Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: FOND DU LAC WATER POLLUTION CONTROL PLANT
Contact Address: 700 Doty St
Fond Du Lac, WI 54936
Facility Contact: Jeremy Cramer, Wastewater Superintendent
Phone Number: (920) 322-3662
Reporting Period: 10/01/2016 - 10/31/2016
Form Due Date: 11/21/2016
Permit Number: 0023990

Date Received:	
DOC:	370707
FIN:	7290
FID:	420004860
Region:	Northeast Region
Permit Drafter:	Richard P Sachs
Reviewer:	Mark F. Stanek
Office:	Oshkosh

	Sample Point	703	703	703	703	703
	Description	Influent	Influent	Influent	Influent	Influent
	Parameter	211	66	457	87	133
	Description	Flow Rate	BOD5, Total	Suspended Solids, Total	Cadmium, Total Recoverable	Chromium, Total Recoverable
	Units	MGD	mg/L	mg/L	ug/L	ug/L
	Sample Type	CONTINUOUS	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	DAILY	DAILY	DAILY	MONTHLY	MONTHLY
Sample Results	**Day 1**	7.742	263	200	0.4	13.0
	2	8.095	177	180		
	3	8.138	201	208		
	4	7.401	231	183		
	5	7.140	235	181		
	6	6.891	200	216		
	7	6.602	233	195		
	8	6.029	195	185		
	9	5.824	200	189		
	10	6.650	248	241		
	11	6.557	220	237		
	12	7.605	217	252		
	13	7.187	178	187		
	14	6.905	219	231		
	15	6.199	301	213		
	16	6.211	213	251		
	17	6.733	275	197		
	18	6.454	241	172		
	19	6.520	255	241		
	20	6.154	246	180		
	21	6.071	317	232		
	22	5.313	265	216		
	23	5.232	309	257		
	24	5.609	337	252		
	25	5.582	356	242		
	26	17.596	151	186		
	27	12.175	122	98		
	28	9.869	180	131		
	29	8.399	157	100		
	30	8.052	106	175		
	31	8.547	218	168		

	Sample Point	703	703	703	703	703
	Description	Influent	Influent	Influent	Influent	Influent
	Parameter	211	66	457	87	133
	Description	Flow Rate	BOD5, Total	Suspended Solids, Total	Cadmium, Total Recoverable	Chromium, Total Recoverable
	Units	MGD	mg/L	mg/L	ug/L	ug/L
Summary Values	**Monthly Avg**	7.402645161	227.935483871	199.870967742	0.4	13
	Daily Max	17.596	356	257	0.4	13
	Daily Max - Variable					
	Daily Min	5.232	106	98	0.4	13
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Daily Max					
	Daily Max - Variable					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**				0.1	0.4
	LOQ				0.3	1.3
	QC Exceedance	N	Y	N	N	N
	Lab Certification		420004860	420004860	445023150	445023150

	Sample Point	703	703	703	703	003
	Description	Influent	Influent	Influent	Influent	Effluent
	Parameter	147	264	315	553	66
	Description	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	BOD5, Total
	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	DAILY
Sample Results	**Day 1**	98.0	6.7	13.0	109.0	5
	2					5
	3					7
	4					9
	5					5
	6					5
	7					5
	8					5
	9					5
	10					6
	11					5
	12					9
	13					5
	14					5
	15					4
	16					4
	17					6
	18					6
	19					6
	20					5
	21					5
	22					5
	23					7
	24					6
	25					5
	26					7
	27					5
	28					3
	29					3
	30					5
	31					7

	Sample Point	703		703		703		703		003	
	Description	Influent		Influent		Influent		Influent		Effluent	
	Parameter	147		264		315		553		66	
	Description	Copper, Total Recoverable		Lead, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable		BOD5, Total	
	Units	ug/L		ug/L		ug/L		ug/L		mg/L	
Summary Values	**Monthly Avg**	98		6.7		13		109		5.483870968	
	Daily Max	98		6.7		13		109		9	
	Daily Max - Variable										
	Daily Min	98		6.7		13		109		3	
	Week 1 Avg									5.857142857	
	Week 2 Avg									5.714285714	
	Week 3 Avg									5.142857143	
	Week 4 Avg									5.428571429	
Limit(s) in Effect	**Monthly Avg**									30	0
	Daily Max										
	Daily Max - Variable										
	Daily Min										
	Weekly Avg									45	0
QA/QC Information	**LOD**	4		0.8		0.7		10			
	LOQ	13		2.6		2.3		30			
	QC Exceedance	N		N		N		N		Y	
	Lab Certification	445023150		445023150		445023150		445023150		420004860	

	Sample Point	003	003	003	003	003
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	457	377	388	320	789
	Description	Suspended Solids, Total	pH Field	Phosphorus, Total	Nitrogen, Ammonia Variable Limit	Nitrogen, Ammonia (NH3-N) Total
	Units	mg/L	mg/L	mg/L	mg/L	mg/L
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	SEE TABLE	24 HR FLOW PROP
	Frequency	DAILY	DAILY	DAILY	DAILY	DAILY
Sample Results	**Day 1**	6.2	7.4	0.30		<0.02
	2	5.2	7.6	0.63		0.02
	3	5.9	7.4	0.20		0.03
	4	6.1	7.2	0.71		0.60
	5	6.0	7.3	0.67		0.10
	6	5.4	7.2	0.50		0.10
	7	5.1	7.3	0.76		0.04
	8	5.0	7.3	0.77		0.04
	9	4.3	7.3	0.73		0.04
	10	5.7	7.5	0.84		0.04
	11	5.3	7.2	0.48		0.03
	12	7.2	7.4	0.89		0.97
	13	6.0	7.1	0.80		<0.02
	14	4.9	7.2	0.52		0.02
	15	4.7	7.2	1.14		0.02
	16	3.9	7.2	0.19		0.03
	17	3.3	7.4	0.19		0.07
	18	3.7	7.5	0.34		0.04
	19	5.2	7.3	0.76		0.34
	20	5.6	7.1	0.80		0.03
	21	8.3	7.2	0.89		0.06
	22	6.9	7.3	0.91		0.09
	23	6.0	7.3	0.89		0.09
	24	5.1	7.4	0.98		0.09
	25	4.0	7.1	0.21		0.16
	26	8.5	7.2	0.74		0.35
	27	6.3	7.2	0.91		0.11
	28	4.4	7.3	0.80		0.06
	29	4.3	7.3	0.89		0.11
	30	4.9	7.5	0.88		0.06
	31	7.3	7.3	1.14		0.20

	Sample Point	003		003		003		003		003	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	457		377		388		320		789	
	Description	Suspended Solids, Total		pH Field		Phosphorus, Total		Nitrogen, Ammonia Variable Limit		Nitrogen, Ammonia (NH3-N) Total	
	Units	mg/L		mg/L		mg/L		mg/L		mg/L	
Summary Values	**Monthly Avg**	5.506451613		7.296774194		0.692258065				0.127096774	
	Daily Max	8.5		7.6		1.14				0.97	
	Daily Max - Variable									0.97	
	Daily Min	3.3		7.1		0.19				<0.02	
	Week 1 Avg	5.7								0.127142857	
	Week 2 Avg	5.485714286								0.162857143	
	Week 3 Avg	4.957142857								0.084285714	
	Week 4 Avg	5.885714286								0.135714286	
Limit(s) in Effect	**Monthly Avg**	30	0			1	0			13	0
	Daily Max			9	0						
	Daily Max - Variable									0	0
	Daily Min			6	0						
	Weekly Avg	45	0							33	0
QA/QC Information	**LOD**					0.005				0.02	
	LOQ					0.0167				0.08	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	420004860				420004860				420004860	

	Sample Point	003	003	003	003	003
	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**	<0.1000	1.3000	5.5000	<0.8000	3.1000
	2					
	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	003	003	003	003	003
	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	1.3	5.5	0	3.1
	Daily Max	<0.1	1.3	5.5	<0.8	3.1
	Daily Max - Variable					
	Daily Min	<0.1	1.3	5.5	<0.8	3.1
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Daily Max					
	Daily Max - Variable					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**	0.1	0.2	0.8	0.8	0.7
	LOQ	0.33	0.66	2.6	2.6	2.3
	QC Exceedance					
	Lab Certification	445023150	445023150	445023150	445023150	445023150

	Sample Point	003	199
	Description	Effluent	In-Plant Blending
	Parameter	553	211
	Description	Zinc, Total Recoverable	Flow Rate
	Units	ug/L	MGD
	Sample Type	24 HR FLOW PROP	CALCULATED
	Frequency	MONTHLY	DAILY
Sample Results	**Day 1**	<10.0000	0.00
	2		0.00
	3		0.00
	4		0.00
	5		0.00
	6		0.00
	7		0.00
	8		0.00
	9		0.00
	10		0.00
	11		0.00
	12		0.00
	13		0.00
	14		0.00
	15		0.00
	16		0.00
	17		0.00
	18		0.00
	19		0.00
	20		0.00
	21		0.00
	22		0.00
	23		0.00
	24		0.00
	25		0.00
	26		0.00
	27		0.00
	28		0.00
	29		0.00
	30		0.00
	31		0.00

	Sample Point	003		199	
	Description	Effluent		In-Plant Blending	
	Parameter	553		211	
	Description	Zinc, Total Recoverable		Flow Rate	
	Units	ug/L		MGD	
Summary Values	**Monthly Avg**	0		0	
	Daily Max	<10		0	
	Daily Max - Variable				
	Daily Min	<10		0	
	Week 1 Avg				
	Week 2 Avg				
	Week 3 Avg				
	Week 4 Avg				
Limit(s) in Effect	**Monthly Avg**				
	Daily Max				
	Daily Max - Variable				
	Daily Min				
	Weekly Avg				
QA/QC Information	**LOD**	10			
	LOQ	30			
	QC Exceedance	N		N	
	Lab Certification	445023150			

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

1. See permit for variable limit.
2. Variable limit should be left blank when there is no limit to report.
3. Compare table value with discharge value and report exceedances in the box to the right of the zero limit.

General Remarks

Laboratory Quality Control Comments

1. The GGA set up on 10/6 failed at 157.96 mg/L. The influent and effluent samples associated with this GGA were from 10/5. The next GGA set up on 10/13 passed.

Submitted by stevenspointecmar3 on 11/07/2016 1:16:07 PM