

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: 11/01/2019 - 11/30/2019
 Form Due Date: 12/21/2019
 Permit Number: 0031232

Date Received:
 DOC: 436501
 FIN: 6375
 FID: 445005220
 Region: Northeast Region
 Permit Drafter: Lisa L Lumley
 Reviewer: Barti Oumarou
 Office: Oshkosh

	Sample Point	001	701	701	001	701
	Description	Effluent	Influent	Influent	Effluent	Influent
	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	5/WEEK	5/WEEK	5/WEEK
Sample Results	Day 1	4.024	6.365	200	10	108
	2	3.827	6.490	151	8	88
	3	3.551	6.260	193	10	168
	4	3.035	6.174	219	9	200
	5	2.681	5.697	228	10	196
	6	2.564	5.479	190	10	156
	7	2.608	5.313	182	8	148
	8	2.532	5.252	224	8	144
	9	3.805	5.401	185	9	196
	10	3.454	5.476	201	10	192
	11	2.446	5.009	188	10	180
	12	2.367	4.959	221	10	240
	13	1.950	4.536	215	10	224
	14	2.106	4.820	222	10	180
	15	1.934	4.730	221	12	192
	16	1.986	4.830	240	11	188
	17	2.551	5.064	229	14	212
	18	1.958	4.623	236	12	196
	19	2.023	4.874	252	9	184
	20	2.466	5.292	241	13	208
	21	9.806	12.591	167	13	152
	22	6.420	9.146	133	8	104
	23	4.952	7.670	144	8	124
	24	4.323	7.135	144	9	144
	25	3.740	6.548	169	10	148
	26	5.751	8.247	174	9	232
	27	11.280	13.822	90	9	96
	28	6.962	9.672	203	6	84
	29	5.536	8.220	205	6	92
	30	7.040	9.329	138	7	104
	31					

	Sample Point	001	701	701	001	701
	Description	Effluent	Influent	Influent	Effluent	Influent
	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
Summary Values	Monthly Avg	3.989266667	6.634133333	193.5	9.6	162.666666667
	Daily Max	11.28	13.822	252	14	240
	Daily Min	1.934	4.536	90	6	84
	Week 1 Avg				9.285714286	
	Week 2 Avg				9.571428571	
	Week 3 Avg				12	
	Week 4 Avg				8.428571429	
Limit(s) in Effect	Monthly Avg				30	0
	Daily Max					
	Daily Min					
	Weekly Avg				45	0
QA/QC Information	LOD					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification			445005220	445005220	445005220

	Sample Point	701	701	701	701	701
	Description	Influent	Influent	Influent	Influent	Influent
	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	<1.3	7.0	44.8	<5.9	<2.6
	6					
	7					
	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	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	7	44.8	0	0
	Daily Max	<1.3	7	44.8	<5.9	<2.6
	Daily Min	<1.3	7	44.8	<5.9	<2.6
	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	3.4	5.9	2.6
	LOQ	5	10	11.2	19.7	10
	QC Exceedance	N	N	N	N	N
	Lab Certification	405132750	405132750	405132750	405132750	405132750

	Sample Point	701	001	001	001	001
	Description	Influent	Effluent	Effluent	Effluent	Effluent
	Parameter	553	377	457	457	1348
	Description	Zinc, Total Recoverable	pH Field	Suspended Solids, Total	Suspended Solids, Total	WQT Credits Used (TSS)
	Units	ug/L	su	mg/L	lbs/day	lbs/month
	Sample Type	24 HR FLOW PROP	GRAB	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	5/WEEK	5/WEEK	5/WEEK	MONTHLY
Sample Results	Day 1		7.4	17	564	
	2		7.1	17	549	
	3		7.3	18	545	
	4		7.3	19	486	
	5	89.1	7.3	17	385	
	6		7.4	16	334	
	7		7.2	16	357	
	8		7.2	20	422	
	9		7.4	20	622	
	10		7.4	24	680	
	11		7.1	19	384	
	12		7.2	20	403	
	13		7.3	19	312	
	14		7.3	20	344	
	15		7.1	22	348	
	16		7.7	21	351	
	17		7.7	21	451	
	18		7.4	22	366	
	19		7.2	21	351	
	20		7.2	21	428	
	21		7.2	14	1178	
	22		7.3	14	728	
	23		7.1	13	529	
	24		7.2	16	562	
	25		7.6	14	449	
	26		7.1	14	671	
	27		7.1	11	1016	
	28		7.2	10	604	
	29		7.1	12	536	
	30		7.2	11	658	0
	31					

	Sample Point	701	001	001	001	001
	Description	Influent	Effluent	Effluent	Effluent	Effluent
	Parameter	553	377	457	457	1348
	Description	Zinc, Total Recoverable	pH Field	Suspended Solids, Total	Suspended Solids, Total	WQT Credits Used (TSS)
	Units	ug/L	su	mg/L	lbs/day	lbs/month
Summary Values	Monthly Avg	89.1	7.276666667	17.3	520.433333333	0
	Daily Max	89.1	7.7	24	1178	0
	Daily Min	89.1	7.1	10	312	0
	Week 1 Avg			17.142857143		
	Week 2 Avg			20.285714286		
	Week 3 Avg			20.285714286		
	Week 4 Avg			13.142857143		
Limit(s) in Effect	Monthly Avg			30	0	
	Daily Max		9	0		
	Daily Min		6	0		
	Weekly Avg			45	0	
QA/QC Information	LOD	11.6				
	LOQ	40				
	QC Exceedance	N	N	N	N	N
	Lab Certification	405132750		445005220		

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	1347	388	388	789	87
	Description	WQT Computed Compliance (TSS)	Phosphorus, Total	Phosphorus, Total	Nitrogen, Ammonia (NH3-N) Total	Cadmium, Total Recoverable
	Units	lbs/day	mg/L	lbs/day	mg/L	ug/L
	Sample Type	CALCULATED	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	5/WEEK	5/WEEK	5/WEEK	5/WEEK	MONTHLY
Sample Results	Day 1	564	0.34	11.41		
	2	549	0.29	9.26		
	3	545	0.26	7.70	0.5	
	4	486	0.36	9.11	0.4	
	5	385	0.33	7.38	0.5	<1.3
	6	334	0.28	5.99	0.4	
	7	357	0.37	8.05	0.3	
	8	422	0.39	8.24		
	9	622	0.40	12.69		
	10	680	0.34	9.79	0.7	
	11	384	0.35	7.14	0.3	
	12	403	0.40	7.90	0.3	
	13	312	0.36	5.85	0.3	
	14	344	0.33	5.80	0.3	
	15	348	0.45	7.26		
	16	351	0.36	5.96		
	17	451	0.47	10.00	0.6	
	18	366	0.41	6.70	0.5	
	19	351	0.38	6.41	0.5	
	20	428	0.40	8.23	0.3	
	21	1178	0.27	22.08	1.2	
	22	728	0.22	11.78		
	23	529	0.22	9.09		
	24	562	0.26	9.37	0.2	
	25	449	0.25	7.80	0.2	
	26	671	0.19	9.11	0.3	
	27	1016	0.25	23.52	0.4	
	28	604	0.17	9.87	0.2	
	29	536	0.24	11.08		
	30	658	0.22	12.92		
	31					

	Sample Point	001		001		001		001		001	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	1347		388		388		789		87	
	Description	WQT Computed Compliance (TSS)		Phosphorus, Total		Phosphorus, Total		Nitrogen, Ammonia (NH3-N) Total		Cadmium, Total Recoverable	
	Units	lbs/day		mg/L		lbs/day		mg/L		ug/L	
Summary Values	Monthly Avg	520.433333333		0.318666667		9.583		0.42		0	
	Daily Max	1178		0.47		23.52		1.2		<1.3	
	Daily Min	312		0.17		5.8		0.2		<1.3	
	Week 1 Avg	460						0.42			
	Week 2 Avg	452.428571429						0.38			
	Week 3 Avg	496.142857143						0.62			
	Week 4 Avg	651.285714286						0.26			
Limit(s) in Effect	Monthly Avg	801	0	1	0			18	0		
	Daily Max							17	0		
	Daily Min										
	Weekly Avg	1345	0					17	0		
QA/QC Information	LOD			0.026				0.034		1.3	
	LOQ			0.087				0.113		5	
	QC Exceedance	N		N		N		N		N	
	Lab Certification			445005220				445005220		405132750	

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	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	<2.5	3.8	<5.9	2.7	18.7
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
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	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	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	0	3.8	0	2.7	18.7
	Daily Max	<2.5	3.8	<5.9	2.7	18.7
	Daily Min	<2.5	3.8	<5.9	2.7	18.7
	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	3.4	5.9	2.6	11.6
	LOQ	10	11.2	19.7	10	40
	QC Exceedance	N	N	N	N	N
	Lab Certification	405132750	405132750	405132750	405132750	405132750

	Sample Point	101	112
	Description	Effluent Reuse	In-Plant Diversion
	Parameter	671	211
	Description	Flow Unregulated	Flow Rate
	Units	MGD	MGD
	Sample Type	CONTINUOUS	CONTINUOUS
	Frequency	DAILY	DAILY
Sample Results	Day 1	2.341	0
	2	2.663	0
	3	2.709	0
	4	3.139	0
	5	3.016	0
	6	2.915	0
	7	2.705	0
	8	2.720	0
	9	15.96	0
	10	2.022	0
	11	2.563	0
	12	2.592	0
	13	2.586	0
	14	2.714	0
	15	2.796	0
	16	2.844	0
	17	2.513	0
	18	2.665	0
	19	2.851	0
	20	2.826	0
	21	2.785	0
	22	2.726	0
	23	2.718	0
	24	2.812	0
	25	2.808	0
	26	2.496	0
	27	2.542	0
	28	2.710	0
	29	2.684	0
	30	2.289	0
	31		

	Sample Point	101	112
	Description	Effluent Reuse	In-Plant Diversion
	Parameter	671	211
	Description	Flow Unregulated	Flow Rate
	Units	MGD	MGD
Summary Values	Monthly Avg	3.123666667	0
	Daily Max	15.96	0
	Daily Min	2.022	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		
	LOQ		
	QC Exceedance	N	N
	Lab Certification		

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

There were no exceedances for the November.

Submitted by K3vin1 on 12/06/2019 2:03:37 PM