

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: 02/01/2021 - 02/28/2021
 Form Due Date: 03/21/2021
 Permit Number: 0031232

Date Received:
 DOC: 461511
 FIN: 6375
 FID: 445005220
 Region: Northeast Region
 Permit Drafter: Lisa L Lumley
 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	1.736	4.868	318	244	
	2	1.732	4.613	327	208	<1.3
	3	1.691	4.596	311	232	
	4	3.532	4.415	392	248	
	5	0.169	4.478	331	292	
	6	2.296	4.512	371	240	
	7	2.099	4.576	309	244	
	8	1.947	4.624	317	260	
	9	1.849	4.477	327	280	
	10	1.566	4.296	291	208	
	11	1.888	4.349	353	264	
	12	2.196	4.478	293	180	
	13	2.503	4.429	296	208	
	14	2.734	4.651	341	264	
	15	2.668	4.575	327	240	
	16	2.810	4.647	340	248	
	17	2.474	4.579	275	268	
	18	2.597	4.695	317	296	
	19	2.540	4.599	347	220	
	20	2.298	4.512	317	212	
	21	2.628	4.772	312	244	
	22	2.260	4.392	335	232	
	23	2.355	5.458	237	188	
	24	2.544	5.756	238	192	
	25	2.400	5.422	260	188	
	26	2.627	5.605	284	224	
	27	3.849	6.256	284	176	
	28	4.309	6.580	245	180	
	29					
	30					
	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	2.36775	4.828928571	310.535714286	231.428571429	0
	Daily Max	4.309	6.58	392	296	<1.3
	Daily Min	0.169	4.296	237	176	<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	001	701	701	701	701
	Description	Effluent	Influent	Influent	Influent	Influent
	Parameter	66	133	147	264	315
	Description	BOD5, Total	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable
	Units	mg/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	5/WEEK	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1	11				
	2	8	13.8	189	11.3	11.6
	3	10				
	4	11				
	5	11				
	6	10				
	7	11				
	8	11				
	9	13				
	10	11				
	11	11				
	12	9				
	13	11				
	14	14				
	15	13				
	16	10				
	17	12				
	18	10				
	19	11				
	20	10				
	21	11				
	22	8				
	23	8				
	24	7				
	25	7				
	26	8				
	27	8				
	28	8				
	29					
	30					
	31					

	Sample Point	001		701		701		701		701	
	Description	Effluent		Influent		Influent		Influent		Influent	
	Parameter	66		133		147		264		315	
	Description	BOD5, Total		Chromium, Total Recoverable		Copper, Total Recoverable		Lead, Total Recoverable		Nickel, Total Recoverable	
	Units	mg/L		ug/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	10.107142857		13.8		189		11.3		11.6	
	Daily Max	14		13.8		189		11.3		11.6	
	Daily Min	7		13.8		189		11.3		11.6	
	Week 1 Avg	10.285714286									
	Week 2 Avg	11.428571429									
	Week 3 Avg	11									
	Week 4 Avg	7.714285714									
Limit(s) in Effect	Monthly Avg	30	0								
	Daily Max										
	Daily Min										
	Weekly Avg	45	0								
QA/QC Information	LOD			2.5		3.4		5.9		2.6	
	LOQ			10		10		20		10	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	445005220		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	9.6	139	0
	2	168	7.4	10.0	144	0
	3		7.2	8.8	124	0
	4		7.2	9.6	283	0
	5		7.1	9.6	14	0
	6		7.1	10.4	199	0
	7		7.0	9.2	161	0
	8		7.3	14.0	227	0
	9		7.1	12.0	185	0
	10		7.3	12.8	167	0
	11		7.3	13.6	214	0
	12		7.2	14.4	264	0
	13		7.4	13.2	276	0
	14		7.3	10.4	237	0
	15		7.4	11.6	258	0
	16		7.3	11.6	272	0
	17		7.3	10.4	215	0
	18		7.5	9.6	208	0
	19		7.3	11.2	237	0
	20		8.2	10.8	207	0
	21		7.9	12.4	272	0
	22		7.3	10.8	204	0
	23		7.3	8.8	173	0
	24		7.3	11.6	246	0
	25		7.5	11.6	232	0
	26		7.4	8.4	184	0
	27		7.4	7.2	231	0
	28		7.2	5.2	187	0
	29					
	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	168	7.339285714	10.671428571	205.714285714	0
	Daily Max	168	8.2	14.4	283	0
	Daily Min	168	7	5.2	14	0
	Week 1 Avg			9.6		
	Week 2 Avg			12.914285714		
	Week 3 Avg			11.085714286		
	Week 4 Avg			9.085714286		
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	139	0.31	4.49	0.5	
	2	144	0.29	4.19	0.4	<1.3
	3	124	0.32	4.51	0.7	
	4	283	0.28	8.25	0.7	
	5	14	0.28	0.39		
	6	199	0.34	6.51		
	7	161	0.30	5.25	0.4	
	8	227	0.28	4.55	0.3	
	9	185	0.33	5.09	0.4	
	10	167	0.34	4.44	0.2	
	11	214	0.35	5.51	0.4	
	12	264	0.31	5.68		
	13	276	0.31	6.47		
	14	237	0.33	7.52	0.8	
	15	258	0.35	7.79	0.5	
	16	272	0.33	7.73	0.3	
	17	215	0.28	5.78	0.4	
	18	208	0.35	7.58	0.5	
	19	237	0.34	7.20		
	20	207	0.36	6.90		
	21	272	0.30	6.58	0.4	
	22	204	0.35	6.60	0.4	
	23	173	0.46	9.03	0.4	
	24	246	0.28	5.94	0.2	
	25	232	0.29	5.80	0.2	
	26	184	0.23	5.04		
	27	231	0.13	4.17		
	28	187	0.21	7.55	0.3	
	29					
	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	205.714285714		0.308214286		5.947857143		0.42		0	
	Daily Max	283		0.46		9.03		0.8		<1.3	
	Daily Min	14		0.13		0.39		0.2		<1.3	
	Week 1 Avg	152						0.54			
	Week 2 Avg	224.285714286						0.42			
	Week 3 Avg	238.428571429						0.42			
	Week 4 Avg	208.142857143						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	4.5	8.1	<5.9	9.0	24.9
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
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	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	4.5		8.1		0		9		24.9	
	Daily Max	4.5		8.1		<5.9		9		24.9	
	Daily Min	4.5		8.1		<5.9		9		24.9	
	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	2.5		3.4		5.9		2.6		11.6	
	LOQ	10		10		20		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	3.132	0
	2	2.881	0
	3	2.905	0
	4	0.883	0
	5	4.309	0
	6	2.216	0
	7	2.477	0
	8	2.677	0
	9	2.628	0
	10	2.730	0
	11	2.461	0
	12	2.282	0
	13	1.926	0
	14	1.917	0
	15	1.907	0
	16	1.837	0
	17	2.105	0
	18	2.098	0
	19	2.059	0
	20	2.214	0
	21	2.144	0
	22	2.132	0
	23	3.103	0
	24	3.212	0
	25	3.022	0
	26	2.978	0
	27	2.407	0
	28	2.271	0
	29		
	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	2.461178571	0
	Daily Max	4.309	0
	Daily Min	0.883	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

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

BOD Blank Exceedance: 2-15 (0.33ppm), 2-25 (0.26ppm)

Submitted by K3vin1 on 03/15/2021 7:06:06 AM