

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: 04/01/2015 - 04/30/2015
 Form Due Date: 05/21/2015
 Permit Number: 0031232

Date Received:
 DOC: 343533
 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	1.921	5.012	254	272	
	2	1.802	4.856	201	224	
	3	3.274	4.824	216	220	
	4	2.533	5.259	208	212	
	5	2.739	5.717	174	208	
	6	2.858	5.448	289	344	
	7	3.487	5.861	243	144	<1.0
	8	4.069	6.439	190	228	
	9	8.436	11.230	90	168	
	10	8.355	10.838	111	112	
	11	6.039	8.512	114	164	
	12	6.225	7.767	177	112	
	13	4.040	6.985	102	156	
	14	3.413	6.385	176	148	
	15	3.334	6.304	150	192	
	16	3.048	6.017	148	172	
	17	2.730	5.697	159	156	
	18	2.947	5.535	188	192	
	19	4.314	6.106	176	164	
	20	4.419	6.760	110	152	
	21	2.691	6.046	181	172	
	22	3.048	5.538	168	140	
	23	2.349	5.176	137	144	
	24	2.459	5.146	189	204	
	25	2.054	5.041	221	152	
	26	2.264	5.238	183	196	
	27	1.840	4.831	178	180	
	28	1.731	4.713	163	136	
	29	1.907	4.895	202	268	
	30	2.280	4.735	161	180	
	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	3.4202	6.097033333	175.3	183.733333333	0
	Daily Max	8.436	11.23	289	344	<1
	Daily Min	1.731	4.713	90	112	<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					0.48
	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					
	7	7.4	55.3	<1.6	4.2	89.8
	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	7.4	55.3	0	4.2	89.8
	Daily Max	7.4	55.3	<1.6	4.2	89.8
	Daily Min	7.4	55.3	<1.6	4.2	89.8
	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	1.4	1.3	2.7	0.61	2.4
	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	5	9	7.8	0.30	0.2
	2	4	10	7.7	0.34	0.4
	3	4	8	7.5	0.29	
	4	4	9	7.2	0.29	
	5	3	7	7.2	0.24	0.1
	6	5	8	7.6	0.22	0.2
	7	7	11	7.6	0.33	0.3
	8	6	8	8.1	0.25	0.3
	9	10	20	7.5	0.35	0.2
	10	9	14	7.7	0.34	
	11	5	12	7.5	0.23	
	12	4	7	7.5	0.18	0.2
	13	4	10	7.5	0.54	0.2
	14	4	4	7.4	0.29	0.2
	15	6	11	7.5	0.24	0.2
	16	3	8	7.5	0.21	0.2
	17	5	10	7.3	0.28	
	18	4	11	7.3	0.29	
	19	5	8	7.2	0.27	0.3
	20	6	11	7.9	0.27	0.3
	21	6	12	7.4	0.29	0.2
	22	8	6	7.6	0.31	0.2
	23	7	8	7.4	0.28	0.4
	24	8	12	7.8	0.40	
	25	7	6	7.4	0.35	
	26	6	6	7.5	0.39	0.4
	27	6	7	7.5	0.28	0.3
	28	6	9	7.7	0.33	0.3
	29	6	7	7.7	0.32	0.4
	30	6	7	7.7	0.35	0.4
	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	5.6333333333		9.2		7.54		0.301666667		0.268181818	
	Daily Max	10		20		8.1		0.54		0.4	
	Daily Min	3		4		7.2		0.18		0.1	
	Week 1 Avg	4.571428571		8.857142857						0.24	
	Week 2 Avg	6		10.714285714						0.22	
	Week 3 Avg	5		10.142857143						0.24	
	Week 4 Avg	6.857142857		7.714285714						0.32	
Limit(s) in Effect	Monthly Avg	25	0	30	0			1	0	11	0
	Daily Max					9	0			17	0
	Daily Min					6	0				
	Weekly Avg	40	0	45	0					29	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					
	4					
	5					
	6					
	7	<1.0	2.5	5.9	<1.6	4.4
	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	2.5	5.9	0	4.4
	Daily Max	<1	2.5	5.9	<1.6	4.4
	Daily Min	<1	2.5	5.9	<1.6	4.4
	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	6.8
	LOQ	5	5	10	7.5	20
	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		52.0	3.091
	2		52.2	3.054
	3		52.2	1.550
	4		51.9	2.726
	5		51.8	2.978
	6		51.4	2.590
	7	22.9	51.3	2.374
	8		51.6	2.370
	9		51.0	2.794
	10		49.1	2.483
	11		50.0	2.473
	12		50.6	1.542
	13		50.7	2.945
	14		51.2	2.972
	15		51.4	2.970
	16		52.1	2.969
	17		52.5	2.967
	18		52.4	2.588
	19		52.5	1.792
	20		52.3	2.341
	21		51.6	3.355
	22		51.6	2.490
	23		52.3	2.827
	24		52.5	2.687
	25		52.7	2.987
	26		53.0	2.974
	27		53.3	2.991
	28		53.8	2.982
	29		54.1	2.988
	30		54.2	2.455
	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	22.9	51.976666667	2.676833333
	Daily Max	22.9	54.2	3.355
	Daily Min	22.9	49.1	1.542
	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 for BOD Blank failed,-0.26 on 4/4, QC for BOD Blank failed,0.26 on 4/7, QC for BOD Blank failed ,1.0 on 4/8, QC for BOD Blank failed,0.36 on 4/20. QC for BOD Blank failed,-0.33 on 4/28.
LCS(0.4) for NH3-N failed,0.45 on 4/1, LCS(0.4) for NH3-N failed,0.45 on 4/24,LCS(0.4) failed,0.45 on 4/27.

Submitted by K3vin1 on 05/11/2015 10:41:47 AM