

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: 02/01/2020 - 02/29/2020
 Form Due Date: 03/21/2020
 Permit Number: 0031232

Date Received:
 DOC: 440825
 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	1.682	4.621	251	6	164
	2	2.948	5.887	230	8	232
	3	2.951	5.890	205	7	168
	4	2.487	5.422	253	5	172
	5	2.388	5.296	199	5	212
	6	2.005	5.117	230	5	196
	7	2.128	5.197	338	7	196
	8	1.757	4.873	229	4	148
	9	2.079	5.069	248	5	208
	10	1.834	4.519	234	7	184
	11	1.507	4.402	238	4	240
	12	1.602	4.545	260	5	244
	13	1.104	4.043	249	6	224
	14	1.472	4.255	254	5	124
	15	1.674	4.402	211	7	128
	16	1.767	4.483	213	6	184
	17	2.606	4.410	337	7	220
	18	0.751	4.341	252	5	248
	19	1.343	4.036	308	6	236
	20	1.342	4.026	263	5	212
	21	1.408	4.339	295	6	204
	22	1.517	4.498	258	6	184
	23	2.182	5.110	246	6	200
	24	2.033	4.944	279	9	196
	25	1.673	4.610	280	6	184
	26	1.672	4.611	341	6	224
	27	1.176	4.113	305	5	192
	28	1.316	4.293	282	5	204
	29	1.369	4.351	282	6	244
	30					
	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	1.785275862	4.679413793	261.034482759	5.862068966	199.034482759
	Daily Max	2.951	5.89	341	9	248
	Daily Min	0.751	4.026	199	4	124
	Week 1 Avg				6.142857143	
	Week 2 Avg				5.142857143	
	Week 3 Avg				6	
	Week 4 Avg				6.142857143	
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	Y	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	<1.3	7.7	45.8	<5.9	6.5
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
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	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	7.7	45.8	0	6.5
	Daily Max	<1.3	7.7	45.8	<5.9	6.5
	Daily Min	<1.3	7.7	45.8	<5.9	6.5
	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		7.3	10.4	146	
	2		7.3	9.6	236	
	3		7.1	8.4	207	
	4	115	7.2	8.4	174	
	5		7.3	4.8	96	
	6		7.3	4.4	74	
	7		7.3	7.2	128	
	8		7.7	6.4	94	
	9		7.8	6.4	111	
	10		7.2	5.6	86	
	11		7.3	6.0	75	
	12		7.3	5.2	69	
	13		7.3	7.2	66	
	14		7.5	6.0	74	
	15		7.1	7.6	106	
	16		7.0	5.6	83	
	17		7.6	8.4	183	
	18		7.1	6.4	40	
	19		7.3	6.8	76	
	20		7.3	6.4	72	
	21		7.2	8.8	103	
	22		7.3	7.6	96	
	23		7.3	6.4	116	
	24		7.4	10.8	183	
	25		7.3	6.8	95	
	26		7.3	6.0	84	
	27		7.3	4.4	43	
	28		7.4	5.6	61	
	29		7.2	8.0	91	0
	30					
	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	115	7.310344828	6.951724138	105.793103448	0
	Daily Max	115	7.8	10.8	236	0
	Daily Min	115	7	4.4	40	0
	Week 1 Avg			7.6		
	Week 2 Avg			6.114285714		
	Week 3 Avg			7.142857143		
	Week 4 Avg			6.8		
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	146	0.18	2.53		
	2	236	0.19	4.67	0.60	
	3	207	0.21	5.17	0.30	
	4	174	0.23	4.77	0.30	<1.3
	5	96	0.18	3.58	0.20	
	6	74	0.17	2.84	0.20	
	7	128	0.15	2.66		
	8	94	0.15	2.20		
	9	111	0.15	2.60	0.20	
	10	86	0.16	2.45	0.30	
	11	75	0.15	1.89	0.20	
	12	69	0.17	2.27	0.30	
	13	66	0.17	1.57	0.20	
	14	74	0.50	6.14		
	15	106	0.19	2.65		
	16	83	0.13	1.92	0.30	
	17	183	0.15	3.26	0.30	
	18	40	0.17	1.06	0.20	
	19	76	0.19	2.13	0.20	
	20	72	0.16	1.79	0.10	
	21	103	0.24	2.82		
	22	96	0.14	1.77		
	23	116	0.17	3.09	0.30	
	24	183	0.23	3.90	0.40	
	25	95	0.12	1.67	0.30	
	26	84	0.18	2.51	0.20	
	27	43	0.17	1.67	0.30	
	28	61	0.15	1.65		
	29	91	0.19	2.17		
	30					
	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	105.793103448		0.184137931		2.737931034		0.27		0	
	Daily Max	236		0.5		6.14		0.6		<1.3	
	Daily Min	40		0.12		1.06		0.1		<1.3	
	Week 1 Avg	151.571428571						0.32			
	Week 2 Avg	82.142857143						0.24			
	Week 3 Avg	94.714285714						0.22			
	Week 4 Avg	96.857142857						0.3			
Limit(s) in Effect	Monthly Avg	801	0	1	0			10	0		
	Daily Max							17	0		
	Daily Min										
	Weekly Avg	1345	0					28	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	2.7	8.3	<5.9	7.1	27.3
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	27					
	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	2.7	8.3	0	7.1	27.3
	Daily Max	2.7	8.3	<5.9	7.1	27.3
	Daily Min	2.7	8.3	<5.9	7.1	27.3
	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	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	2.939	0
	2	2.939	0
	3	2.939	0
	4	2.935	0
	5	2.908	0
	6	3.112	0
	7	3.069	0
	8	3.116	0
	9	2.990	0
	10	2.685	0
	11	2.895	0
	12	2.943	0
	13	2.939	0
	14	2.783	0
	15	2.728	0
	16	2.716	0
	17	1.804	0
	18	3.590	0
	19	2.693	0
	20	2.684	0
	21	2.931	0
	22	2.981	0
	23	2.928	0
	24	2.911	0
	25	2.937	0
	26	2.939	0
	27	2.937	0
	28	2.977	0
	29	2.982	0
	30		
	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	2.894137931	0
	Daily Max	3.59	0
	Daily Min	1.804	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

BOD Blank exceedance 2-17-2020 (0.82)
BOD GGA exceedance 2-20-2020 (233)

Submitted by K3vin1 on 03/13/2020 9:54:39 AM