

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: HEART OF THE VALLEY MSD WW TRTMNT FAC
 Contact Address: 801 Thilmany Road
 Kaukauna, WI 54130
 Facility Contact: Glen Geurts, District Director
 Phone Number: (920) 766-5731
 Reporting Period: 02/01/2017 - 02/28/2017
 Form Due Date: 03/21/2017
 Permit Number: 0031232

Date Received:
 DOC: 374170
 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	2.801	5.083	221	212	
	2	2.679	4.818	193	160	
	3	2.509	4.764	165	108	
	4	2.345	4.787	183	136	
	5	2.419	4.861	235	160	
	6	3.927	4.645	227	272	
	7	3.393	4.641	219	164	<1.3
	8	1.762	4.356	184	276	
	9	1.859	4.454	228	228	
	10	1.807	4.400	209	216	
	11	1.637	4.200	240	208	
	12	3.272	4.841	238	200	
	13	2.708	4.646	223	168	
	14	2.491	4.928	190	184	
	15	2.010	4.554	265	192	
	16	1.641	4.357	231	232	
	17	2.762	5.145	151	60	
	18	4.892	5.667	171	112	
	19	5.665	6.254	188	156	
	20	4.855	6.971	161	128	
	21	5.068	7.693	130	180	
	22	5.537	7.135	140	144	
	23	3.901	6.617	156	92	
	24	3.665	6.380	123	92	
	25	3.411	6.020	175	164	
	26	4.425	6.371	205	188	
	27	4.392	6.513	176	144	
	28	5.877	9.290	125	104	
	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	3.346785714	5.513964286	191.142857143	167.142857143	0
	Daily Max	5.877	9.29	265	276	<1.3
	Daily Min	1.637	4.2	123	60	<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					10
	2					4
	3					3
	4					4
	5					5
	6					7
	7	6	62.6	<4.3	5.9	6
	8					6
	9					5
	10					5
	11					5
	12					4
	13					5
	14					5
	15					5
	16					5
	17					6
	18					5
	19					5
	20					5
	21					4
	22					4
	23					4
	24					3
	25					3
	26					4
	27					17
	28					6
	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	6	62.6	0	5.9	5.357142857	
	Daily Max	6	62.6	<4.3	5.9	17	
	Daily Min	6	62.6	<4.3	5.9	3	
	Week 1 Avg					5.571428571	
	Week 2 Avg					5	
	Week 3 Avg					5	
	Week 4 Avg					5.857142857	
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	7.9	0.27	0.7
	2		10	8.0	0.24	0.1
	3		6	7.9	0.17	
	4		9	7.5	0.20	
	5		7	7.4	0.21	0.3
	6		10	7.4	0.21	0.6
	7	111	10	7.4	0.26	0.3
	8		12	7.8	0.25	0.3
	9		10	7.5	0.28	0.2
	10		11	7.8	0.29	
	11		14	7.8	0.32	
	12		10	7.8	0.28	0.4
	13		7	7.4	0.27	0.2
	14		5	7.4	0.08	0.3
	15		7	7.7	0.28	0.2
	16		10	7.4	0.30	0.2
	17		9	7.5	0.27	
	18		8	7.4	0.22	
	19		9	7.3	0.20	0.2
	20		6	7.8	0.21	0.2
	21		9	7.4	0.18	0.1
	22		7	7.7	0.16	0.1
	23		7	7.4	0.20	0.2
	24		7	7.5	0.13	
	25		8	7.5	0.16	
	26		4	7.4	0.17	0.2
	27		13	7.8	0.27	0.2
	28		5	7.4	0.18	0.1
	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	111	8.75	7.578571429	0.223571429	0.255			
	Daily Max	111	15	8	0.32	0.7			
	Daily Min	111	4	7.3	0.08	0.1			
	Week 1 Avg		9.571428571			0.4			
	Week 2 Avg		9.857142857			0.28			
	Week 3 Avg		8.285714286			0.18			
	Week 4 Avg		7.285714286			0.16			
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	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	<6.3	<4.3	5.7
	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	0	0	5.7
	Daily Max	<1.3	<2.5	<6.3	<4.3	5.7
	Daily Min	<1.3	<2.5	<6.3	<4.3	5.7
	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	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		2.282
	2		2.139
	3		2.255
	4		2.442
	5		2.442
	6		0.718
	7	15.6	1.248
	8		2.594
	9		2.595
	10		2.593
	11		2.563
	12		1.569
	13		1.938
	14		2.437
	15		2.544
	16		2.716
	17		2.383
	18		0.775
	19		0.589
	20		2.116
	21		2.625
	22		1.598
	23		2.716
	24		2.715
	25		2.609
	26		1.946
	27		2.121
	28		3.413
	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	15.6	2.167178571
	Daily Max	15.6	3.413
	Daily Min	15.6	0.589
	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 Blanks Failures: 2-5-17 (0.28)

Submitted by K3vin1 on 03/09/2017 10:28:25 AM