

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: 01/01/2015 - 01/31/2015
 Form Due Date: 02/21/2015
 Permit Number: 0031232

Date Received:
 DOC: 338388
 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	5.538	5.538	172	152	
	2	5.649	5.649	177	188	
	3	5.339	5.339	190	152	
	4	4.798	5.381	194	144	
	5	4.384	5.023	152	172	
	6	2.690	4.801	170	176	<1.0
	7	4.000	4.840	172	196	
	8	4.869	4.869	180	172	
	9	4.832	4.832	228	184	
	10	4.821	4.821	207	204	
	11	4.784	4.978	212	316	
	12	2.265	4.410	174	244	
	13	1.948	4.478	227	176	
	14	1.980	4.512	182	200	
	15	2.046	4.574	195	184	
	16	2.826	4.426	199	272	
	17	3.895	4.664	217	216	
	18	3.418	4.695	238	180	
	19	2.294	4.412	209	236	
	20	1.664	4.149	216	236	
	21	1.983	4.469	231	232	
	22	1.803	4.288	220	256	
	23	1.937	4.236	244	216	
	24	2.862	4.461	211	204	
	25	3.014	4.442	222	220	
	26	1.819	4.150	246	244	
	27	1.670	4.180	253	296	
	28	1.878	4.374	242	288	
	29	1.626	4.134	196	280	
	30	1.634	4.154	238	244	
	31	1.586	4.181	244	248	

	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	3.092	4.627741935	208.322580645	217.032258065	0
	Daily Max	5.649	5.649	253	316	<1
	Daily Min	1.586	4.134	152	144	<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					
	4					
	5					
	6	3.8	71.6	2.2	4.5	104
	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	3.8	71.6	2.2	4.5	104
	Daily Max	3.8	71.6	2.2	4.5	104
	Daily Min	3.8	71.6	2.2	4.5	104
	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	4	10	7.2	0.22	0.8
	2	5	16	7.3	0.35	
	3	4	10	7.2	0.23	
	4	12	16	7.2	0.36	1.6
	5	6	13	7.6	0.25	0.2
	6	4	9	7.4	0.25	0.4
	7	5	11	7.6	0.26	0.2
	8	6	9	7.5	0.40	0.4
	9	6	11	7.5	0.32	
	10	5	8	7.5	0.23	
	11	5	12	7.2	0.27	0.4
	12	7	8	7.4	0.33	0.2
	13	6	8	7.4	0.30	0.3
	14	7	9	7.3	0.29	0.2
	15	4	10	7.4	0.34	0.2
	16	6	12	7.2	0.35	
	17	6	13	7.6	0.32	
	18	5	9	7.6	0.23	0.3
	19	8	8	7.5	0.36	0.5
	20	6	15	7.6	0.47	0.9
	21	8	13	7.3	0.39	0.7
	22	6	14	8.0	0.44	1.8
	23	10	13	7.4	0.31	
	24	5	11	7.4	0.45	
	25	7	9	7.4	0.37	0.3
	26	8	13	7.7	0.36	0.4
	27	8	12	7.2	0.36	0.5
	28	7	8	7.6	0.41	0.3
	29	5	11	7.2	0.36	1.0
	30	4	11	7.0	0.35	
	31	5	12	7.3	0.26	

	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	6.129032258		11.096774194		7.409677419		0.328709677		0.552380952	
	Daily Max	12		16		8		0.47		1.8	
	Daily Min	4		8		7		0.22		0.2	
	Week 1 Avg	5.714285714		12.142857143						0.64	
	Week 2 Avg	6		9.285714286						0.3	
	Week 3 Avg	6.142857143		11.428571429						0.52	
	Week 4 Avg	7.285714286		11.428571429						0.66	
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							0.017		0.092	
	LOQ							0.116		0.306	
	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					
	4					
	5					
	6	<1.0	<1.5	6.3	3.3	3.8
	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	6.3	3.3	3.8
	Daily Max	<1	<1.5	6.3	3.3	3.8
	Daily Min	<1	<1.5	6.3	3.3	3.8
	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		53.2	0.000
	2		53.6	0.000
	3		54.0	0.000
	4		53.8	0.583
	5		53.2	0.639
	6	12.8	52.9	2.111
	7		52.7	0.840
	8		52.4	0.000
	9		52.5	0.000
	10		53.1	0.000
	11		53.6	0.194
	12		53.9	2.145
	13		53.2	2.530
	14		53.1	2.532
	15		53.5	2.528
	16		53.7	1.600
	17		53.8	0.769
	18		54.0	1.277
	19		53.8	2.118
	20		53.7	2.485
	21		53.5	2.486
	22		53.7	2.485
	23		54.0	2.299
	24		53.8	1.599
	25		53.9	1.428
	26		53.7	2.331
	27		53.5	2.510
	28		53.6	2.496
	29		53.4	2.508
	30		53.0	2.520
	31		53.1	2.595

	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	12.8	53.448387097	1.535741935
	Daily Max	12.8	54	2.595
	Daily Min	12.8	52.4	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 Violation for B.O.D. Blank Depletion exceeding LCS Range on January 8th. QC Violation for GGA exceeding Control Limits on January 30th. QC Violations for Ammonia for exceeding Control Limits on January 12th and 30th.

Submitted by geurtsgcma on 02/06/2015 9:25:09 AM