

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: 02/01/2018 - 02/28/2018
 Form Due Date: 03/21/2018
 Permit Number: 0031232

Date Received:
 DOC: 393933
 FIN: 6375
 FID: 445005220
 Region: Northeast Region
 Permit Drafter: Richard P Sachs
 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	1.778	4.054	338	393	
	2	1.939	4.028	302	308	
	3	1.367	3.650	229	264	
	4	1.794	3.986	171	248	
	5	2.419	4.114	271	240	
	6	1.347	3.581	264	284	
	7	1.088	3.594	274	240	<1.3
	8	0.757	3.777	257	336	
	9	0.479	3.455	227	100	
	10	1.198	3.672	224	120	
	11	2.156	3.760	338	316	
	12	2.004	3.802	359	320	
	13	1.195	3.599	320	276	
	14	1.377	3.897	345	352	
	15	2.104	4.651	278	296	
	16	1.586	4.139	260	188	
	17	1.256	3.810	259	144	
	18	1.502	4.073	325	272	
	19	1.502	4.010	344	340	
	20	3.183	5.940	301	268	
	21	1.526	4.242	257	260	
	22	1.573	4.303	298	288	
	23	2.565	5.285	210	232	
	24	3.346	6.070	221	200	
	25	3.209	5.911	245	184	
	26	2.471	5.173	246	276	
	27	2.593	5.277	203	268	
	28	2.282	4.988	218	204	
	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	1.842714286		4.31575		270.857142857		257.75		0	
	Daily Max	3.346		6.07		359		393		<1.3	
	Daily Min	0.479		3.455		171		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					445005220		445005220		405132750	

	Sample Point	701	701	701	701	001
	Description	Influent	Influent	Influent	Influent	Effluent
	Parameter	133	147	264	315	649
	Description	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	CBOD5
	Units	ug/L	ug/L	ug/L	ug/L	mg/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	5/WEEK
Sample Results	Day 1					6
	2					7
	3					4
	4					5
	5					5
	6					5
	7	4.4	55.7	10.5	4.9	6
	8					9
	9					5
	10					5
	11					6
	12					6
	13					5
	14					5
	15					6
	16					4
	17					5
	18					5
	19					5
	20					6
	21					5
	22					6
	23					4
	24					5
	25					5
	26					6
	27					5
	28					4
	29					
	30					
	31					

	Sample Point	701		701		701		701		001	
	Description	Influent		Influent		Influent		Influent		Effluent	
	Parameter	133		147		264		315		649	
	Description	Chromium, Total Recoverable		Copper, Total Recoverable		Lead, Total Recoverable		Nickel, Total Recoverable		CBOD5	
	Units	ug/L		ug/L		ug/L		ug/L		mg/L	
Summary Values	Monthly Avg	4.4		55.7		10.5		4.9		5.357142857	
	Daily Max	4.4		55.7		10.5		4.9		9	
	Daily Min	4.4		55.7		10.5		4.9		4	
	Week 1 Avg									5.428571429	
	Week 2 Avg									5.857142857	
	Week 3 Avg									5.142857143	
	Week 4 Avg									5	
Limit(s) in Effect	Monthly Avg									25	0
	Daily Max										
	Daily Min										
	Weekly Avg									40	0
QA/QC Information	LOD	2.5		6.3		4.3		2.6			
	LOQ	10		20		13		10			
	QC Exceedance	N		N		N		N		Y	
	Lab Certification	405132750		405132750		405132750		405132750		445005220	

	Sample Point	701	001	001	001	001
	Description	Influent	Effluent	Effluent	Effluent	Effluent
	Parameter	553	457	377	388	789
	Description	Zinc, Total Recoverable	Suspended Solids, Total	pH Field	Phosphorus, Total	Nitrogen, Ammonia (NH3-N) Total
	Units	ug/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	MONTHLY	5/WEEK	5/WEEK	5/WEEK	5/WEEK
Sample Results	Day 1		15	7.5	0.37	0.7
	2		14	7.5	0.40	
	3		12	7.5	0.31	
	4		14	7.5	0.29	0.2
	5		14	7.3	0.36	0.4
	6		11	7.3	0.28	0.2
	7	127	12	7.5	0.38	0.3
	8		12	7.4	0.43	0.3
	9		10	7.3	0.36	
	10		9	7.4	0.38	
	11		14	7.2	0.40	0.2
	12		14	7.5	0.40	0.3
	13		12	7.4	0.34	0.2
	14		12	7.5		0.1
	15		14	7.1		0.2
	16		12	7.6		
	17		14	7.3		
	18		8	7.3		0.2
	19		11	7.6		0.2
	20		12	7.3		0.5
	21		12	7.1		0.4
	22		12	7.4		0.2
	23		11	7.8		
	24		13	7.5		
	25		7	7.6		0.2
	26		8	7.3		0.3
	27		10	7.2		0.3
	28		8	7.2		0.2
	29					
	30					
	31					

	Sample Point	701		001		001		001		001	
	Description	Influent		Effluent		Effluent		Effluent		Effluent	
	Parameter	553		457		377		388		789	
	Description	Zinc, Total Recoverable		Suspended Solids, Total		pH Field		Phosphorus, Total		Nitrogen, Ammonia (NH3-N) Total	
	Units	ug/L		mg/L		su		mg/L		mg/L	
Summary Values	Monthly Avg	127		11.678571429		7.396428571		0.361538462		0.28	
	Daily Max	127		15		7.8		0.43		0.7	
	Daily Min	127		7		7.1		0.28		0.1	
	Week 1 Avg			13.142857143						0.36	
	Week 2 Avg			11.857142857						0.22	
	Week 3 Avg			11.857142857						0.3	
	Week 4 Avg			9.857142857						0.24	
Limit(s) in Effect	Monthly Avg			30	0			1	0	10	0
	Daily Max					9	0			17	0
	Daily Min					6	0				
	Weekly Avg			45	0					28	0
QA/QC Information	LOD	9.3						0.026		0.045	
	LOQ	40						0.087		0.15	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	405132750		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					
	5					
	6					
	7	<1.3	<2.5	9.9	6.2	7.6
	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		9.9		6.2		7.6	
	Daily Max	<1.3		<2.5		9.9		6.2		7.6	
	Daily Min	<1.3		<2.5		9.9		6.2		7.6	
	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		6.3		4.3		2.6	
	LOQ	5		10		20		13		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		2.276
	2		2.089
	3		2.283
	4		2.192
	5		1.695
	6		2.234
	7	30	2.506
	8		3.020
	9		2.976
	10		2.474
	11		1.604
	12		1.798
	13		2.404
	14		2.520
	15		2.547
	16		2.553
	17		2.554
	18		2.571
	19		2.508
	20		2.757
	21		2.716
	22		2.730
	23		2.720
	24		2.724
	25		2.702
	26		2.702
	27		2.684
	28		2.706
	29		
	30		
	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	30		2.473035714	
	Daily Max	30		3.02	
	Daily Min	30		1.604	
	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	9.3			
	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	Total P
2-10(Blank Exceedance of 0.27)	2-1 Blank of 0.051 (exceeds 0.026)
2-25(Blank Exceedance of 0.32)	2-1 CS of 1.259 (exceeds 1.1)
2-28(Blank Exceedance of 0.30)	

Submitted by K3vin1 on 03/13/2018 9:55:03 AM