

# 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 Helming, District Director  
 Phone Number: 920-766-5731  
 Reporting Period: 01/01/2022 - 01/31/2022  
 Form Due Date: 02/21/2022  
 Permit Number: 0031232

Date Received:  
 DOC: 485204  
 FIN: 6375  
 FID: 445005220  
 Region: Northeast Region  
 Permit Drafter: Drafter not set  
 Reviewer: Barti Oumarou  
 Office: Oshkosh

	Sample Point	001	701	701	701	701
	Description	Effluent	Influent	Influent	Influent	Influent
	Parameter	211	211	66	457	87
	Description	Flow Rate	Flow Rate	BOD5, Total	Suspended Solids, Total	Cadmium, Total Recoverable
	Units	MGD	MGD	mg/L	mg/L	ug/L
	Sample Type	CONTINUOUS	CONTINUOUS	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	DAILY	DAILY	5/WEEK	5/WEEK	MONTHLY
Sample Results	Day 1	2.235	4.719	308	260	
	2	2.780	5.443	313	300	
	3	1.953	4.814	265	276	
	4	2.031	4.883	310	288	
	5	2.085	4.820	285	284	<1.3
	6	2.350	4.847	267	288	
	7	2.121	4.792	349	260	
	8	1.978	4.658	310	280	
	9	2.241	4.809	302	272	
	10	3.677	4.657	299	276	
	11	2.121	4.758	383	276	
	12	1.103	4.608	305	256	
	13	1.362	4.694	411	252	
	14	2.019	4.407	443	208	
	15	1.889	4.591	413	220	
	16	1.559	4.597	386	252	
	17	2.094	4.647	323	260	
	18	1.786	4.613	364	360	
	19	1.286	4.239	347	240	
	20	1.936	4.539	372	292	
	21	1.764	4.534	377	212	
	22	2.293	4.457	>598	184	
	23	1.915	4.541	345	316	
	24	1.655	4.574	324	296	
	25	1.889	4.449	321	304	
	26	1.575	4.396	310	172	
	27	1.956	4.565	338	296	
	28	1.439	4.561	377	212	
	29	1.741	4.498	402	272	
	30	2.222	4.828	351	244	
	31	2.565	4.795	398	288	

	<b>Sample Point</b>	001	701	701	701	701
	<b>Description</b>	Effluent	Influent	Influent	Influent	Influent
	<b>Parameter</b>	211	211	66	457	87
	<b>Description</b>	Flow Rate	Flow Rate	BOD5, Total	Suspended Solids, Total	Cadmium, Total Recoverable
	<b>Units</b>	MGD	MGD	mg/L	mg/L	ug/L
<b>Summary Values</b>	<b>Monthly Avg</b>	1.987741935	4.655903226	>351.483870968	264.387096774	0
	<b>Daily Max</b>	3.677	5.443	>598	360	<1.3
	<b>Daily Min</b>	1.103	4.239	265	172	<1.3
	<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>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
	<b>LOQ</b>					5
	<b>QC Exceedance</b>	N	N	Y	N	N
	<b>Lab Certification</b>			445005220	445005220	405132750

	<b>Sample Point</b>	701	701	001	701	701
	<b>Description</b>	Influent	Influent	Effluent	Influent	Influent
	<b>Parameter</b>	133	147	66	264	315
	<b>Description</b>	Chromium, Total Recoverable	Copper, Total Recoverable	BOD5, Total	Lead, Total Recoverable	Nickel, Total Recoverable
	<b>Units</b>	ug/L	ug/L	mg/L	ug/L	ug/L
	<b>Sample Type</b>	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	<b>Frequency</b>	MONTHLY	MONTHLY	5/WEEK	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>			8		
	<b>2</b>			11		
	<b>3</b>			8		
	<b>4</b>			7		
	<b>5</b>	13.9	101	7	6.9	11.9
	<b>6</b>			7		
	<b>7</b>			7		
	<b>8</b>			7		
	<b>9</b>			7		
	<b>10</b>			8		
	<b>11</b>			12		
	<b>12</b>			8		
	<b>13</b>			8		
	<b>14</b>			9		
	<b>15</b>			11		
	<b>16</b>			14		
	<b>17</b>			11		
	<b>18</b>			11		
	<b>19</b>			11		
	<b>20</b>			14		
	<b>21</b>			12		
	<b>22</b>			12		
	<b>23</b>			13		
	<b>24</b>			10		
	<b>25</b>			11		
	<b>26</b>			10		
	<b>27</b>			14		
	<b>28</b>			16		
	<b>29</b>			13		
	<b>30</b>			15		
	<b>31</b>			13		

	<b>Sample Point</b>	701		701		001		701		701	
	<b>Description</b>	Influent		Influent		Effluent		Influent		Influent	
	<b>Parameter</b>	133		147		66		264		315	
	<b>Description</b>	Chromium, Total Recoverable		Copper, Total Recoverable		BOD5, Total		Lead, Total Recoverable		Nickel, Total Recoverable	
	<b>Units</b>	ug/L		ug/L		mg/L		ug/L		ug/L	
<b>Summary Values</b>	<b>Monthly Avg</b>	13.9		101		10.483870968		6.9		11.9	
	<b>Daily Max</b>	13.9		101		16		6.9		11.9	
	<b>Daily Min</b>	13.9		101		7		6.9		11.9	
	<b>Week 1 Avg</b>					7.857142857					
	<b>Week 2 Avg</b>					8.428571429					
	<b>Week 3 Avg</b>					12					
	<b>Week 4 Avg</b>					12.285714286					
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					30	0				
	<b>Daily Max</b>										
	<b>Daily Min</b>										
	<b>Weekly Avg</b>					45	0				
<b>QA/QC Information</b>	<b>LOD</b>	2.5		3.4				5.9		2.6	
	<b>LOQ</b>	10		10				20		10	
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>	405132750		405132750		445005220		405132750		405132750	

	<b>Sample Point</b>	701	001	001	001	001
	<b>Description</b>	Influent	Effluent	Effluent	Effluent	Effluent
	<b>Parameter</b>	553	377	457	457	1348
	<b>Description</b>	Zinc, Total Recoverable	pH Field	Suspended Solids, Total	Suspended Solids, Total	WQT Credits Used (TSS)
	<b>Units</b>	ug/L	su	mg/L	lbs/day	lbs/month
	<b>Sample Type</b>	24 HR FLOW PROP	GRAB	24 HR FLOW PROP	CALCULATED	CALCULATED
	<b>Frequency</b>	MONTHLY	5/WEEK	5/WEEK	5/WEEK	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>		6.9	10.4	194	0
	<b>2</b>		6.9	10.8	250	0
	<b>3</b>		7.2	10.0	163	0
	<b>4</b>		7.1	8.8	149	0
	<b>5</b>	166	7.1	11.6	202	0
	<b>6</b>		7.0	13.2	259	0
	<b>7</b>		7.2	11.6	205	0
	<b>8</b>		7.2	8.0	132	0
	<b>9</b>		7.3	9.6	179	0
	<b>10</b>		7.0	12.0	368	0
	<b>11</b>		7.4	15.6	276	0
	<b>12</b>		7.4	11.2	103	0
	<b>13</b>		7.3	9.2	105	0
	<b>14</b>		7.8	11.2	189	0
	<b>15</b>		7.3	14.4	227	0
	<b>16</b>		7.3	13.2	172	0
	<b>17</b>		7.0	13.2	231	0
	<b>18</b>		7.6	10.4	155	0
	<b>19</b>		7.1	12.2	131	0
	<b>20</b>		7.2	12.0	194	0
	<b>21</b>		7.0	18.4	271	0
	<b>22</b>		7.4	15.2	291	0
	<b>23</b>		7.4	17.6	281	0
	<b>24</b>		7.1	11.2	155	0
	<b>25</b>		7.1	14.8	233	0
	<b>26</b>		7.0	9.2	121	0
	<b>27</b>		7.1	16	261	0
	<b>28</b>		7.1	18.8	226	0
	<b>29</b>		7.4	15.6	227	0
	<b>30</b>		7.4	15.2	282	0
	<b>31</b>		7.2	15.6	334	0

	<b>Sample Point</b>	701	001	001	001	001
	<b>Description</b>	Influent	Effluent	Effluent	Effluent	Effluent
	<b>Parameter</b>	553	377	457	457	1348
	<b>Description</b>	Zinc, Total Recoverable	pH Field	Suspended Solids, Total	Suspended Solids, Total	WQT Credits Used (TSS)
	<b>Units</b>	ug/L	su	mg/L	lbs/day	lbs/month
<b>Summary Values</b>	<b>Monthly Avg</b>	166	7.209677419	12.780645161	211.806451613	0
	<b>Daily Max</b>	166	7.8	18.8	368	0
	<b>Daily Min</b>	166	6.9	8	103	0
	<b>Week 1 Avg</b>			10.914285714		
	<b>Week 2 Avg</b>			10.971428571		
	<b>Week 3 Avg</b>			13.4		
	<b>Week 4 Avg</b>			14.685714286		
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>			30	0	
	<b>Daily Max</b>		9	0		
	<b>Daily Min</b>		6	0		
	<b>Weekly Avg</b>			45	0	
<b>QA/QC Information</b>	<b>LOD</b>	11.6				
	<b>LOQ</b>	40				
	<b>QC Exceedance</b>	N	N	N	N	N
	<b>Lab Certification</b>	405132750		445005220		

	<b>Sample Point</b>	001	001	001	001	001
	<b>Description</b>	Effluent	Effluent	Effluent	Effluent	Effluent
	<b>Parameter</b>	1347	388	388	789	87
	<b>Description</b>	WQT Computed Compliance (TSS)	Phosphorus, Total	Phosphorus, Total	Nitrogen, Ammonia (NH3-N) Total	Cadmium, Total Recoverable
	<b>Units</b>	lbs/day	mg/L	lbs/day	mg/L	ug/L
	<b>Sample Type</b>	CALCULATED	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	24 HR FLOW PROP
	<b>Frequency</b>	5/WEEK	5/WEEK	5/WEEK	5/WEEK	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>	194	0.24	4.47		
	<b>2</b>	250	0.34	7.88	0.6	
	<b>3</b>	163	0.27	4.40	0.5	
	<b>4</b>	149	0.23	3.90	0.4	
	<b>5</b>	202	0.31	5.39	0.3	<1.3
	<b>6</b>	259	0.29	5.68	0.3	
	<b>7</b>	205	0.28	4.95		
	<b>8</b>	132	0.36	5.94		
	<b>9</b>	179	0.25	4.67	0.2	
	<b>10</b>	368	0.33	10.12	0.2	
	<b>11</b>	276	0.33	5.84	0.3	
	<b>12</b>	103	0.26	2.39	0.3	
	<b>13</b>	105	0.24	2.73	0.3	
	<b>14</b>	189	0.33	5.56		
	<b>15</b>	227	0.27	4.25		
	<b>16</b>	172	0.41	5.33	0.9	
	<b>17</b>	231	0.31	5.41	0.7	
	<b>18</b>	155	0.32	4.77	0.6	
	<b>19</b>	131	0.38	4.08	0.4	
	<b>20</b>	194	0.33	5.33	1.3	
	<b>21</b>	271	0.38	5.59		
	<b>22</b>	291	0.34	6.50		
	<b>23</b>	281	0.48	7.67	0.4	
	<b>24</b>	155	0.32	4.42	0.3	
	<b>25</b>	233	0.37	5.83	0.2	
	<b>26</b>	121	0.29	3.81	0.7	
	<b>27</b>	261	0.45	7.34	0.3	
	<b>28</b>	226	0.48	5.76		
	<b>29</b>	227	0.38	5.52		
	<b>30</b>	282	0.26	4.82	0.6	
	<b>31</b>	334	0.26	5.56		

	<b>Sample Point</b>	001		001		001		001		001	
	<b>Description</b>	Effluent		Effluent		Effluent		Effluent		Effluent	
	<b>Parameter</b>	1347		388		388		789		87	
	<b>Description</b>	WQT Computed Compliance (TSS)		Phosphorus, Total		Phosphorus, Total		Nitrogen, Ammonia (NH3-N) Total		Cadmium, Total Recoverable	
	<b>Units</b>	lbs/day		mg/L		lbs/day		mg/L		ug/L	
<b>Summary Values</b>	<b>Monthly Avg</b>	211.806451613		0.325483871		5.351935484		0.466666667		0	
	<b>Daily Max</b>	368		0.48		10.12		1.3		<1.3	
	<b>Daily Min</b>	103		0.23		2.39		0.2		<1.3	
	<b>Week 1 Avg</b>	203.142857143						0.42			
	<b>Week 2 Avg</b>	193.142857143						0.26			
	<b>Week 3 Avg</b>	197.285714286						0.78			
	<b>Week 4 Avg</b>	224						0.38			
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	801	0	1	0			10	0		
	<b>Daily Max</b>							17	0		
	<b>Daily Min</b>										
	<b>Weekly Avg</b>	1345	0					28	0		
<b>QA/QC Information</b>	<b>LOD</b>			0.026				0.027		1.3	
	<b>LOQ</b>			0.087				0.09		5	
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>			445005220				445005220		405132750	



	<b>Sample Point</b>	001	001	001	001	001
	<b>Description</b>	Effluent	Effluent	Effluent	Effluent	Effluent
	<b>Parameter</b>	133	147	264	315	553
	<b>Description</b>	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable
	<b>Units</b>	ug/L	ug/L	ug/L	ug/L	ug/L
	<b>Sample Type</b>	24 HR FLOW PROP	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>	2.7	7.4	<5.9	9.1	20.4
	<b>6</b>					
	<b>7</b>					
	<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>					
	<b>31</b>					

	<b>Sample Point</b>	001	001	001	001	001
	<b>Description</b>	Effluent	Effluent	Effluent	Effluent	Effluent
	<b>Parameter</b>	133	147	264	315	553
	<b>Description</b>	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable
	<b>Units</b>	ug/L	ug/L	ug/L	ug/L	ug/L
<b>Summary Values</b>	<b>Monthly Avg</b>	2.7	7.4	0	9.1	20.4
	<b>Daily Max</b>	2.7	7.4	<5.9	9.1	20.4
	<b>Daily Min</b>	2.7	7.4	<5.9	9.1	20.4
	<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>Monthly Avg</b>					
	<b>Daily Max</b>					
	<b>Daily Min</b>					
	<b>Weekly Avg</b>					
<b>QA/QC Information</b>	<b>LOD</b>	2.5	3.4	5.9	2.6	11.6
	<b>LOQ</b>	10	10	20	10	40
	<b>QC Exceedance</b>	N	N	N	N	N
	<b>Lab Certification</b>	405132750	405132750	405132750	405132750	405132750

	<b>Sample Point</b>	101	112
	<b>Description</b>	Effluent Reuse	In-Plant Diversion
	<b>Parameter</b>	671	211
	<b>Description</b>	Flow Unregulated	Flow Rate
	<b>Units</b>	MGD	MGD
	<b>Sample Type</b>	CONTINUOUS	CONTINUOUS
	<b>Frequency</b>	DAILY	DAILY
<b>Sample Results</b>	<b>Day 1</b>	2.484	0
	<b>2</b>	2.663	0
	<b>3</b>	2.861	0
	<b>4</b>	2.852	0
	<b>5</b>	2.735	0
	<b>6</b>	2.497	0
	<b>7</b>	2.671	0
	<b>8</b>	2.680	0
	<b>9</b>	2.568	0
	<b>10</b>	0.98	0
	<b>11</b>	2.637	0
	<b>12</b>	3.505	0
	<b>13</b>	3.332	0
	<b>14</b>	2.388	0
	<b>15</b>	2.702	0
	<b>16</b>	30.38	0
	<b>17</b>	2.553	0
	<b>18</b>	2.827	0
	<b>19</b>	2.953	0
	<b>20</b>	2.603	0
	<b>21</b>	2.770	0
	<b>22</b>	2.164	0
	<b>23</b>	2.626	0
	<b>24</b>	2.919	0
	<b>25</b>	2.56	0
	<b>26</b>	2.821	0
	<b>27</b>	2.609	0
	<b>28</b>	3.122	0
	<b>29</b>	2.757	0
	<b>30</b>	2.606	0
	<b>31</b>	2.23	0

	<b>Sample Point</b>	101	112
	<b>Description</b>	Effluent Reuse	In-Plant Diversion
	<b>Parameter</b>	671	211
	<b>Description</b>	Flow Unregulated	Flow Rate
	<b>Units</b>	MGD	MGD
<b>Summary Values</b>	<b>Monthly Avg</b>	3.55016129	0
	<b>Daily Max</b>	30.38	0
	<b>Daily Min</b>	0.98	0
	<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>Monthly Avg</b>		
	<b>Daily Max</b>		
	<b>Daily Min</b>		
	<b>Weekly Avg</b>		
<b>QA/QC Information</b>	<b>LOD</b>		
	<b>LOQ</b>		
	<b>QC Exceedance</b>	N	N
	<b>Lab Certification</b>		

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

General Remarks

I certify that management practices identified in the approved water quality trading plan as the source of pollutant reduction credits are installed, established and properly maintained.

Laboratory Quality Control Comments

1/22/22 Inf BOD Over-Depleted.

1/7/22 BOD Blank Depletion of 0.25

Submitted by K3vin1 on 02/21/2022 2:32:09 PM