

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: HEART OF 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: 02/01/2016 - 02/29/2016
 Form Due Date: 03/21/2016
 Permit Number: 0031232

Date Received:
 DOC: 356552
 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	2.118	4.650	195	212	
	2	4.056	4.688	302	228	<1.0
	3	1.360	4.825	212	188	
	4	2.636	4.748	216	168	
	5	1.177	4.495	230	220	
	6	1.406	4.436	233	184	
	7	3.498	5.352	212	144	
	8	2.311	4.987	267	216	
	9	2.061	4.740	188	184	
	10	1.999	4.673	231	208	
	11	1.974	4.642	233	160	
	12	2.177	4.505	284	204	
	13	2.053	4.292	226	200	
	14	2.333	4.583	190	196	
	15	1.175	4.356	210	232	
	16	2.062	4.207	198	188	
	17	2.167	4.306	226	192	
	18	1.552	4.401	229	188	
	19	3.261	6.304	227	156	
	20	7.165	9.730	119	160	
	21	5.738	8.287	120	124	
	22	4.437	6.985	128	116	
	23	3.827	6.374	175	156	
	24	3.599	6.149	162	108	
	25	3.408	5.959	130	120	
	26	3.384	5.909	161	136	
	27	4.496	6.750	193	84	
	28	6.000	8.247	144	132	
	29	4.304	6.650	121	104	
	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	3.025310345	5.525172414	198.689655172	169.24137931	0
	Daily Max	7.165	9.73	302	232	<1
	Daily Min	1.175	4.207	119	84	<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	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	6.8	75.2	3	6.7	8
	3					4
	4					10
	5					5
	6					7
	7					6
	8					9
	9					7
	10					8
	11					5
	12					7
	13					6
	14					4
	15					6
	16					3
	17					8
	18					6
	19					6
	20					6
	21					5
	22					23
	23					5
	24					7
	25					5
	26					3
	27					6
	28					6
	29					14
	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	6.8	75.2	3	6.7	6.896551724	
	Daily Max	6.8	75.2	3	6.7	23	
	Daily Min	6.8	75.2	3	6.7	3	
	Week 1 Avg					6.428571429	
	Week 2 Avg					6.571428571	
	Week 3 Avg					5.714285714	
	Week 4 Avg					7.857142857	
Limit(s) in Effect	Monthly Avg					25	0
	Daily Max						
	Daily Min						
	Weekly Avg					40	0
QA/QC Information	LOD	1.5	3.4	1.6	1.3		
	LOQ	5	10	7.5	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		11	7.7	0.33	0.1
	2	131	12	7.6	0.51	0.4
	3		7	7.5	0.36	0.4
	4		14	7.3	0.43	0.6
	5		13	7.6	0.46	
	6		16	7.4	0.46	
	7		15	7.5	0.44	0.3
	8		12	7.9	0.44	0.2
	9		18	7.6	0.69	0.2
	10		13	7.6	0.34	0.1
	11		12	7.5	0.44	0.1
	12		14	7.9	0.26	
	13		14	7.4	0.32	
	14		10	7.2	0.37	0.2
	15		10	7.7	0.36	0.1
	16		11	7.4	0.50	0.1
	17		10	7.4	0.36	0.3
	18		15	7.4	0.35	0.3
	19		12	8.0	0.34	
	20		20	7.6	0.38	
	21		24	7.7	0.69	0.1
	22		38	7.7	0.79	0.1
	23		10	7.2	0.24	0.1
	24		6	7.3	0.19	0.1
	25		8	7.4	0.18	0.1
	26		8	7.4	0.24	
	27		13	7.2	0.30	
	28		20	7.2	0.40	0.1
	29		21	7.3	0.48	0.1
	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	131	14.034482759	7.503448276	0.401724138	0.195238095			
	Daily Max	131	38	8	0.79	0.6			
	Daily Min	131	6	7.2	0.18	0.1			
	Week 1 Avg		12.571428571			0.36			
	Week 2 Avg		13.285714286			0.16			
	Week 3 Avg		14.571428571			0.18			
	Week 4 Avg		14.714285714			0.1			
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	5.8			0.015		0.052		
	LOQ	40			0.051		0.172		
	QC Exceedance	N	N	N	Y		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	<1.0	1.6	7.5	<1.6	4.6
	3					
	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	1.6	7.5	0	4.6
	Daily Max	<1	1.6	7.5	<1.6	4.6
	Daily Min	<1	1.6	7.5	<1.6	4.6
	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	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		2.532
	2	22.5	0.632
	3		3.465
	4		2.112
	5		3.318
	6		3.030
	7		1.854
	8		2.676
	9		2.679
	10		2.674
	11		2.668
	12		2.328
	13		2.239
	14		2.250
	15		3.181
	16		2.145
	17		2.139
	18		2.849
	19		3.043
	20		2.565
	21		2.549
	22		2.548
	23		2.547
	24		2.550
	25		2.551
	26		2.525
	27		2.254
	28		2.247
	29		2.346
	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	22.5	2.499862069
	Daily Max	22.5	3.465
	Daily Min	22.5	0.632
	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
	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

2/2 (Blank failed at 0.25) 2/8 (Blank failed at 0.46) 2/10 (Blank failed at 0.59), 2/18 (GGA failed at 139mg/l) ,
2/18 TP (LCS failed 0.87) TRUE VALUE = 1.0mg/l

Submitted by K3vin1 on 03/10/2016 8:42:40 AM