

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: 12/01/2018 - 12/31/2018
 Form Due Date: 01/21/2019
 Permit Number: 0031232

Date Received:
 DOC: 412906
 FIN: 6375
 FID: 445005220
 Region: Northeast Region
 Permit Drafter: Richard P Sachs
 Reviewer: Roy Van Gheem
 Office: Green Bay

	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	4.148	5.108	180	92	
	2	6.719	7.433	229	240	
	3	6.382	7.097	145	176	
	4	5.191	6.548	220	180	<1.3
	5	3.298	6.136	165	160	
	6	3.263	5.995	202	136	
	7	2.929	5.487	173	108	
	8	2.962	5.462	226	140	
	9	4.184	5.592	203	196	
	10	2.362	5.250	219	216	
	11	2.101	4.900	237	252	
	12	2.097	4.800	256	188	
	13	2.839	5.050	357	216	
	14	3.488	4.900	258	224	
	15	3.876	5.000	208	200	
	16	3.376	5.092	230	216	
	17	2.274	4.832	284	236	
	18	2.240	4.855	205	220	
	19	2.240	4.929	234	260	
	20	3.010	5.118	285	164	
	21	2.574	5.146	333	188	
	22	3.466	5.258	192	92	
	23	3.332	5.041	227	248	
	24	3.826	4.904	252	212	
	25	3.706	4.430	234	240	
	26	3.297	4.793	279	260	
	27	4.079	6.279	293	172	
	28	4.475	6.762	101	116	
	29	4.225	6.299	200	212	
	30	4.038	6.112	187	192	
	31	3.686	5.760	201	176	

	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
Summary Values	Monthly Avg	3.53816129	5.495741935	226.290322581	191.225806452	0
	Daily Max	6.719	7.433	357	260	<1.3
	Daily Min	2.097	4.43	101	92	<1.3
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	Monthly Avg					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	LOD					1.3
	LOQ					5
	QC Exceedance	N	N	Y	N	N
	Lab Certification			445005220	445005220	405132750

	Sample Point	701	701	701	701	701
	Description	Influent	Influent	Influent	Influent	Influent
	Parameter	133	147	264	315	553
	Description	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4	8.9	59.3	<5.9	6.3	132
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
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	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	701		701		701		701		701	
	Description	Influent		Influent		Influent		Influent		Influent	
	Parameter	133		147		264		315		553	
	Description	Chromium, Total Recoverable		Copper, Total Recoverable		Lead, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable	
	Units	ug/L		ug/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	8.9		59.3		0		6.3		132	
	Daily Max	8.9		59.3		<5.9		6.3		132	
	Daily Min	8.9		59.3		<5.9		6.3		132	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	Monthly Avg										
	Daily Max										
	Daily Min										
	Weekly Avg										
QA/QC Information	LOD	2.5		6.3		5.9		2.6		11.6	
	LOQ	10		20		19.7		10		40	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	405132750		405132750		405132750		405132750		405132750	

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	649	457	377	388	789
	Description	CBOD5	Suspended Solids, Total	pH Field	Phosphorus, Total	Nitrogen, Ammonia (NH3-N) Total
	Units	mg/L	mg/L	su	mg/L	mg/L
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	GRAB	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	5/WEEK	5/WEEK	5/WEEK	5/WEEK	5/WEEK
Sample Results	Day 1	4	11	7.4	0.24	
	2	4	11	7.4	0.18	0.2
	3	4	10	7.6	0.18	0.1
	4	4	10	7.4	0.20	0.3
	5	3	8	7.5	0.17	0.1
	6	4	7	7.4	0.20	0.2
	7	3	11	7.8	0.21	
	8	3	10	7.3	0.25	
	9	4	8	7.3	0.21	0.3
	10	4	12	7.8	0.22	0.4
	11	4	13	7.3	0.24	0.3
	12	5	13	7.2	0.29	0.6
	13	5	13	7.3	0.30	0.6
	14	5	15	7.2	0.28	
	15	3	11	7.6	0.22	
	16	5	15	7.5	0.25	0.4
	17	5	13	7.4	0.24	0.3
	18	4	12	7.4	0.25	0.3
	19	5	16	7.2	0.26	0.7
	20	4	15	7.5	0.26	0.4
	21	4	8	7.2	0.20	
	22	5	11	7.4	0.22	
	23	5	14	7.4	0.25	0.4
	24	4	14	7.5	0.25	0.6
	25	5	11	7.5	0.24	0.5
	26	5	12	7.5	0.39	1.0
	27	5	9	7.2	0.22	0.5
	28	4	7	7.6	0.20	
	29	3	9	7.3	0.16	
	30	4	8	7.3	0.16	0.1
	31	4	9	7.5	0.21	0.1

	Sample Point	001		001		001		001		001	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	649		457		377		388		789	
	Description	CBOD5		Suspended Solids, Total		pH Field		Phosphorus, Total		Nitrogen, Ammonia (NH3-N) Total	
	Units	mg/L		mg/L		su		mg/L		mg/L	
Summary Values	Monthly Avg	4.193548387		11.161290323		7.416129032		0.230645161		0.381818182	
	Daily Max	5		16		7.8		0.39		1	
	Daily Min	3		7		7.2		0.16		0.1	
	Week 1 Avg	3.714285714		9.714285714							
	Week 2 Avg	4.285714286		12							
	Week 3 Avg	4.285714286		12.857142857							
	Week 4 Avg	4.714285714		11.142857143							
Limit(s) in Effect	Monthly Avg	25	0	30	0			1	0	18	0
	Daily Max					9	0			17	0
	Daily Min					6	0				
	Weekly Avg	40	0	45	0						
QA/QC Information	LOD							0.026		0.034	
	LOQ							0.087		0.113	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	445005220		445005220				445005220		445005220	

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	87	133	147	264	315
	Description	Cadmium, Total Recoverable	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4	<1.3	<2.5	8.5	<5.9	5.2
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
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	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	87	133	147	264	315
	Description	Cadmium, Total Recoverable	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
Summary Values	Monthly Avg	0	0	8.5	0	5.2
	Daily Max	<1.3	<2.5	8.5	<5.9	5.2
	Daily Min	<1.3	<2.5	8.5	<5.9	5.2
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	Monthly Avg					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	LOD	1.3	2.5	6.3	5.9	2.6
	LOQ	5	10	20	19.7	10
	QC Exceedance	N	N	N	N	N
	Lab Certification	405132750	405132750	405132750	405132750	405132750

	Sample Point	001	101
	Description	Effluent	Effluent Reuse
	Parameter	553	671
	Description	Zinc, Total Recoverable	Flow Unregulated
	Units	ug/L	MGD
	Sample Type	24 HR FLOW PROP	CONTINUOUS
	Frequency	MONTHLY	DAILY
Sample Results	Day 1		0.960
	2		0.714
	3		0.715
	4	29.8	1.357
	5		2.838
	6		2.732
	7		2.558
	8		2.500
	9		1.408
	10		2.888
	11		2.799
	12		2.703
	13		2.211
	14		1.412
	15		1.124
	16		1.716
	17		2.558
	18		2.615
	19		2.689
	20		2.108
	21		2.572
	22		1.792
	23		1.709
	24		1.078
	25		0.724
	26		1.496
	27		2.200
	28		2.287
	29		2.074
	30		2.074
	31		2.074

	Sample Point	001	101
	Description	Effluent	Effluent Reuse
	Parameter	553	671
	Description	Zinc, Total Recoverable	Flow Unregulated
	Units	ug/L	MGD
Summary Values	Monthly Avg	29.8	1.957580645
	Daily Max	29.8	2.888
	Daily Min	29.8	0.714
	Week 1 Avg		
	Week 2 Avg		
	Week 3 Avg		
	Week 4 Avg		
Limit(s) in Effect	Monthly Avg		
	Daily Max		
	Daily Min		
	Weekly Avg		
QA/QC Information	LOD	11.6	
	LOQ	40	
	QC Exceedance	N	N
	Lab Certification	405132750	

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

General Remarks

Laboratory Quality Control Comments

BOD GGA Failure on 12-14 (162mg/L)

Submitted by K3vin1 on 01/15/2019 1:45:02 PM