

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: FOND DU LAC WTRRF
 Contact Address: 700 Doty St
 Fond du Lac, WI 54935
 Facility Contact: Cody Schoepke, Wastewater Superintendent
 Phone Number: 920-251-9859
 Reporting Period: 02/01/2023 - 02/28/2023
 Form Due Date: 03/21/2023
 Permit Number: 0023990

Date Received:
 DOC: 509668
 FIN: 7290
 FID: 420004860
 Region: Northeast Region
 Permit Drafter: Sarah J Adkins
 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	5.595	376	376	<0.3	5.8
	2	5.664	370	306		
	3	5.351	494	368		
	4	5.275	379	276		
	5	5.371	272	212		
	6	5.762	369	292		
	7	6.017	348	290		
	8	5.812	338	268		
	9	5.904	300	248		
	10	6.275	387	336		
	11	6.150	316	209		
	12	6.353	217	218		
	13	6.390	366	291		
	14	7.832	343	305		
	15	9.566	384	249		
	16	8.389	450	200		
	17	7.931	293	228		
	18	7.702	229	206		
	19	8.033	193	158		
	20	7.977	313	250		
	21	6.999	373	312		
	22	7.130	277	238		
	23	6.617	286	294		
	24	6.969	422	363		
	25	6.888	238	220		
	26	7.017	207	216		
	27	23.277	134	192		
	28	18.246	236	168		
	29					
	30					
	31					

	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	7.731857143	318.214285714	260.321428571	0	5.8
	Daily Max	23.277	494	376	<0.3	5.8
	Daily Max - Variable					
	Daily Min	5.275	134	158	<0.3	5.8
	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				0.3	1.3
	LOQ				1	4.3
	QC Exceedance	N	N	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	211
	Description	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Rate
	Units	ug/L	ug/L	ug/L	ug/L	MGD
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	TOT DAILY
	Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	DAILY
Sample Results	Day 1	60.0	11.0	9.2	119.0	5.595
	2					5.664
	3					5.351
	4					5.275
	5					5.371
	6					5.762
	7					6.017
	8					5.812
	9					5.904
	10					6.275
	11					6.150
	12					6.353
	13					6.390
	14					7.832
	15					9.566
	16					8.389
	17					7.931
	18					7.702
	19					8.033
	20					7.977
	21					6.999
	22					7.130
	23					6.617
	24					6.969
	25					6.888
	26					7.017
	27					23.277
	28					18.246
	29					
	30					
	31					

	Sample Point	703	703	703	703	003
	Description	Influent	Influent	Influent	Influent	Effluent
	Parameter	147	264	315	553	211
	Description	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Rate
	Units	ug/L	ug/L	ug/L	ug/L	MGD
Summary Values	Monthly Avg	60	11	9.2	119	7.731857143
	Daily Max	60	11	9.2	119	23.277
	Daily Max - Variable					
	Daily Min	60	11	9.2	119	5.275
	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	0.8	3.5	1.3	2.2	
	LOQ	2.7	12	4.3	7.3	
	QC Exceedance					
	Lab Certification	445023150	445023150	445023150	445023150	

	Sample Point	003	003	003	003	003
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	66	457	377	388	388
	Description	BOD5, Total	Suspended Solids, Total	pH Field	Phosphorus, Total	Phosphorus, Total
	Units	mg/L	mg/L	mg/L	mg/L	lbs/month
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	GRAB	24 HR FLOW PROP	CALCULATED
	Frequency	DAILY	DAILY	DAILY	DAILY	MONTHLY
Sample Results	Day 1	16	15.6	7.1	0.45	
	2	18	20.0	7.1	0.59	
	3	10	13.4	7.2	0.49	
	4	9	11.0	7.2	0.35	
	5	11	8.0	7.3	0.30	
	6	11	10.0	7.2	0.30	
	7	9	6.7	7.2	0.23	
	8	7	7.8	7.1	0.24	
	9	7	7.0	7.2	0.22	
	10	9	7.8	7.2	0.26	
	11	7	7.0	7.3	0.24	
	12	8	7.0	7.2	0.21	
	13	11	7.2	7.2	0.22	
	14	10	8.5	7.2	0.29	
	15	13	11.6	7.2	0.36	
	16	21	14.4	7.2	0.34	
	17	18	11.8	7.2	0.30	
	18	13	8.4	7.2	0.23	
	19	8	6.8	7.1	0.17	
	20	18	8.0	7.1	0.21	
	21	15	12.6	7.2	0.37	
	22	16	13.8	7.3	0.38	
	23	9	10.2	7.3	0.29	
	24	11	11.2	7.3	0.41	
	25	9	9.2	7.3	0.31	
	26	11	12.6	7.1	0.32	
	27	37	50.8	7.3	1.43	
	28	14	7.5	7.3	0.16	622.04
	29					
	30					
	31					

	Sample Point	003		003		003		003		003	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	66		457		377		388		388	
	Description	BOD5, Total		Suspended Solids, Total		pH Field		Phosphorus, Total		Phosphorus, Total	
	Units	mg/L		mg/L		mg/L		mg/L		lbs/month	
Summary Values	Monthly Avg	12.714285714		11.639285714		7.207142857		0.345357143		622.04	
	Daily Max	37		50.8		7.3		1.43		622.04	
	Daily Max - Variable										
	Daily Min	7		6.7		7.1		0.16		622.04	
	Week 1 Avg	12		12.1							
	Week 2 Avg	8.428571429		7.471428571							
	Week 3 Avg	15.142857143		10.514285714							
	Week 4 Avg	15.285714286		16.471428571							
Limit(s) in Effect	Monthly Avg	30	0	30	0			0.80	0		
	Daily Max					9	0				
	Daily Max - Variable										
	Daily Min					6	0				
	Weekly Avg	45	0	45	0						
QA/QC Information	LOD							0.005			
	LOQ							0.017			
	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	789	320	87	133	147
	Description	Nitrogen, Ammonia (NH3-N) Total	Nitrogen, Ammonia Variable Limit	Cadmium, Total Recoverable	Chromium, Total Recoverable	Copper, Total Recoverable
	Units	mg/L	mg/L	ug/L	ug/L	ug/L
	Sample Type	24 HR FLOW PROP	SEE TABLE	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	DAILY	DAILY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1	1.62	>34	0.4000	2.9000	8.8000
	2	1.33	>34			
	3	1.24	>34			
	4	1.14	>34			
	5	1.02	>34			
	6	0.92	>34			
	7	1.02	>34			
	8	0.51	>34			
	9	0.75	>34			
	10	1.65	>34			
	11	1.34	>34			
	12	0.88	>34			
	13	1.24	>34			
	14	0.97	>34			
	15	1.27	>34			
	16	4.42	>34			
	17	1.95	>34			
	18	1.50	>34			
	19	0.84	>34			
	20	2.73	>34			
	21	2.09	>34			
	22	1.92	>34			
	23	1.62	>34			
	24	1.85	>34			
	25	1.15	>34			
	26	0.86	>34			
	27	3.32	>34			
	28	2.28	>34			
	29					
	30					
	31					

	Sample Point	003		003		003		003			
	Description	Effluent		Effluent		Effluent		Effluent			
	Parameter	789		320		87		133			
	Description	Nitrogen, Ammonia (NH3-N) Total		Nitrogen, Ammonia Variable Limit		Cadmium, Total Recoverable		Chromium, Total Recoverable			
	Units	mg/L		mg/L		ug/L		ug/L			
Summary Values	Monthly Avg	1.551071429		>34		0.4		2.9		8.8	
	Daily Max	4.42		>34		0.4		2.9		8.8	
	Daily Max - Variable	4.42									
	Daily Min	0.51		>34		0.4		2.9		8.8	
	Week 1 Avg	1.184285714									
	Week 2 Avg	1.048571429									
	Week 3 Avg	2.114285714									
	Week 4 Avg	1.857142857									
Limit(s) in Effect	Monthly Avg	22	0								
	Daily Max										
	Daily Max - Variable	0	0								
	Daily Min										
	Weekly Avg	34	0								
QA/QC Information	LOD	0.02				0.3		1.3		0.8	
	LOQ	0.06				1		4.3		2.7	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	420004860				445023150		445023150		445023150	

	Sample Point	003	003	003	199
	Description	Effluent	Effluent	Effluent	In-Plant Blending
	Parameter	264	315	553	211
	Description	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Rate
	Units	ug/L	ug/L	ug/L	MGD
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED
	Frequency	MONTHLY	MONTHLY	MONTHLY	PER OCCURRNCE
Sample Results	Day 1	8.7000	8.3000	31.0000	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				
	30				
	31				

	Sample Point	003		003		003		199	
	Description	Effluent		Effluent		Effluent		In-Plant Blending	
	Parameter	264		315		553		211	
	Description	Lead, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable		Flow Rate	
	Units	ug/L		ug/L		ug/L		MGD	
Summary Values	Monthly Avg	8.7		8.3		31		0	
	Daily Max	8.7		8.3		31		0	
	Daily Max - Variable								
	Daily Min	8.7		8.3		31		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	3.5		1.3		2.2			
	LOQ	12		4.3		7.3			
	QC Exceedance	N		N		N		N	
	Lab Certification	445023150		445023150		445023150			

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

Submitted by 73chev on 03/13/2023 12:39:27 PM