

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: 12/01/2016 - 12/31/2016
 Form Due Date: 01/21/2017
 Permit Number: 0031232

Date Received:
 DOC: 370098
 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	3.111	5.642	175	196	
	2	2.902	5.433	143	92	
	3	2.917	5.449	176	144	
	4	3.038	5.572	199	172	
	5	2.963	5.500	182	168	
	6	3.063	5.600	171	144	<1.3
	7	2.889	5.300	246	176	
	8	3.012	5.091	181	176	
	9	2.929	5.009	192	200	
	10	2.718	4.800	205	212	
	11	2.739	4.914	219	196	
	12	1.578	4.554	220	272	
	13	1.224	4.189	240	208	
	14	1.580	4.190	218	184	
	15	2.035	4.274	237	216	
	16	1.983	4.182	219	176	
	17	1.983	4.251	332	240	
	18	2.170	4.130	280	248	
	19	2.298	4.106	317	232	
	20	2.133	4.330	237	264	
	21	2.553	4.251	254	220	
	22	2.070	4.237	200	200	
	23	2.839	4.814	297	264	
	24	2.475	4.219	290	336	
	25	5.110	5.554	255	268	
	26	10.714	10.714	109	100	
	27	7.267	7.267	208	128	
	28	6.508	6.508	164	164	
	29	5.750	5.750	188	156	
	30	5.553	5.553	238	192	
	31	5.210	5.210	214	184	

	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	3.397225806	5.180419355	219.548387097	197.677419355	0
	Daily Max	10.714	10.714	332	336	<1.3
	Daily Min	1.224	4.106	109	92	<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
	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	<1.3	60.9	<4.3	4.9	90.9
	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	0	60.9	0	4.9	90.9
	Daily Max	<1.3	60.9	<4.3	4.9	90.9
	Daily Min	<1.3	60.9	<4.3	4.9	90.9
	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	6.3	4.3	2.6	9.3
	LOQ	5	20	13	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	11	22	7.8	0.41	1.0
	2	6	16	7.8	0.30	
	3	5	19	7.7	0.35	
	4	7	18	7.5	0.46	1.2
	5	6	20	7.8	0.43	0.9
	6	8	16	7.8	0.40	1.3
	7	5	15	7.8	0.35	0.9
	8	5	14	7.7	0.38	0.4
	9	6	19	7.7	0.46	
	10	4	19	8.0	0.39	
	11	7	22	7.9	0.53	0.6
	12	8	22	7.5	0.49	0.4
	13	7	23	7.8	0.57	0.7
	14	7	19	7.8	0.51	0.8
	15	7	18	7.7	0.53	0.8
	16	7	22	7.7	0.53	
	17	7	20	7.4	0.50	
	18	7	20	7.4	0.56	1.2
	19	8	24	7.4	0.71	0.3
	20	7	24	7.6	0.60	0.4
	21	8	24	7.9	0.69	0.4
	22	7	26	7.9	0.56	0.5
	23	7	32	7.4	0.62	
	24	8	26	7.4	0.58	
	25	7	19	7.4	0.38	2.1
	26	8	31	7.3	0.58	3.0
	27	17	34	7.9	0.69	0.5
	28	8	26	7.6	0.52	0.3
	29	7	22	7.8	0.47	0.3
	30	5	16	7.8	0.39	
	31	5	14	7.8	0.33	

	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	7.161290323		21.35483871		7.677419355		0.492580645		0.857142857	
	Daily Max	17		34		8		0.71		3	
	Daily Min	4		14		7.3		0.3		0.3	
	Week 1 Avg	6.857142857		18							
	Week 2 Avg	6.285714286		19.714285714							
	Week 3 Avg	7.285714286		21.714285714							
	Week 4 Avg	8.857142857		27.714285714							
Limit(s) in Effect	Monthly Avg	25	0	30	0			1	0	18	0
	Daily Max					9	0			17	0
	Daily Min					6	0				
	Weekly Avg	40	0	45	0						
QA/QC Information	LOD							0.015		0.052	
	LOQ							0.051		0.172	
	QC Exceedance	N		N		N		N		N	
	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	<1.3	<2.5	13.4	<4.3	5.4
	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		13.4		0		5.4	
	Daily Max	<1.3		<2.5		13.4		<4.3		5.4	
	Daily Min	<1.3		<2.5		13.4		<4.3		5.4	
	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	1.3		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		2.531
	2		2.531
	3		2.532
	4		2.534
	5		2.537
	6	25	2.537
	7		2.411
	8		2.079
	9		2.080
	10		2.082
	11		2.175
	12		2.976
	13		2.965
	14		2.610
	15		2.239
	16		2.199
	17		2.268
	18		1.960
	19		1.808
	20		2.197
	21		1.698
	22		2.167
	23		1.975
	24		1.744
	25		0.444
	26		0.000
	27		0.000
	28		0.000
	29		0.000
	30		0.000
	31		0.000

	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	25	1.783193548
	Daily Max	25	2.976
	Daily Min	25	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	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

Blank Failures: 12/4 (0.4ppm),12/20(-0.28ppm),12/25(0.3ppm),
GGA Failures: 12/30 (241ppm)

Submitted by K3vin1 on 01/09/2017 11:49:50 AM