

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: HEART OF THE 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: 01/01/2017 - 01/31/2017
 Form Due Date: 02/21/2017
 Permit Number: 0031232

Date Received:
 DOC: 374169
 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	5.000	5.000	226	200	
	2	5.207	5.207	211	160	
	3	3.171	5.200	207	160	<1.3
	4	2.456	4.727	219	192	
	5	2.154	4.425	238	208	
	6	1.913	4.340	253	228	
	7	1.899	4.401	271	188	
	8	1.925	4.499	254	224	
	9	2.052	4.381	245	196	
	10	3.641	5.993	220	192	
	11	2.632	5.047	204	164	
	12	2.521	4.675	237	184	
	13	2.247	4.369	215	180	
	14	1.982	4.377	250	256	
	15	2.135	4.559	232	196	
	16	2.966	5.225	222	276	
	17	4.501	6.775	205	160	
	18	4.111	6.400	180	128	
	19	3.413	5.900	186	160	
	20	4.849	7.600	173	148	
	21	5.550	8.300	139	128	
	22	6.653	8.866	291	96	
	23	5.938	8.358	119	104	
	24	5.424	7.870	113	88	
	25	6.367	8.814	129	96	
	26	5.591	8.037	120	108	
	27	4.596	7.042	141	96	
	28	4.190	6.271	103	64	
	29	5.944	6.105	217	156	
	30	2.951	5.413	183	156	
	31	2.791	5.317	195	164	

	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	3.766774194	5.919129032	199.935483871	163.096774194	0
	Daily Max	6.653	8.866	291	276	<1.3
	Daily Min	1.899	4.34	103	64	<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					1.3
	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
	3	6.2	61.1	<4.3	5.5	5
	4					9
	5					9
	6					5
	7					4
	8					6
	9					6
	10					4
	11					4
	12					5
	13					4
	14					4
	15					5
	16					5
	17					5
	18					4
	19					4
	20					5
	21					5
	22					5
	23					4
	24					4
	25					4
	26					3
	27					5
	28					4
	29					4
	30					5
	31					5

	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	6.2		61.1		0		5.5		4.903225806	
	Daily Max	6.2		61.1		<4.3		5.5		9	
	Daily Min	6.2		61.1		<4.3		5.5		3	
	Week 1 Avg									6.142857143	
	Week 2 Avg									4.714285714	
	Week 3 Avg									4.714285714	
	Week 4 Avg									4.142857143	
Limit(s) in Effect	Monthly Avg									25	0
	Daily Max										
	Daily Min										
	Weekly Avg									40	0
QA/QC Information	LOD	2.5		6.3		4.3		2.6			
	LOQ	10		20		13		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		16	7.8	0.33	0.4
	2		14	7.8	0.30	0.4
	3	93.8	12	7.8	0.41	0.3
	4		12	7.7	0.43	0.4
	5		16	7.7	0.37	0.2
	6		11	7.6	0.34	
	7		11	7.5	0.30	
	8		17	7.3	0.34	0.3
	9		13	7.8	0.32	0.3
	10		14	7.6	0.36	0.3
	11		12	7.8	0.38	0.2
	12		13	7.6	0.36	0.2
	13		11	7.4	0.25	
	14		12	7.4	0.22	
	15		10	7.4	0.39	0.3
	16		11	7.8	0.34	0.5
	17		9	7.5	0.27	0.5
	18		11	7.6	0.26	0.3
	19		9	7.4	0.24	0.2
	20		10	7.8	0.24	
	21		8	7.8	0.22	
	22		7	7.8	0.17	0.3
	23		7	7.7	0.21	0.2
	24		7	7.2	0.18	0.2
	25		6	7.4	0.16	0.2
	26		7	7.2	0.15	0.1
	27		7	7.3	0.20	
	28		7	7.3	0.18	
	29		9	7.3	0.22	0.2
	30		10	8.0	0.26	0.2
	31		6	7.4	0.19	0.2

	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	93.8	10.483870968	7.570967742	0.277096774	0.27826087			
	Daily Max	93.8	17	8	0.43	0.5			
	Daily Min	93.8	6	7.2	0.15	0.1			
	Week 1 Avg		13.142857143			0.34			
	Week 2 Avg		13.142857143			0.26			
	Week 3 Avg		9.714285714			0.36			
	Week 4 Avg		6.857142857			0.2			
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	9.3			0.026		0.045		
	LOQ	40			0.087		0.15		
	QC Exceedance	N	N	N	N	N	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					
	3	<1.3	<2.5	6.3	<4.3	6.2
	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	6.3	0	6.2
	Daily Max	<1.3	<2.5	6.3	<4.3	6.2
	Daily Min	<1.3	<2.5	6.3	<4.3	6.2
	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		0.000
	2		0.000
	3	19.7	2.029
	4		2.271
	5		2.271
	6		2.427
	7		2.502
	8		2.574
	9		2.329
	10		2.352
	11		2.415
	12		2.154
	13		2.122
	14		2.395
	15		2.424
	16		2.259
	17		2.274
	18		2.289
	19		2.487
	20		2.751
	21		2.750
	22		2.213
	23		2.420
	24		2.446
	25		2.447
	26		2.446
	27		2.446
	28		2.081
	29		0.161
	30		2.462
	31		2.526

	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	19.7	2.152354839
	Daily Max	19.7	2.751
	Daily Min	19.7	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	4.3	
	LOQ	13	
	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

BOD:
GGA Failures: None
Blank Failures: 1-3(0.29ppm)

Submitted by K3vin1 on 02/06/2017 1:39:52 PM