

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: HEART OF THE VALLEY METRO SEWERAGE DISTRICT
 Contact Address: 801 Thilmany Rd
 Kaukauna, WI 54130
 Facility Contact: Brian Helming, District Director
 Phone Number: 920-766-5731
 Reporting Period: 01/01/2018 - 01/31/2018
 Form Due Date: 02/21/2018
 Permit Number: 0031232

Date Received:
 DOC: 393932
 FIN: 6375
 FID: 445005220
 Region: Northeast Region
 Permit Drafter: Richard P Sachs
 Reviewer: Barti Oumarou
 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	2.370	3.804	410	360	
	2	1.327	3.681	356	280	<1.3
	3	1.079	3.459	306	296	
	4	1.399	3.620	340	244	
	5	1.570	3.404	380	224	
	6	1.746	3.601	299	360	
	7	1.861	3.785	357	368	
	8	3.796	3.860	351	336	
	9	1.358	3.950	279	212	
	10	2.446	3.886	344	304	
	11	3.354	4.794	316	368	
	12	2.445	4.095	278	304	
	13	1.813	3.685	419	240	
	14	2.054	3.926	224	192	
	15	1.989	3.861	268	216	
	16	2.011	3.595	263	236	
	17	2.116	3.652	284	392	
	18	2.233	3.817	239	276	
	19	1.594	3.682	207	96	
	20	0.765	3.667	170	112	
	21	1.394	3.825	245	268	
	22	3.841	5.891	196	220	
	23	1.727	4.129	210	220	
	24	1.088	3.700	266	384	
	25	2.490	3.958	344	352	
	26	2.812	4.468	353	304	
	27	3.933	4.235	275	264	
	28	2.327	4.025	273	252	
	29	0.661	3.626	310	388	
	30	0.912	3.749	234	244	
	31	1.291	3.692	304	304	

	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	1.993612903	3.90716129	293.548387097	277.935483871	0
	Daily Max	3.933	5.891	419	392	<1.3
	Daily Min	0.661	3.404	170	96	<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	N	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					8
	2	5.5	73.6	6.6	6.5	8
	3					6
	4					7
	5					6
	6					6
	7					7
	8					9
	9					7
	10					8
	11					8
	12					6
	13					6
	14					7
	15					6
	16					6
	17					7
	18					6
	19					7
	20					6
	21					5
	22					6
	23					7
	24					6
	25					22
	26					9
	27					5
	28					6
	29					7
	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	5.5	73.6	6.6	6.5	7.096774194	
	Daily Max	5.5	73.6	6.6	6.5	22	
	Daily Min	5.5	73.6	6.6	6.5	5	
	Week 1 Avg					6.857142857	
	Week 2 Avg					7.285714286	
	Week 3 Avg					6.142857143	
	Week 4 Avg					8.714285714	
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	N	
	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		24	7.5	0.58	0.9
	2	169	24	7.3	0.57	1.1
	3		16	7.5	0.56	0.7
	4		22	7.4	0.60	0.9
	5		19	7.2	1.52	
	6		16	7.8	0.50	
	7		20	7.4	0.60	0.6
	8		22	7.7	0.61	1.5
	9		16	7.2	0.56	0.3
	10		22	7.2	0.62	0.3
	11		21	7.3	0.69	0.9
	12		18	7.2	0.59	
	13		20	7.5	0.61	
	14		22	7.5	0.63	0.3
	15		17	7.2	0.51	0.2
	16		20	7.3	0.58	0.2
	17		19	7.5	0.62	0.6
	18		20	7.3	0.54	0.2
	19		18	7.4	0.54	
	20		16	7.2	0.39	
	21		18	7.2	0.51	0.1
	22		14	7.6	0.49	0.7
	23		18	7.2	0.47	0.6
	24		16	7.2	0.44	0.2
	25		15	7.5	0.44	0.2
	26		17	7.5	0.39	
	27		14	7.4	0.41	
	28		12	7.5	0.54	0.2
	29		14	7.8	0.37	0.2
	30		12	7.2	0.35	0.2
	31		14	7.3	0.41	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	169	17.935483871	7.387096774	0.556129032	0.491304348			
	Daily Max	169	24	7.8	1.52	1.5			
	Daily Min	169	12	7.2	0.35	0.1			
	Week 1 Avg		20.142857143			0.84			
	Week 2 Avg		20.142857143			0.66			
	Week 3 Avg		18.285714286			0.26			
	Week 4 Avg		15.142857143			0.38			
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	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	<1.3	<2.5	18.9	<4.3	6.4
	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	0	18.9	0	6.4
	Daily Max	<1.3	<2.5	18.9	<4.3	6.4
	Daily Min	<1.3	<2.5	18.9	<4.3	6.4
	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		1.434
	2	32.2	2.354
	3		2.380
	4		2.221
	5		1.834
	6		1.855
	7		1.924
	8		0.064
	9		2.592
	10		1.440
	11		1.440
	12		1.650
	13		1.872
	14		1.872
	15		1.872
	16		1.584
	17		1.536
	18		1.584
	19		2.088
	20		2.902
	21		2.431
	22		2.050
	23		2.402
	24		2.612
	25		1.468
	26		1.656
	27		0.302
	28		1.698
	29		2.965
	30		2.837
	31		2.401

	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	32.2	1.913548387
	Daily Max	32.2	2.965
	Daily Min	32.2	0.064
	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

LOD (0.026) Exceedance: Total Phosphorus Blank of 0.051
Check Standard Exceedance(1.1): Total Phosphorus 1.259

Submitted by K3vin1 on 02/09/2018 8:40:05 AM