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:	02/01/2025 - 02/28/2025
Form Due Date:	03/21/2025
Permit Number:	0023990

Date Received:	
DOC:	563238
FIN:	7290
FID:	420004860
Region:	Northeast Region
Permit Drafter:	Sarah J Adkins
Reviewer:	Mark F Stanek
Office:	Oshkosh

Sample Point(s) active?

Yes - 703 sample point (Influent)

Yes - 003 sample point (Effluent)

Yes - 199 sample point (In-Plant Blending)

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	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	4.713	546	280	0.14	5.0
	2	4.786	655	260		
	3	4.860	631	328		
	4	4.621	586	370		
	5	4.514	785	404		
	6	4.833	766	308		
	7	4.673	785	376		
	8	4.340	472	356		
	9	4.641	489	268		
	10	4.895	473	328		
	11	4.688	513	336		
	12	4.577	507	368		
	13	4.615	509	500		
	14	4.614	554	280		
	15	4.318	626	292		
	16	4.583	433	264		
	17	4.978	546	616		
	18	4.848	528	354		
	19	4.893	470	336		
	20	4.920	789	252		
	21	4.914	659	356		
	22	4.783	591	288		
	23	4.985	529	232		
	24	6.550	468	292		
	25	6.866	290	274		
	26	6.779	360	256		
	27	6.539	335	256		
	28	6.275	445	280		
	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**	5.057178571	547.857142857	325.357142857	0.14	5
	Daily Max	6.866	789	616	0.14	5
	Daily Max - Variable					
	Daily Min	4.318	290	232	0.14	5
	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	0.9
	LOQ				0.1	2.9
	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	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	68.0	2.5	5.3	127.0	4.713
	2					4.786
	3					4.860
	4					4.621
	5					4.514
	6					4.833
	7					4.673
	8					4.340
	9					4.641
	10					4.895
	11					4.688
	12					4.577
	13					4.615
	14					4.614
	15					4.318
	16					4.583
	17					4.978
	18					4.848
	19					4.893
	20					4.920
	21					4.914
	22					4.783
	23					4.985
	24					6.550
	25					6.866
	26					6.779
	27					6.539
	28					6.275
	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**	68	2.5	5.3	127	5.057178571
	Daily Max	68	2.5	5.3	127	6.866
	Daily Max - Variable					
	Daily Min	68	2.5	5.3	127	4.318
	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**	3.4	0.5	0.8	1.8	
	LOQ	11	1.8	2.6	6	
	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	4	7.8	7.3	0.25	
	2	5	5.6	7.3	0.23	
	3	15	8.0	7.1	0.37	
	4	8	7.4	7.3	0.25	
	5	5	7.2	7.2	0.24	
	6	7	6.8	7.3	0.28	
	7	5	8.0	7.3	0.27	
	8	5	8.2	7.3	0.25	
	9	6	7.6	7.2	0.23	
	10	7	7.0	7.4	0.26	
	11	8	8.3	7.2	0.30	
	12	8	9.6	7.1	0.35	
	13	5	9.0	7.3	0.33	
	14	7	8.3	7.2	0.33	
	15	6	8.8	7.1	0.35	
	16	7	5.4	7.2	0.36	
	17	15	8.9	7.1	0.36	
	18	17	11.4	7.2	0.52	
	19	10	14.3	7.2	0.61	
	20	9	13.9	7.2	0.62	
	21	10	12.9	7.1	0.68	
	22	9	12.0	7.2	0.63	
	23	9	12.0	7.0	0.64	
	24	18	12.0	7.2	0.60	
	25	21	11.2	7.5	0.64	
	26	20	11.6	7.1	0.58	
	27	21	12.0	7.1	0.61	
	28	13	10.3	7.2	0.51	490.01
	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**	10		9.482142857		7.210714286		0.416071429		490.01	
	Daily Max	21		14.3		7.5		0.68		490.01	
	Daily Max - Variable										
	Daily Min	4		5.4		7		0.23		490.01	
	Week 1 Avg	7		7.257142857							
	Week 2 Avg	6.571428571		8.285714286							
	Week 3 Avg	10.571428571		10.8							
	Week 4 Avg	15.857142857		11.585714286							
Limit(s) in Effect	**Monthly Avg**	30	0	30	0			0.8	0		
	Daily Max					9	0				
	Daily Max - Variable										
	Daily Min					6	0				
	Weekly Avg	45	0	45	0						
QA/QC Information	**LOD**							0.019			
	LOQ							0.06			
	QC Exceedance	Y		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	0.09	>34	<0.0300	1.6000	3.6000
	2	0.04	>34			
	3	1.56	>34			
	4	0.43	>34			
	5	0.19	>34			
	6	0.61	>34			
	7	0.15	>34			
	8	0.13	>34			
	9	0.14	>34			
	10	0.34	>34			
	11	0.14	>34			
	12	0.75	>34			
	13	0.15	>34			
	14	0.59	>34			
	15	0.16	>34			
	16	0.08	>34			
	17	2.59	>34			
	18	3.03	>34			
	19	0.78	>34			
	20	0.09	>34			
	21	0.67	>34			
	22	0.19	>34			
	23	0.07	>34			
	24	2.13	>34			
	25	4.65	>34			
	26	3.28	>34			
	27	5.40	>34			
	28	3.53	>34			
	29					
	30					
	31					

	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	
Summary Values	**Monthly Avg**	1.141428571		>34		0		1.6		3.6	
	Daily Max	5.4		>34		<0.03		1.6		3.6	
	Daily Max - Variable	5.4									
	Daily Min	0.04		>34		<0.03		1.6		3.6	
	Week 1 Avg	0.438571429									
	Week 2 Avg	0.32									
	Week 3 Avg	1.057142857									
	Week 4 Avg	2.75									
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**	0.03				0.3		0.87		3.4	
	LOQ	0.1				0.1		2.9		11	
	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 OCCURNCE
Sample Results	Day 1	<0.5400	4.3000	15.0000	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**	0	4.3	15	0
	Daily Max	<0.54	4.3	15	0
	Daily Max - Variable				
	Daily Min	<0.54	4.3	15	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**	0.54	0.77	1.8	
	LOQ	1.8	2.6	6	
	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

2-24-25 BOD Blank Depletion: The blank set up on 2/26/25 failed. It was associated with the sample date 2/24/25 and failed with a depletion of 0.27 mg/L. The acceptable limit is 0.24 mg/L. The meter calibration was checked as well as the probe cap and barometer on all three DO meters. The blank was then re-checked on all DO meters yielding a continued over depletion of the blank. The jug containing dilution water was cleaned. The next blank set up on 2/27/25 was within the acceptable depletion range.

Submitted by 73chev on 03/10/2025 8:19:09 AM