

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: HEART OF THE VALLEY MSD WW TRTMNT FAC
 Contact Address: 801 Thilmany Rd
 Kaukauna, WI 54130
 Facility Contact: Brian Helming, District Director
 Phone Number: (920) 766-5731
 Reporting Period: 04/01/2017 - 04/30/2017
 Form Due Date: 05/21/2017
 Permit Number: 0031232

Date Received:
 DOC: 380635
 FIN: 6375
 FID: 445005220
 Region: Northeast Region
 Permit Drafter: Richard P Sachs
 Reviewer: Mark K. Corbett
 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	6.061	7.594	105	72	
	2	6.977	7.625	143	136	
	3	7.888	7.888	165	128	
	4	10.068	10.068	172	100	<1.3
	5	8.386	8.386	117	92	
	6	7.490	7.490	122	140	
	7	6.686	6.686	128	96	
	8	6.635	6.635	171	116	
	9	6.539	6.539	162	144	
	10	5.950	5.950	220	188	
	11	5.883	5.883	164	204	
	12	5.667	5.667	191	180	
	13	5.990	5.990	211	236	
	14	6.11	6.11	176	172	
	15	10.600	10.600	115	124	
	16	9.825	9.825	102	88	
	17	8.472	8.472	105	124	
	18	7.246	7.246	135	104	
	19	8.327	8.327	175	164	
	20	11.744	11.744	87	108	
	21	9.259	9.259	100	68	
	22	8.042	8.042	74	36	
	23	7.647	7.647	149	136	
	24	7.203	7.203	184	164	
	25	6.542	6.542	174	160	
	26	7.106	7.106	163	192	
	27	12.227	12.227	101	132	
	28	9.089	9.089	109	76	
	29	7.958	7.958	122	108	
	30	9.531	9.531	165	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	7.904933333	7.977633333	143.566666667	130.666666667	0
	Daily Max	12.227	12.227	220	236	<1.3
	Daily Min	5.667	5.667	74	36	<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	N	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					5
	2					5
	3					5
	4	3.2	40.3	<4.3	3.1	4
	5					4
	6					8
	7					8
	8					11
	9					6
	10					9
	11					7
	12					7
	13					6
	14					6
	15					5
	16					6
	17					5
	18					5
	19					8
	20					7
	21					6
	22					6
	23					6
	24					6
	25					7
	26					4
	27					5
	28					5
	29					4
	30					5
	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	3.2		40.3		0		3.1		6.033333333	
	Daily Max	3.2		40.3		<4.3		3.1		11	
	Daily Min	3.2		40.3		<4.3		3.1		4	
	Week 1 Avg									5.571428571	
	Week 2 Avg									7.428571429	
	Week 3 Avg									6	
	Week 4 Avg									5.571428571	
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		N	
	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		8	7.7	0.14	
	2		8	7.7	0.16	0.2
	3		7	7.5	0.09	0.1
	4	59.4	9	7.6	0.13	0.2
	5		5	7.8	0.12	0.2
	6		12	7.4	0.26	0.2
	7		14	7.9	0.19	
	8		12	7.8	0.26	
	9		9	7.8	0.20	0.2
	10		12	7.4	0.27	0.3
	11		12	7.4	0.21	0.2
	12		9	7.7	0.21	0.2
	13		6	7.4	0.22	0.1
	14		8	7.8	0.21	
	15		10	7.9	0.17	
	16		6	7.8	0.16	0.2
	17		7	7.2	0.17	0.1
	18		11	7.2	0.18	0.2
	19		12	7.6	0.25	0.1
	20		13	7.4	0.21	0.1
	21		7	7.5	0.22	
	22		6	7.5	0.20	
	23		14	7.5	0.26	0.1
	24		11	8.0	0.24	0.2
	25		13	7.6	0.54	0.2
	26		11	7.1	0.21	0.1
	27		9	7.4	0.19	0.2
	28		13	7.3	0.21	
	29		11	7.7	0.17	
	30		6	7.7	0.19	0.2
	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	59.4	9.7	7.576666667	0.208	0.171428571			
	Daily Max	59.4	14	8	0.54	0.3			
	Daily Min	59.4	5	7.1	0.09	0.1			
	Week 1 Avg		9			0.18			
	Week 2 Avg		9.714285714			0.2			
	Week 3 Avg		9.428571429			0.14			
	Week 4 Avg		11			0.16			
Limit(s) in Effect	Monthly Avg		30	0	1	0	11	0	
	Daily Max				9	0		17	0
	Daily Min				6	0			
	Weekly Avg		45	0				29	0
QA/QC Information	LOD	9.3			0.026		0.045		
	LOQ	40			0.087		0.15		
	QC Exceedance	N	N	N	N	N	N	N	
	Lab Certification	405132750	445005220		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	<1.3	<2.5	7.9	<4.3	3.1
	5					
	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	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	7.9	0	3.1
	Daily Max	<1.3	<2.5	7.9	<4.3	3.1
	Daily Min	<1.3	<2.5	7.9	<4.3	3.1
	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		1.533
	2		0.648
	3		0.00
	4	13.7	0.00
	5		0.00
	6		0.00
	7		0.00
	8		0.00
	9		0.00
	10		0.00
	11		0.00
	12		0.00
	13		0.00
	14		0.00
	15		0.00
	16		0.00
	17		0.00
	18		0.00
	19		0.00
	20		0.00
	21		0.00
	22		0.00
	23		0.00
	24		0.00
	25		0.00
	26		0.00
	27		0.00
	28		0.00
	29		0.00
	30		0.00
	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	13.7	0.0727
	Daily Max	13.7	1.533
	Daily Min	13.7	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	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

Submitted by K3vin1 on 05/08/2017 10:44:44 AM