determine exceedances and generate points. This will be true even if a weekly limit also exists. When a weekly average limit exists and a monthly limit does not exist, the weekly limit will be used to determine exceedances and generate points.

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

No Violation.

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

#### **Heart Of The Valley Metro Sewerage District**

Last Updated: Reporting For:

6/1/2023

2022

0

#### **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	1	0.325	1	0
February	1	0.334	1	0
March	1	0.373	1	0
April	1	0.213	1	0
May	1	0.223	1	0
June	1	0.177	1	0
July	1	0.333	1	0
August	1	0.361	1	0
September	1	0.405	1	0
October	1	0.544	1	0
November	1	0.421	1	0
December	1	0.361	1	0
Months of Dischar	ge/yr		12	
Points per each	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?

No Violations.

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

**Heart Of The Valley Metro Sewerage District** 

Last Updated: Reporting For: 6/1/2023 **2022** 

#### **Biosolids Quality and Management**

L. Biosolids	s Use	/Disp	osal									***************************************						
	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																	
☐ Incine	rated																	
☐ Other																		
NOTE: If										em, p	oleas	e des	cribe	you	r sys	tem t	ype su	ch
as lagoor									etc.									
1.1.1 If y	ou cl	necke	d Othe	er, pl	ease	desc	cribe:											
B. Biosolids	Met	als																
Number o	f bios	olids	outfal	ls in	your	WPD	ES p	ermi	t:									
3.1 For ea	ich oi	ıtfall	tested	ver	ifv th	e hir	solid	s me	tal o	uality	z vali	ies f	יר עם	ur fa	cility	durin	a the l	act
calendar y		<i>a</i>	ccocca	, ,	y C.	ic bic	,50 ii d	5 1110	.ca, q	uunc	van	103 1	Ji y C	ui iu	Cilicy	aaiiii	g the	ust
																· · · · · · · · · · · · · · · · · · ·		
Outfall No.						lge			<b></b>					,	<del></del>			
Parameter	80%	H.Q.	Ceiling	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80%		Ceiling
	of Limit	Limit	Limit													value	Quality	
Arsenic		41	75						<del></del>								0	0
Cadmium		39	85														0	0
Copper		1500	4300														0	0
Lead		300	840														0	0
Mercury		17	57														0	0
Molybdenum	60		75													0		0
Nickel	336		420												<b></b>	0		0
Selenium	80		100												<b></b>	0	<b></b>	0
Zinc		2800	7500														0	0
Outfall No. 0	03 - C	lass A	Liquid S	ludge	L	L	l	L	L	L	L			L	L	<u> </u>	1	
Parameter	of	H.Q. Limit	Ceiling Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80% Value	High Quality	Ceiling
Arsenic	Limit	41	75	7			<8.6			<9.3			2.5		ļ		0	0
Cadmium		39	85	1.4			<.78			.85			.29		<b> </b>		0	0
Copper	<b> </b>	1500	4300	523			565			513			110		<b></b> -		0	0
Lead	<b> </b>	300	840	27.5			29.1			21.7			5.6		<b></b>		0	0
Mercury		17	57	.21			.41			.34			.22		<b> </b>		0	0
Molybdenum	60	<del>                                     </del>	75	13.5			16.7			12			4.7		<del> </del>	0	"	
Nickel	336	<b> </b>	420			<b></b>				31.5					<b> </b>	ļ	<b> </b>	0
Selenium	336	<u> </u>		38.8 6.3			32.9 <7.7						8.1		<b> </b>	0	<b> </b>	0
	60	2000	100							<8.3			1.9		ļ	0	<del></del>	0
Zinc 3.1.1 Nu	<u> </u>	2800	L	956	<u> </u>	<u> </u>	1160		L	1020	L	L	240		L	L	0	0

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

**Exceedence Points** 

- 0 (0 Points)
- 0 1-2 (10 Points)
- 0 > 2 (15 Points)
- 3.1.2 If you exceeded the high quality limits, did you cumulatively track the metals loading at each land application site? (check applicable box)
- o Yes

#### **Heart Of The Valley Metro Sewerage District**

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0

0

- O No (10 points)
- N/A Did not exceed limits or no HQ limit applies (0 points)
- N/A Did not land apply biosolids until limit was met (0 points)
- 3.1.3 Number of times any of the metals exceeded the ceiling limits = 0 Exceedence Points
- 0 (0 Points)
- 0 1 (10 Points)
- 0 > 1 (15 Points)
- 3.1.4 Were biosolids land applied which exceeded the ceiling limit?
- O Yes (20 Points)
- No (0 Points)
- 3.1.5 If any metal limit (high quality or ceiling) was exceeded at any time, what action was taken? Has the source of the metals been identified?
- 4. Pathogen Control (per outfall):
- 4.1 Verify the following information. If any information is incorrect, use the Report Issue button under the Options header in the left-side menu.

Outfall Number:	003
Biosolids Class:	A
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	07/01/2022 - 09/30/2022
Density:	13
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Thermophilic Aerobic Digestion
Process Description:	Auto-Thermophilic Digestion

- 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:	003
Method Date:	09/30/2022
Option Used To Satisfy Requirement:	Injection when land apply
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	
Results (if applicable):	

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

#### **Heart Of The Valley Metro Sewerage District**

6/1/2023 2022 No If yes, what action was taken? 0 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? • >= 180 days (0 Points) 0 150 - 179 days (10 Points) 0 120 - 149 days (20 Points) ○ 90 - 119 days (30 Points) 0 0 < 90 days (40 Points)</p> O N/A (0 Points) 6.2 If you checked N/A above, explain why. 7. Issues 7.1 Describe any outstanding biosolids issues with treatment, use or overall management:

Last Updated: Reporting For:

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

**Heart Of The Valley Metro Sewerage District** 

Last Updated: Reporting For: 6/1/2023 **2022** 

# **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:	
1 No, please explain.	
Could use more help/staff for:	
1.2 Did your wastewater staff have adequate time to properly operate and maintain the plant and	
fulfill all wastewater management tasks including recordkeeping?	
• Yes	
O No	
If No, please explain:	
2. Preventative Maintenance	
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?	
<ul><li>Yes</li><li>No (10 points)</li></ul>	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	
O Paper file system	
o Computer system	
Both paper and computer system	
O No (10 points)	
3. O&M Manual	
3.1 Does your plant have a detailed O&M and Manufacturer Equipment Manuals that can be used	
as a reference when needed?	
• Yes	
O No	┼
<ul><li>4. Overall Maintenance /Repairs</li><li>4.1 Rate the overall maintenance of your wastewater plant.</li></ul>	
O Excellent	
• Very good	
O Good	
o Fair	
o Poor	
Describe your rating:	

#### **Heart Of The Valley Metro Sewerage District**

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6/1/2023 **2022** 

The District has a Total Electronic Asset Management System (TEAMS) that enables the District to track all maintenance. The maintenance program that the District has show's how well the plant continues to perform. All team member involved with preventative maintenance and major rebuilds of equipment or replacement of equipment are diligent in the maintenance and take pride in the plant operating efficiently.

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

**Heart Of The Valley Metro Sewerage District** 

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perato	r Certification and Educa	tion				
1.1 Did y  ● Yes (0	or-In-Charge ou have a designated operator-in points) 0 points)	n-charge during the	report year?			0
В	RIAN M HELMINGER					
Certifica	tion No:					
	28032					
2.1 In ac and subc treatmen	ation Requirements cordance with Chapter NR 114.56 lass(es) were required for the op t plant and what level and subcla	erator-in-charge (O ss(es) were held by	IC) to operat	te the waste or-in-charge?	water	
Sub	SubClass Description	WWTP		OIC		
Class		Advanced	OIT	Basic	Advanced	
A1	Suspended Growth Processes	X			X	
A2	Attached Growth Processes				X	
A3	Recirculating Media Filters	**************************************				
A4	Ponds, Lagoons and Natural		X			
A5	Anaerobic Treatment Of Liquid	***************************************				
В	Solids Separation	X			X	0
С	Biological Solids/Sludges	X			X	
Р	Total Phosphorus	X			X	
N	Total Nitrogen					
D	Disinfection	X			X	
L	Laboratory	X			X	
U	Unique Treatment Systems					
SS	Sanitary Sewage Collection	X	X	NA	NA	
plant? (N ● Yes (C	the operator-in-charge certified a lote: Certification in subclass SS points) 20 points)					
3.1 In the to ensure of the folks one of the folks one of the folks on the certain and the cer	sion Planning e event of the loss of your design the continued proper operation lowing options (check all that apport more additional certified operations) trangement with another certified trangement with another communication on staff who has an operatified within one year isultant to serve as your certified of the above (20 points) to of the above is selected, please	and maintenance of ply)? tors on staff operator nity with a certified of tor-in-training certif operator	the plant th	at includes o	one or more	<b>o</b>
4. Continu	ing Education Credits					

4.1 If you had a designated operator-in-charge, was the operator-in-charge earning Continuing

Education Credits at the following rates?

# **Heart Of The Valley Metro Sewerage District**Last Updated: Reporting For: 6/1/2023 2022

OIT and Basic Certification:

- O Averaging 6 or more CECs per year.
- O Averaging less than 6 CECs per year.

Advanced Certification:

- Averaging 8 or more CECs per year.
- o Averaging less than 8 CECs per year.

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

**Heart Of The Valley Metro Sewerage District** 

Last Updated: Reporting For:

6/1/2023 2022

# **Financial Management**

Kevin Skogman (Provided by Erickson & Associates)  Telephone:  [920) 766-5731	<ol> <li>Provider of Financial Info Name:</li> </ol>	P	Frickson & Associatos)	
E-Mail Address (optional):  kevin.skogman@hvmsd.org  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) □  1. Very (0 points) □  • O No (40 points) □  • O 2 years ago (0 points) □  • O 3 or more years ago (20 points) □  • O 1.2 years ago (30 years)  • Yes (10 years)  • Years)  • Years ago (10 yea		Reviil Skogillali (Flovided by	ETICKSOTT & ASSOCIATES)	
(optional):    kevin.skogman@hvmsd.org	Telephone:	(920) 766-5731	(XXX) XXX-XX	(XX
kevin.skogman@hvmsd.org  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:  2022  • 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., CWFP 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:  2022  • 1-2 years ago (0 points)□□  • 3 or more years ago (20 points)□□  • N/A  If N/A, please explain:  2.2 Equipment Replacement Fund Activity  3.2.1 Ending Balance Reported on Last Year's CMAR  \$ 7,724,013.00  3.2.2 Adjustments - If necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)  3.2.3 Adjusted January 1st Beginning Balance  \$ 7,724,013.00  3.2.4 Additions to Fund (e.g. portion of User Fee,				
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:  2022  ● 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., CWFP 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:  2022  ● 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  3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)  3.2.3 Adjusted January 1st Beginning Balance  \$ 7,724,013.00  3.2.4 Additions to Fund (e.g. portion of User Fee,		kevin.skogman@hvmsd.org		
Pear:  2022  ● 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., CWFP 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)  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:  2022  ● 1-2 years ago (0 points)□□  ○ 3 or more years ago (20 points)□□  ○ 10 N/A  If N/A, please explain:  2.2 Equipment Replacement Fund Activity  3.2 Equipment Replacement Fund Activity  3.2.1 Ending Balance Reported on Last Year's CMAR  3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)  3.2.3 Adjusted January 1st Beginning Balance \$ 7,724,013.00	2.1 Are User Charges or ot treatment plant AND/OR co  • Yes (0 points) □□  • No (40 points)	her revenues sufficient to cov	er O&M expenses for your wastew	rater
2.3 Did you have a special account (e.g., CWFP 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)  ● 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:  2022  ● 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  3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)  3.2.3 Adjusted January 1st Beginning Balance  \$ 7,724,013.00  3.2.4 Additions to Fund (e.g. portion of User Fee,	Year:  2022  • 0-2 years ago (0 points)  o 3 or more years ago (20		e source(s) last reviewed and/or re	
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:  2022  1-2 years ago (0 points)  0 3 or more years ago (20 points)  0 N/A  If N/A, please explain:  3.2 Equipment Replacement Fund Activity  3.2.1 Ending Balance Reported on Last Year's CMAR  3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)  3.2.3 Adjusted January 1st Beginning Balance  \$ 7,724,013.00  3.2.4 Additions to Fund (e.g. portion of User Fee,	2.3 Did you have a special financial resources available plant and/or collection systems.	e for repairing or replacing eq	l segregated Replacement Fund, ei uipment for your wastewater treat	tc.) or ment
3. Equipment Replacement Funds 3.1 When was the Equipment Replacement Fund last reviewed and/or revised?  Year:  2022  1-2 years ago (0 points)□□  0 3 or more years ago (20 points)□□  0 N/A  If N/A, please explain:  3.2 Equipment Replacement Fund Activity  3.2.1 Ending Balance Reported on Last Year's CMAR  3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)  3.2.3 Adjusted January 1st Beginning Balance  \$ 7,724,013.00  3.2.4 Additions to Fund (e.g. portion of User Fee,		DI IC MUNICIPAL FACILITIES	CHALL COMPLETE OUECTION OF	
3.2 Equipment Replacement Fund Activity  3.2.1 Ending Balance Reported on Last Year's CMAR \$ 7,724,013.00  3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)  3.2.3 Adjusted January 1st Beginning Balance \$ 7,724,013.00  3.2.4 Additions to Fund (e.g. portion of User Fee,	<ul> <li>3. Equipment Replacement</li> <li>3.1 When was the Equipment</li> <li>Year:</li> <li>2022</li> <li>1-2 years ago (0 points)</li> <li>0 3 or more years ago (20 o N/A</li> </ul>	Funds ent Replacement Fund last rev ] 		
3.2.1 Ending Balance Reported on Last Year's CMAR \$ 7,724,013.00  3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)  3.2.3 Adjusted January 1st Beginning Balance \$ 7,724,013.00  3.2.4 Additions to Fund (e.g. portion of User Fee,	ii N/A, piease explain:			
3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)  3.2.3 Adjusted January 1st Beginning Balance \$ 7,724,013.00  3.2.4 Additions to Fund (e.g. portion of User Fee,	3.2 Equipment Replacemer	nt Fund Activity		
audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)  3.2.3 Adjusted January 1st Beginning Balance \$ 7,724,013.00  3.2.4 Additions to Fund (e.g. portion of User Fee,		•	R \$ 7,724,013	.00
3.2.4 Additions to Fund (e.g. portion of User Fee,	audit correction, withdrawa	l of excess funds, increase	\$ 0	.00
			\$ 7,724,013.00	
	•	g. portion of User Fee,	+ \$ 737,629.00	]

<b>Heart Of</b>	The	<b>Valley</b>	Metro	Sewerage	District
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Last Updated: Reporting For: 6/1/2023 **2022** 

0

3.2.5	Subtra	ctions	from	Fund	d (e.	g., e	equipme	ent
replac	ement,	major	repa	irs -	use	desc	cription	box
3.2.6.	1 below	·*)						

\$ 320,334.00

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

\$ 8,141,308.00

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.

Equipment replaced during the year was \$320,334

3.3 What amount should be in your Replacement Fund?

\$ 8,141,308.00

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
- o No

If No, please explain.

- 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		Approximate Construction Year
	WPDES TMDL compliance - with permit re issuance and TMDL limits HOV has selected effluent disk filters for permit compliance with low level phosphorus.  The District and its consultant Donohue is in the design phase of the project and anticipates bidding the project in the last quarter of 2021. The disk filters will be installed in the existing building that used to house the tertiary filters. A Clean Water Fund loan is necessary for this project.	\$12,500,000	2022
	Capital improvements to the HOV main interceptor sewer and its marine manholes identified and prioritized by the Interceptor action plan.  Work is in progress and the final scope of the projects are known. In the near future the project will be going out for bids. Once awarded improvements may start late this year.	\$22,000,000	2023

5	. Financial	Manageme	ent Gei	neral Co	mments

#### **ENERGY EFFICIENCY AND USE**

- 6. Collection System
- 6.1 Energy Usage

#### **Heart Of The Valley Metro Sewerage District**

Last Updated: Reporting For: 6/1/2023 **2022** 

6.1.1 Enter the monthly energy usage from the different energy sou	ources:
--	---------

#### **COLLECTION SYSTEM PUMPAGE: Total Power Consumed**

Number of Municipally Owned Pump/Lift Stations:

	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	12,659	
February	12,354	
March	9,593	
April	5,907	
May	1,483	
June	1,276	
July	1,540	
August	1,430	
September	1,301	
October	2,000	
November	5,060	
December	9,567	
Total	64,170	0
Average	5,348	0

#### 6.1.2 Comments:

The electricity consumed if from member communities meter stations that the District owns. There are also two ventilation systems located on the Districts interceptor for removing H2S.

6.2	Energy	Related	Processes	and Ed	auipment
-----	--------	---------	-----------	--------	----------

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:

Electrical use is minimal, there is lighting, electric heat, exhaust fans and metering equipment.

- 6.3 Has an Energy Study been performed for your pump/lift stations?
- No

o Yes

rear	ar
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#### **Heart Of The Valley Metro Sewerage District**

Last Updated:	Reporting	For:
6/1/2023	2022	

By Whom:	
Describe and Comment:	
.4 Future Energy Related Equipment 6.4.1 What energy efficient equipment or practices do you have planned for the future for y pump/lift stations?	our

- 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	701,146	144.33	4,858	423.09	1,657	
February	613,229	129.31	4,742	404.35	1,517	
March	684,189	236.18	2,897	504.00	1,358	
April	680,908	272.30	2,501	418.83	1,626	
May	684,252	222.50	3,075	505.15	1,355	
June	670,215	222.06	3,018	457.08	1,466	
July	715,627	184.96	3,869	412.27	1,736	
August	725,707	204.25	3,553	467.82	1,551	
September	621,325	191.68	3,241	442.44	1,404	
October	704,734	157.55	4,473	396.09	1,779	
November	705,152	185.30	3,805	399.51	1,765	
December	737,293	171.04	4,311	421.38	1,750	***************************************
Total	8,243,777	2,321.46		5,252.01		0
Average	686,981	193.46	3,695	437.67	1,580	0

7.1.2 Comments:

☑ Influent Pumping

2 Energy Related Processes and Equipment	
2.2.1 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	

#### **Heart Of The Valley Metro Sewerage District**

6/1/2023 2022 ☑ Mechanical Sludge Processing ☐ UV Disinfection ☑ Variable Speed Drives ☑ Other: Biostyr, bio-solids pumping of high rate clarifiers in ACTI-FLO, Peak flow headworks, peak flow pumping to ACTI-FLO. Auto Thermophilic Aerobic Digestion of bio-solids. 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? Replacement of fluorescent lighting with LED lighting. When replacing motors using energy efficient motors. 8. Biogas Generation 8.1 Do you generate/produce biogas at your facility? No o 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 ☑ Entire facility Year: 2016 By Whom: University of Wisconsin-Milwaukee Industrial Assessment Center Describe and Comment: Most of the recommended measures the District has implemented. □ Part of the facility Year:

Last Updated: Reporting For:

Heart Of The Valley Metro Sewerage District	Last Updated: 6/1/2023	Reporting For 2022	
By Whom:			
Describe and Comment:			

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

**Heart Of The Valley Metro Sewerage District** 

Last Updated: Reporting For: 6/1/2023 **2022** 

#### **Sanitary Sewer Collection Systems**

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
o No (30 points)
O N/A
If No or N/A, explain:
1.3 Does your CMOM program contain the following components and items? (check the components and items that apply)  ☑ Goals [NR 210.23 (4)(a)]
Describe the major goals you had for your collection system last year:
Inspection of all land/river based manhole structures.
Did you accomplish them?
• Yes
O No
If No, explain:
☑ Organization [NR 210.23 (4) (b)]□□
Does this chapter of your CMOM include:
☑ Organizational structure and positions (eg. organizational chart and position descriptions)
☑ Internal and external lines of communication responsibilities
☑ Person(s) responsible for reporting overflow events to the department and the public
□ Legal Authority [NR 210.23 (4) (c)]
What is the legally binding document that regulates the use of your sewer system?  2006-1
If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2020-10-13
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
☐A management system (computer database and/or file system) for collection system
information for O&M activities, investigation and rehabilitation

# Heart Of The Valley Metro Sewerage District Last Updated: Reporting For: 6/1/2023 2022

☐ Capacity assessment p☐ Basement back assess☐ Regular O&M training☐ ☑ Design and Performance What standards and proceed the sewer collection systematics.	orogram ment and correction Provisions [NR 210.3 edures are establishe	23 (4) (e)]  d for the design, construction, and inspection of 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 Re	sponse Plan [NR 210.	.23 (4) (f)]□□		
Does your emergency res  ☒ Responsible personnel ☒ Response order, timin ☒ Public notification prot	ponse capability inclu communication proc g and clean-up	ide:	)	
☐ Training ☐ Emergency operation ☑ Annual Self-Auditing of	our CMOM Program	[NR 210.23 (5)]□□		
<ul> <li>✓ Special Studies Last Year (check only those that apply):</li> <li>✓ Infiltration/Inflow (I/I) Analysis</li> <li>✓ Sewer System Evaluation Survey (SSES)</li> <li>✓ Sewer Evaluation and Capacity Managment Plan (SECAP)</li> <li>✓ Lift Station Evaluation Report</li> <li>✓ Others:</li> </ul>				
Antecedent Moisture M	odeling for I/I analys	is		
	r collection system m np <u>lete all that apply a</u>	naintenance program include the following and indicate the amount maintained.  S % of system/year		
Root removal	ol	% of system/year		
Flow monitoring	100	% of system/year		
Smoke testing	0	% of system/year		
Sewer line televising	10	% of system/year		
Manhole inspections	100	% of system/year		
Lift station O&M	100 % of system/year  0 # per L.S./year			
Manhole rehabilitation	0	% of manholes rehabbed		
Mainline rehabilitation	O	% of sewer lines rehabbed		
Private sewer inspections	0	% of system/year		
Private sewer I/I removal	0	% of private services		

# Compliance Maintenance Annual Report Heart Of The Valley Metro Sewerage District

meart Of the valley metro	Sewerage District		6/1/2023	2022
River or water			W. W	
crossings	0 % of p	oipe crossings evalu	ated or maintai	ned
Please include additional	comments about your sanitar	y sewer collection s	system below:	
3. Performance Indicators				
	collection system and flow info			
	al actual amount of precipitation (for	•	25	
	es of sanitary sewer	your location)		
	nber of lift stations			
	nber of lift station failures			
	nber of sewer pipe failures			
	nber of basement backup occu	ırrences		
	nber of complaints	:!		
	rage daily flow in MGD (if ava	•		
	k monthly flow in MGD (if ava	-		
	k hourly flow in MGD (if availa	ible)		
3.2 Performance ratios for	the past year: station failures (failures/year)	1		
	er pipe failures (pipe failures/			
	itary sewer overflows (numbe			
	ement backups (number/sewe	•		
	nplaints (number/sewer mile)	<b>.</b>		
	king factor ratio (Peak Monthl	v:Annual Daily Avg	١	
	king factor ratio (Peak Hourly)		,	
	The state of the s	, 2 a, , g ,		
4. Overflows				
LIST OF SANITARY SEW	YER (SSO) AND TREATMENT F	ACILITY (TFO) OVE	RFLOWS REPOR	RTED **
Date	Location	C	3	stimated Volume
	None reporte	ed		
** If there were any SSOs on this section until correct	or TFOs that are not listed at ted.	ove, please contact	t the DNR and s	stop work
5. Infiltration / Inflow (I/I)	(I/I) significant in your comm	unity last year?		
• Yes	(1/1) Significant in your confin	iuility last year?		
o No				
If Yes, please describe:			***************************************	
secondary treatment ar that the inflow was at o	rear, the District had no partion of the partion of the partion of the max million good of it remains a concern	uent. Still there wer allons say the seco	re several rainfa	all events

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?

#### **Heart Of The Valley Metro Sewerage District**

Last Updated:	Reporting	For
6/1/2023	2022	

		6/1/2023	2022
	o Yes		
	• No		
	If Yes, please describe:		
_	3.3 Explain any infiltration/inflow (I/I) changes this year from previous years	<b>5:</b>	
	None.		
5	5.4 What is being done to address infiltration/inflow in your collection system	n?	
	The District inspects all manholes related to the interceptor for defects and If defects causing I/I are noticed the District takes measures to remedy the interceptor televised for defects and possible I/I.		

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

#### **Heart Of The Valley Metro Sewerage District**

Last Updated: Reporting For: 6/1/2023

2022

**Grading Summary** 

WPDES No: 0031232

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Influent	F	0	3	0
BOD/CBOD	Α	4	10	40
TSS	Α	4	5	20
Ammonia	Α	4	5	20
Phosphorus	Α	4	3	12
Biosolids	Α	4	5	20
Staffing/PM	Α	4	1	4
OpCert	Α	4	1	4
Financial	Α	4	1	4
Collection	Α	4	3	12
TOTALS			37	136
GRADE POINT AVERAGE (GPA) = 3.68				

#### 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)

#### **Heart Of The Valley Metro Sewerage District**

Last Updated: Reporting For:

6/6/2023

2022

#### **Resolution or Owner's Statement**

Name of Governing Body or Owner:	
·	leart of the Valley Metropolitan Sewerage Commission
Date of Resolution or Action Taken:	
<del></del>	2023-06-13
Resolution Number:	
Date of Submittal:	
Date of Submittar.	
	GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR e A or B. Required for grade C, D, or F): ade = F
	to be a major problem with BOD loadings that exceed the plant to the upward trajectory in connections and organic loads within ta.
out of 12 months. The fact tha additional loads well beyond the removed. This fact was noted at the biological process to determined out the stress test in 20 of BOD. The District has petitic approved, and in comparison well.	t there were no permit violations for effluent BOD shows that he plant rated capacity are regularly encountered and being and formed the basis for conducting a cold weather stress test of mine what the "true" plant capacity might be. Heart of the Valley 023 and the results showed a calculated capacity of 18,918 lbs/day oned DNR for a rerate and anticipates acceptance of the request. If with the 2022 loadings, there would have been no points assessed and the 90% of design load criteria.
dischargers with permits in the permitted dischargers that will process. In one case, a waste controlled discharge to HOVMS stream is being redirected and Finally, the District is currently	HOVMSD has also worked to reduce loadings by working with pretreatment program. The District has been working with two reduce loadings and eliminate slug loadings on the biological storage tank and metering pump system will deliver a 24/7 ED and in the other case, a small volume yet high organic load side hauled off site rather than be released and treated by HOVMSD.  Well beyond the half way point in the installation of chemically filters will provide a greater level of suspended solids and
phosphorus removal to comply there will also be some degree	with TMDL mass limits. By virtue of removing additional solids, of additional BOD removal as well. The filters are anticipated to be 023 and the project completed and closed out in 2024.
Effluent Quality: BOD: Grade =	A
Effluent Quality: TSS: Grade =	A
Effluent Quality: Ammonia: Gra	ide = A
Effluent Quality: Phosphorus: G	irade = A

Heart Of The Valley Metro Sewerage District	Last Updated: 6/6/2023	Reporting For <b>2022</b>
Biosolids Quality and Management: Grade = A		
Staffing: Grade = A		
Operator Certification: Grade = A		
Financial Management: Grade = A		
Collection Systems: Grade = A (Regardless of grade, response required for Collection Systems if SSOs w	vere reported)	
ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELAT 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 G.P.A. = 3.68		ERALL