

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: HEART OF VALLEY MSD WW TRTMNT FAC
 Contact Address: 801 Thilmany Rd
 Kaukauna, WI 54130-1642
 Facility Contact: Mark Surwillo, District Manager
 Phone Number: (920) 766-5731
 Reporting Period: 02/01/2015 - 02/28/2015
 Form Due Date: 03/21/2015
 Permit Number: 0031232

Date Received:
 DOC: 338389
 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	1.699	4.335	200	224	
	2	1.337	3.972	210	400	
	3	1.531	4.168	320	232	<1.0
	4	1.322	3.959	254	288	
	5	1.428	3.938	206	248	
	6	1.126	3.619	226	232	
	7	1.023	3.554	341	196	
	8	1.112	3.770	284	188	
	9	0.811	3.476	188	260	
	10	1.093	3.941	230	152	
	11	0.978	3.898	202	228	
	12	1.192	3.620	208	180	
	13	2.914	3.717	258	252	
	14	2.535	3.411	258	228	
	15	2.897	3.675	206	208	
	16	3.158	3.908	237	252	
	17	2.205	3.596	254	224	
	18	2.107	3.614	235	220	
	19	2.415	3.485	225	244	
	20	2.911	3.657	290	280	
	21	3.535	3.575	246	236	
	22	3.757	3.757	222	196	
	23	2.848	3.520	240	236	
	24	2.811	3.613	239	232	
	25	2.752	3.561	262	248	
	26	2.658	3.464	238	188	
	27	2.861	3.667	243	264	
	28	2.642	3.448	247	272	
	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	2.130642857	3.711357143	241.75	236	0
	Daily Max	3.757	4.335	341	400	<1
	Daily Min	0.811	3.411	188	152	<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
	LOQ					5
	QC Exceedance	N	N	Y	N	N
	Lab Certification			445005220	445005220	405132750

	Sample Point	701	701	701	701	701
	Description	Influent	Influent	Influent	Influent	Influent
	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	6.0	75.2	3.7	5	136
	4					
	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	701		701		701		701		701	
	Description	Influent		Influent		Influent		Influent		Influent	
	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	6		75.2		3.7		5		136	
	Daily Max	6		75.2		3.7		5		136	
	Daily Min	6		75.2		3.7		5		136	
	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	1.5		3.4		1.6		1.3		5.8	
	LOQ	5		10		7.5		10		40	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	405132750		405132750		405132750		405132750		405132750	

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	649	457	377	388	789
	Description	CBOD5	Suspended Solids, Total	pH Field	Phosphorus, Total	Nitrogen, Ammonia (NH3-N) Total
	Units	mg/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	5/WEEK	5/WEEK	5/WEEK	5/WEEK	5/WEEK
Sample Results	Day 1	8	13	7.3	0.31	0.7
	2	10	15	7.8	0.41	0.4
	3	6	11	7.4	0.34	0.4
	4	5	10	7.6	0.35	0.2
	5	8	11	7.8	0.36	0.3
	6	7	13	7.6	0.39	
	7	4	10	7.5	0.35	
	8	8	8	7.5	0.33	0.2
	9	6	10	7.2	0.33	0.1
	10	5	11	7.9	0.36	0.5
	11	5	11	7.4	0.39	0.3
	12	5	10	7.4	0.34	0.3
	13	6	12	7.3	0.44	
	14	5	7	7.3	0.33	
	15	6	13	7.3	0.38	0.4
	16	7	8	7.4	0.34	0.2
	17	9	16	7.3	0.34	0.2
	18	5	11	7.4	0.36	0.2
	19	5	7	7.3	0.48	0.2
	20	5	12	7.4	0.45	
	21	5	10	7.3	0.42	
	22	5	9	7.2	0.35	0.2
	23	8	10	7.5	0.41	0.4
	24	8	9	7.5	0.36	0.6
	25	6	7	7.5	0.51	0.3
	26	5	10	7.4	0.48	0.3
	27	5	10	7.6	0.39	
	28	5	9	7.4	0.36	
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	649		457		377		388		789	
	Description	CBOD5		Suspended Solids, Total		pH Field		Phosphorus, Total		Nitrogen, Ammonia (NH3-N) Total	
	Units	mg/L		mg/L		su		mg/L		mg/L	
Summary Values	Monthly Avg	6.142857143		10.464285714		7.446428571		0.380714286		0.32	
	Daily Max	10		16		7.9		0.51		0.7	
	Daily Min	4		7		7.2		0.31		0.1	
	Week 1 Avg	6.857142857		11.857142857						0.4	
	Week 2 Avg	5.714285714		9.857142857						0.28	
	Week 3 Avg	6		11						0.24	
	Week 4 Avg	6		9.142857143						0.36	
Limit(s) in Effect	Monthly Avg	25	0	30	0			1	0	10	0
	Daily Max					9	0			17	0
	Daily Min					6	0				
	Weekly Avg	40	0	45	0					28	0
QA/QC Information	LOD							0.086		0.057	
	LOQ							0.286		0.189	
	QC Exceedance	Y		N		N		N		Y	
	Lab Certification	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	<1.0	<1.5	8.6	<1.6	6.4
	4					
	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	8.6	0	6.4
	Daily Max	<1	<1.5	8.6	<1.6	6.4
	Daily Min	<1	<1.5	8.6	<1.6	6.4
	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	1.5	3.4	1.6	1.3
	LOQ	5	5	10	7.5	10
	QC Exceedance	N	N	N	N	N
	Lab Certification	405132750	405132750	405132750	405132750	405132750

	Sample Point	001	001	101
	Description	Effluent	Effluent	Effluent Reuse
	Parameter	553	480	671
	Description	Zinc, Total Recoverable	Temperature Maximum	Flow Unregulated
	Units	ug/L	degF	MGD
	Sample Type	24 HR FLOW PROP	MEASURE	CONTINUOUS
	Frequency	MONTHLY	3/WEEK	DAILY
Sample Results	Day 1		52.9	2.636
	2		52.2	2.635
	3	18.3	52.1	2.637
	4		52.1	2.637
	5		52.0	2.510
	6		52.4	2.493
	7		52.9	2.531
	8		52.9	2.658
	9		52.7	2.665
	10		52.6	2.848
	11		52.6	2.920
	12		52.4	2.428
	13		52.4	0.803
	14		52.3	0.876
	15		52.1	0.778
	16		51.9	0.750
	17		52.0	1.391
	18		51.5	1.507
	19		51.2	1.070
	20		51.4	0.746
	21		52.1	0.040
	22		52.1	0.000
	23		51.7	0.672
	24		51.3	0.802
	25		51.6	0.809
	26		51.3	0.806
	27		51.4	0.806
	28		51.6	0.806
	29			
	30			
	31			

	Sample Point	001	001	101
	Description	Effluent	Effluent	Effluent Reuse
	Parameter	553	480	671
	Description	Zinc, Total Recoverable	Temperature Maximum	Flow Unregulated
	Units	ug/L	degF	MGD
Summary Values	Monthly Avg	18.3	52.060714286	1.580714286
	Daily Max	18.3	52.9	2.92
	Daily Min	18.3	51.2	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	5.8		
	LOQ	40		
	QC Exceedance	N	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

Qc Violations for BOD Blanks: Feb 2nd,6th,16th,22nd,27th. Qc violations GGA: Feb 6th,20th,27th. Qc violations for NH3-N: Feb 13th,23th,25th,26th,27th.

Submitted by geurtsgcma on 03/11/2015 8:43:31 AM