

## Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: HEART OF THE VALLEY METRO SEWERAGE DISTRICT  
Contact Address: 801 Thilmany Rd  
Kaukauna, WI 54130  
Facility Contact: Brian Helminger, District Director  
Phone Number: 920-766-5731  
Reporting Period: 04/01/2026 - 04/30/2026  
Form Due Date: 05/21/2026  
Permit Number: 0031232

Date Received:	
DOC:	598131
FIN:	6375
FID:	445005220
Region:	Northeast Region
Permit Drafter:	Jennifer K Jerich
Reviewer:	Barti Oumarou
Office:	Oshkosh

### Sample Point(s) active?

Yes - 001 sample point (Effluent)  
Yes - 701 sample point (Influent)  
Yes - 101 sample point (Effluent Reuse)  
Yes - 112 sample point (BLENDING)

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	Sample Point	701	001	001	701	001
	Description	Influent	Effluent	Effluent	Influent	Effluent
	Parameter	211	211	66	66	457
	Description	Flow Rate	Flow Rate	BOD5, Total	BOD5, Total	Suspended Solids, Total
	Units	MGD	MGD	mg/L	mg/L	mg/L
	Sample Type	CONTINUOUS	CONTINUOUS	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	DAILY	DAILY	DAILY	DAILY	DAILY
Sample Results	Day 1	8.918	8.508	6.1	156	5.0
	2	17.635	17.635	7.7	130	10.2
	3	19.029	19.029	5.9	55	8.0
	4	27.064	27.064	9.8	60	19
	5	15.979	15.979	4.2	106	4.4
	6	12.070	10.764	5.1	90	4.6
	7	10.519	7.309	4.3	102	4.0
	8	10.236	7.312	6.0	118	4.6
	9	9.809	6.769	3.7	126	3.8
	10	9.342	6.593	4.8	97	3.2
	11	9.055	7.031	4.0	80	4.2
	12	14.274	13.111	5.5	121	7.2
	13	16.037	14.469	4.0	73	3.2
	14	28.594	26.753	10.49	51	24.6
	15	18.855	17.291	4.3	70	4.0
	16	16.024	14.571	2.4	81	2.6
	17	13.953	12.684	<2.0	66	3.8
	18	13.123	12.378	2.1	98	3.0
	19	11.431	10.194	2.9	105	2.2
	20	10.559	9.334	3.2	106	3.8
	21	9.900	8.890	3.9	134	3.4
	22	9.071	7.269	4.7	173	3.4
	23	8.632	7.098	3.2	114	5.0
	24	8.276	7.546	6.2	150	13.7
	25	8.066	7.829	3.9	76	4.6
	26	7.986	7.986	5.6	258	6.2
	27	8.147	8.147	6.0	164	6.2
	28	7.629	7.629	6.0	186	8.2
	29	7.353	7.353	6.6	200	5.0
	30	7.641	7.641	5.1	196	3.8
	31					

	Sample Point	701	001	001	701	001
	Description	Influent	Effluent	Effluent	Influent	Effluent
	Parameter	211	211	66	66	457
	Description	Flow Rate	Flow Rate	BOD5, Total	BOD5, Total	Suspended Solids, Total
	Units	MGD	MGD	mg/L	mg/L	mg/L
<b>Summary Values</b>	<b>6-Month Avg</b>					
	<b>Monthly Avg</b>	12.5069	11.4055333333	4.923	118.066666667	6.1633333333
	<b>Daily Max</b>	28.594	27.064	10.49	258	24.6
	<b>Daily Min</b>	7.353	6.593	<2	51	2.2
	<b>Week 1 Avg</b>			6.157142857		7.885714286
	<b>Week 2 Avg</b>			5.498571429		7.257142857
	<b>Week 3 Avg</b>			2.685714286		3.257142857
	<b>Week 4 Avg</b>			5.085714286		6.757142857
<b>Limit(s) in Effect</b>	<b>6-Month Avg</b>					
	<b>Monthly Avg</b>			30	0	30
	<b>Daily Max</b>					
	<b>Daily Min</b>					
	<b>Weekly Avg</b>			45	0	45
<b>QA/QC Information</b>	<b>LOD</b>					
	<b>LOQ</b>					
	<b>QC Exceedance</b>	N	N	N	Y	N
	<b>Lab Certification</b>			445005220	445005220	445005220

	<b>Sample Point</b>	701	701	001	701	001
	<b>Description</b>	Influent	Influent	Effluent	Influent	Effluent
	<b>Parameter</b>	457	87	457	133	457
	<b>Description</b>	Suspended Solids, Total	Cadmium, Total Recoverable	Suspended Solids, Total	Chromium, Total Recoverable	Suspended Solids, Total
	<b>Units</b>	mg/L	ug/L	lbs/day	ug/L	lbs/month
	<b>Sample Type</b>	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	CALCULATED
	<b>Frequency</b>	DAILY	MONTHLY	DAILY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>	132		355		
	<b>2</b>	220		1500		
	<b>3</b>	76		1270		
	<b>4</b>	64		4289		
	<b>5</b>	60		586		
	<b>6</b>	80		413		
	<b>7</b>	156	<0.3	244	2.8	
	<b>8</b>	140		281		
	<b>9</b>	116		215		
	<b>10</b>	120		176		
	<b>11</b>	192		246		
	<b>12</b>	148		787		
	<b>13</b>	108		386		
	<b>14</b>	64		3547		
	<b>15</b>	64		577		
	<b>16</b>	80		316		
	<b>17</b>	116		402		
	<b>18</b>	116		310		
	<b>19</b>	108		187		
	<b>20</b>	132		296		
	<b>21</b>	132		252		
	<b>22</b>	168		206		
	<b>23</b>	204		296		
	<b>24</b>	180		862		
	<b>25</b>	164		300		
	<b>26</b>	200		413		
	<b>27</b>	200		421		
	<b>28</b>	196		522		
	<b>29</b>	204		307		
	<b>30</b>	240		242		20203
	<b>31</b>					

	Sample Point	701	701	001	701	001
	Description	Influent	Influent	Effluent	Influent	Effluent
	Parameter	457	87	457	133	457
	Description	Suspended Solids, Total	Cadmium, Total Recoverable	Suspended Solids, Total	Chromium, Total Recoverable	Suspended Solids, Total
Units	mg/L	ug/L	lbs/day	ug/L	lbs/month	
<b>Summary Values</b>	<b>6-Month Avg</b>					
	<b>Monthly Avg</b>	139.3333333333	0	673.466666667	2.8	20203
	<b>Daily Max</b>	240	<0.3	4289	2.8	20203
	<b>Daily Min</b>	60	<0.3	176	2.8	20203
	<b>Week 1 Avg</b>			1236.714285714		
	<b>Week 2 Avg</b>			805.428571429		
	<b>Week 3 Avg</b>			334.285714286		
	<b>Week 4 Avg</b>			431.428571429		
<b>Limit(s) in Effect</b>	<b>6-Month Avg</b>					
	<b>Monthly Avg</b>			700	0	
	<b>Daily Max</b>					
	<b>Daily Min</b>					
	<b>Weekly Avg</b>			1100	1	
<b>QA/QC Information</b>	<b>LOD</b>		0.3		1.3	
	<b>LOQ</b>		1		4.3	
	<b>QC Exceedance</b>	N	N	N	N	N
	<b>Lab Certification</b>	445005220	445023150		445023150	

	<b>Sample Point</b>	701	001	001	701	701
	<b>Description</b>	Influent	Effluent	Effluent	Influent	Influent
	<b>Parameter</b>	147	457	377	264	315
	<b>Description</b>	Copper, Total Recoverable	Suspended Solids, Total	pH Field	Lead, Total Recoverable	Nickel, Total Recoverable
	<b>Units</b>	ug/L	lbs/yr	su	ug/L	ug/L
	<b>Sample Type</b>	24 HR FLOW PROP	CALCULATED	GRAB	24 HR FLOW PROP	24 HR FLOW PROP
	<b>Frequency</b>	MONTHLY	MONTHLY	DAILY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>			7.8		
	<b>2</b>			7.8		
	<b>3</b>			8.3		
	<b>4</b>			7.8		
	<b>5</b>			7.9		
	<b>6</b>			7.8		
	<b>7</b>	32		8.2	<3.5	8.3
	<b>8</b>			8.0		
	<b>9</b>			7.8		
	<b>10</b>			7.9		
	<b>11</b>			7.9		
	<b>12</b>			8.2		
	<b>13</b>			7.8		
	<b>14</b>			7.8		
	<b>15</b>			7.8		
	<b>16</b>			7.8		
	<b>17</b>			8.3		
	<b>18</b>			8.1		
	<b>19</b>			8.2		
	<b>20</b>			7.8		
	<b>21</b>			7.7		
	<b>22</b>			7.8		
	<b>23</b>			7.8		
	<b>24</b>			8.3		
	<b>25</b>			8.0		
	<b>26</b>			8.1		
	<b>27</b>			7.8		
	<b>28</b>			7.9		
	<b>29</b>			7.9		
	<b>30</b>		33364	7.8		
	<b>31</b>					

	<b>Sample Point</b>	701	001	001	701	701
	<b>Description</b>	Influent	Effluent	Effluent	Influent	Influent
	<b>Parameter</b>	147	457	377	264	315
	<b>Description</b>	Copper, Total Recoverable	Suspended Solids, Total	pH Field	Lead, Total Recoverable	Nickel, Total Recoverable
	<b>Units</b>	ug/L	lbs/yr	su	ug/L	ug/L
<b>Summary Values</b>	<b>6-Month Avg</b>					
	<b>Monthly Avg</b>	32	33364	7.936666667	0	8.3
	<b>Daily Max</b>	32	33364	8.3	<3.5	8.3
	<b>Daily Min</b>	32	33364	7.7	<3.5	8.3
	<b>Week 1 Avg</b>					
	<b>Week 2 Avg</b>					
	<b>Week 3 Avg</b>					
	<b>Week 4 Avg</b>					
<b>Limit(s) in Effect</b>	<b>6-Month Avg</b>					
	<b>Monthly Avg</b>					
	<b>Daily Max</b>			9	0	
	<b>Daily Min</b>			6	0	
	<b>Weekly Avg</b>					
<b>QA/QC Information</b>	<b>LOD</b>	0.8			3.5	1.3
	<b>LOQ</b>	2.7			12	4.3
	<b>QC Exceedance</b>	N	N	N	N	N
	<b>Lab Certification</b>	445023150			445023150	445023150

	<b>Sample Point</b>	701	001	001	001	001
	<b>Description</b>	Influent	Effluent	Effluent	Effluent	Effluent
	<b>Parameter</b>	553	789	388	388	388
	<b>Description</b>	Zinc, Total Recoverable	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	<b>Units</b>	ug/L	mg/L	mg/L	lbs/day	lbs/month
	<b>Sample Type</b>	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	<b>Frequency</b>	MONTHLY	DAILY	DAILY	DAILY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>		0.13	0.09	6.39	
	<b>2</b>		0.359	0.16	24.12	
	<b>3</b>		0.04	0.16	25.39	
	<b>4</b>		0.735	0.261	58.91	
	<b>5</b>		<0.027	0.11	14.66	
	<b>6</b>		<0.027	0.09	8.08	
	<b>7</b>	62	0.04	0.10	6.10	
	<b>8</b>		0.31	0.15	9.15	
	<b>9</b>		0.08	0.08	4.52	
	<b>10</b>		0.20	0.12	6.60	
	<b>11</b>		0.16	0.16	9.38	
	<b>12</b>		0.12	0.13	14.21	
	<b>13</b>		0.03	0.08	9.65	
	<b>14</b>		0.691	0.326	72.74	
	<b>15</b>		0.18	0.096	13.84	
	<b>16</b>		<0.027	0.05	6.08	
	<b>17</b>		0.06			
	<b>18</b>		0.06			
	<b>19</b>		0.09	0.06	5.10	
	<b>20</b>		0.10	0.07	5.45	
	<b>21</b>		0.30	0.10	7.41	
	<b>22</b>		0.19	0.09	5.46	
	<b>23</b>		0.25	0.10	5.92	
	<b>24</b>		0.64	0.28	17.62	
	<b>25</b>		0.34	0.16	10.45	
	<b>26</b>		0.65	0.19	12.65	
	<b>27</b>		0.49	0.19	12.91	
	<b>28</b>		0.57	0.18	11.45	
	<b>29</b>		0.58	0.17	10.43	
	<b>30</b>		0.51	0.16	10.20	404.86
	<b>31</b>					

	Sample Point	701	001	001	001	001
	Description	Influent	Effluent	Effluent	Effluent	Effluent
	Parameter	553	789	388	388	388
	Description	Zinc, Total Recoverable	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	ug/L	mg/L	mg/L	lbs/day	lbs/month
<b>Summary Values</b>	<b>6-Month Avg</b>				8.037877095	
	<b>Monthly Avg</b>	62	0.2635	0.13975	14.459642857	404.86
	<b>Daily Max</b>	62	0.735	0.326	72.74	404.86
	<b>Daily Min</b>	62	<0.027	0.05	4.52	404.86
	<b>Week 1 Avg</b>		0.186285714			
	<b>Week 2 Avg</b>		0.227285714			
	<b>Week 3 Avg</b>		0.112857143			
	<b>Week 4 Avg</b>		0.447142857			
<b>Limit(s) in Effect</b>	<b>6-Month Avg</b>				10.5	0
	<b>Monthly Avg</b>		11	0	1	0
	<b>Daily Max</b>		17	0		
	<b>Daily Min</b>					
	<b>Weekly Avg</b>		29	0		
<b>QA/QC Information</b>	<b>LOD</b>	4.3	0.027	0.026		
	<b>LOQ</b>	14	0.09	0.087		
	<b>QC Exceedance</b>	N	N	N	N	N
	<b>Lab Certification</b>	445023150	445005220	445005220		

	<b>Sample Point</b>	001	001	001	001	001
	<b>Description</b>	Effluent	Effluent	Effluent	Effluent	Effluent
	<b>Parameter</b>	388	87	133	147	264
	<b>Description</b>	Phosphorus, Total	Cadmium, Total Recoverable	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable
	<b>Units</b>	lbs/yr	ug/L	ug/L	ug/L	ug/L
	<b>Sample Type</b>	CALCULATED	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	<b>Frequency</b>	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>					
	<b>2</b>					
	<b>3</b>					
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>		<0.3	<1.3	1.9	4.1
	<b>8</b>					
	<b>9</b>					
	<b>10</b>					
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>					
	<b>16</b>					
	<b>17</b>					
	<b>18</b>					
	<b>19</b>					
	<b>20</b>					
	<b>21</b>					
	<b>22</b>					
	<b>23</b>					
	<b>24</b>					
	<b>25</b>					
	<b>26</b>					
	<b>27</b>					
	<b>28</b>					
	<b>29</b>					
	<b>30</b>		1068.13			
	<b>31</b>					

	<b>Sample Point</b>	001		001		001		001		001	
	<b>Description</b>	Effluent		Effluent		Effluent		Effluent		Effluent	
	<b>Parameter</b>	388		87		133		147		264	
	<b>Description</b>	Phosphorus, Total		Cadmium, Total Recoverable		Chromium, Total Recoverable		Copper, Total Recoverable		Lead, Total Recoverable	
	<b>Units</b>	lbs/yr		ug/L		ug/L		ug/L		ug/L	
<b>Summary Values</b>	<b>6-Month Avg</b>										
	<b>Monthly Avg</b>	1068.13		0		0		1.9		4.1	
	<b>Daily Max</b>	1068.13		<0.3		<1.3		1.9		4.1	
	<b>Daily Min</b>	1068.13		<0.3		<1.3		1.9		4.1	
	<b>Week 1 Avg</b>										
	<b>Week 2 Avg</b>										
	<b>Week 3 Avg</b>										
	<b>Week 4 Avg</b>										
<b>Limit(s) in Effect</b>	<b>6-Month Avg</b>										
	<b>Monthly Avg</b>										
	<b>Daily Max</b>										
	<b>Daily Min</b>										
	<b>Weekly Avg</b>										
<b>QA/QC Information</b>	<b>LOD</b>			0.3		1.3		0.8		3.5	
	<b>LOQ</b>			1		4.3		2.7		12	
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>			445023150		445023150		445023150		445023150	

	<b>Sample Point</b>	001	001	101	112	112
	<b>Description</b>	Effluent	Effluent	Effluent Reuse	BLENDING	BLENDING
	<b>Parameter</b>	315	553	671	211	631
	<b>Description</b>	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Unregulated	Flow Rate	Time
	<b>Units</b>	ug/L	ug/L	MGD	MGD	hours
	<b>Sample Type</b>	24 HR FLOW PROP	24 HR FLOW PROP	CONTINUOUS	CONTINUOUS	CONTINUOUS
	<b>Frequency</b>	MONTHLY	MONTHLY	DAILY	PER OCCURANCE	PER OCCURANCE
<b>Sample Results</b>	<b>Day 1</b>			0.410		
	<b>2</b>			0	1.056	3.5
	<b>3</b>			0	0.102	2.42
	<b>4</b>			0	4.706	14.25
	<b>5</b>			0		
	<b>6</b>			1.306		
	<b>7</b>	6.7	22	3.210		
	<b>8</b>			2.924		
	<b>9</b>			3.040		
	<b>10</b>			2.749		
	<b>11</b>			2.024		
	<b>12</b>			1.613		
	<b>13</b>			1.568		
	<b>14</b>			1.841	5.20	14.67
	<b>15</b>			1.564		
	<b>16</b>			1.453		
	<b>17</b>			1.269		
	<b>18</b>			0.745		
	<b>19</b>			1.237		
	<b>20</b>			1.225		
	<b>21</b>			1.010		
	<b>22</b>			1.802		
	<b>23</b>			1.534		
	<b>24</b>			0.730		
	<b>25</b>			0.237		
	<b>26</b>			0		
	<b>27</b>			0		
	<b>28</b>			0		
	<b>29</b>			0		
	<b>30</b>			0		
	<b>31</b>					

	Sample Point	001	001	101	112	112
	Description	Effluent	Effluent	Effluent Reuse	BLENDING	BLENDING
	Parameter	315	553	671	211	631
	Description	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Unregulated	Flow Rate	Time
	Units	ug/L	ug/L	MGD	MGD	hours
<b>Summary Values</b>	<b>6-Month Avg</b>					
	<b>Monthly Avg</b>	6.7	22	1.116366667	2.766	8.71
	<b>Daily Max</b>	6.7	22	3.21	5.2	14.67
	<b>Daily Min</b>	6.7	22	0	0.102	2.42
	<b>Week 1 Avg</b>					
	<b>Week 2 Avg</b>					
	<b>Week 3 Avg</b>					
	<b>Week 4 Avg</b>					
<b>Limit(s) in Effect</b>	<b>6-Month Avg</b>					
	<b>Monthly Avg</b>					
	<b>Daily Max</b>					
	<b>Daily Min</b>					
	<b>Weekly Avg</b>					
<b>QA/QC Information</b>	<b>LOD</b>	1.3	4.3			
	<b>LOQ</b>	4.3	14			
	<b>QC Exceedance</b>	N	N	N	N	N
	<b>Lab Certification</b>	445023150	445023150			

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Week 1 TMDL TSS due to winter meltdown on top of extreme precipitation in the service area along with a reduction in weekly allowable TSS mass in the District's new permit. TSS Mass would not have been a violation in previous permit.

Laboratory Quality Control Comments

4-5,4-6, Ammonia Results were below the LOD of 0.027)  
BOD GGA (111.4mg/l),  
BOD Blanks 4-8 (0.29)4-20 (0.35)4-24(-0.26)4-26(0.26)  
TP CS (0.832)

Exceedence Comments

Compliance discussion contained in comments box of DMR.

Submitted by Brian Helminger on 05/14/2026 2:02:06 PM