

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: 11/01/2018 - 11/30/2018
 Form Due Date: 12/21/2018
 Permit Number: 0031232

Date Received:
 DOC: 412905
 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	5.070	5.070	314	248	
	2	5.134	5.134	209	212	
	3	4.945	4.945	201	180	
	4	6.655	6.655	316	216	
	5	7.119	7.119	157	208	
	6	8.259	8.259	161	192	
	7	7.227	7.227	261	100	<1.3
	8	6.841	6.841	200	168	
	9	6.615	6.615	156	164	
	10	6.050	6.050	137	132	
	11	6.243	6.243	197	136	
	12	5.893	5.893	201	180	
	13	5.615	5.768	226	196	
	14	4.550	5.375	197	224	
	15	4.438	5.524	190	188	
	16	5.252	5.252	313	180	
	17	4.966	4.966	305	172	
	18	5.289	5.289	224	224	
	19	4.283	5.090	223	184	
	20	3.281	4.900	267	252	
	21	3.688	5.250	376	236	
	22	3.991	4.710	254	276	
	23	4.110	4.830	250	192	
	24	4.948	5.500	317	212	
	25	5.339	5.339	218	196	
	26	3.584	4.899	239	1644	
	27	2.362	4.674	213	220	
	28	2.081	4.828	235	196	
	29	1.915	4.747	283	224	
	30	2.295	4.665	221	132	
	31					

	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	4.9346	5.588566667	235.366666667	242.8	0
	Daily Max	8.259	8.259	376	1644	<1.3
	Daily Min	1.915	4.665	137	100	<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			445023150*Footnote	45023150*Footnote	405132750

*Footnote: QA/QC Information is not identical for each day, so the value shown is the maximum of all values for LOD/LOQ data or the first Lab found for Lab Cert data.

	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					
	5					
	6					
	7	7.7	46.8	<5.9	9.4	119
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	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	7.7		46.8		0		9.4		119	
	Daily Max	7.7		46.8		<5.9		9.4		119	
	Daily Min	7.7		46.8		<5.9		9.4		119	
	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	5	13	7.5	0.21	1.9
	2	3	12	7.2	0.23	
	3	4	12	7.3	0.19	
	4	6	13	7.3	0.22	2.7
	5	4	10	7.7	0.16	0.3
	6	4	14	7.4	0.30	0.7
	7	4	9	7.4	0.15	0.1
	8	3	10	7.4	0.14	0.2
	9	4	8	7.6	0.14	
	10	3	9	7.4	0.14	
	11	3	6	7.6	0.13	0.1
	12	4	10	7.5	0.18	0.1
	13	3	7	7.6	0.15	0.1
	14	4	10	7.3	0.26	0.1
	15	3	7	8.0	0.14	0.1
	16	3	8	7.4	0.16	
	17	3	7	7.4	0.12	
	18	3	13	7.4	0.19	0.3
	19	3	10	7.4	0.19	0.1
	20	3	6	7.4	0.18	0.1
	21	3	10	7.5	0.19	0.1
	22	3	10	7.5	0.23	0.1
	23	3	10	7.6	0.22	
	24	4	10	7.5	0.19	
	25	4	10	7.5	0.21	0.2
	26	4	10	7.7	0.19	0.1
	27	4	11	7.5	0.30	0.1
	28	4	11	7.3	0.27	0.2
	29	4	10	7.5	0.43	0.5
	30	5	10	7.2	0.22	
	31					

	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	3.666666667		9.866666667		7.466666667		0.201		0.39047619	
	Daily Max	6		14		8		0.43		2.7	
	Daily Min	3		6		7.2		0.12		0.1	
	Week 1 Avg	4.285714286		11.857142857							
	Week 2 Avg	3.428571429		8.571428571							
	Week 3 Avg	3		8.714285714							
	Week 4 Avg	3.714285714		10.285714286							
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	445023150*Footnote		445023150*Footnote		445023150*Footnote		445023150*Footnote		445023150	

*Footnote: QA/QC Information is not identical for each day, so the value shown is the maximum of all values for LOD/LOQ data or the first Lab found for Lab Cert data.

	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					
	5					
	6					
	7	<1.3	<2.5	8.1	<5.9	5.9
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	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	8.1	0	5.9
	Daily Max	<1.3	<2.5	8.1	<5.9	5.9
	Daily Min	<1.3	<2.5	8.1	<5.9	5.9
	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
	2		0
	3		0
	4		0
	5		0
	6		0
	7	23.2	0
	8		0
	9		0
	10		0
	11		0
	12		0
	13		0
	14		0.153
	15		0.825
	16		1.086
	17		0
	18		0
	19		0.807
	20		1.619
	21		1.562
	22		0.719
	23		0.720
	24		0.552
	25		0
	26		1.315
	27		2.312
	28		2.747
	29		2.832
	30		2.370
	31		

	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	23.2	0.653966667
	Daily Max	23.2	2.832
	Daily Min	23.2	0
	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 Blank Failure: 11-27(0.30)

Submitted by K3vin1 on 12/17/2018 1:05:27 PM