

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: 03/01/2025 - 03/31/2025
Form Due Date: 04/21/2025
Permit Number: 0023990

Date Received:	
DOC:	563239
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	5.849	482	248	<0.3	11.0
	2	5.596	416	216		
	3	5.463	520	292		
	4	7.796	481	396		
	5	19.549	173	196		
	6	11.572	253	156		
	7	9.958	326	320		
	8	8.642	332	292		
	9	8.407	348	160		
	10	8.618	307	228		
	11	8.336	360	190		
	12	8.327	281	184		
	13	8.051	250	192		
	14	8.041	200	88		
	15	7.809	307	208		
	16	7.417	243	192		
	17	7.533	363	203		
	18	7.196	391	206		
	19	9.682	266	200		
	20	12.412	160	132		
	21	11.797	201	172		
	22	10.717	205	104		
	23	10.974	188	136		
	24	11.543	194	136		
	25	10.576	215	178		
	26	9.578	217	216		
	27	9.100	232	164		
	28	10.353	246	180		
	29	9.679	272	156		
	30	18.734	114	112		
	31	15.954	135	88		

	Sample Point	703		703		703		703	
	Description	Influent		Influent		Influent		Influent	
	Parameter	211		66		457		87	
	Description	Flow Rate		BOD5, Total		Suspended Solids, Total		Cadmium, Total Recoverable	
	Units	MGD		mg/L		mg/L		ug/L	
Summary Values	Monthly Avg	9.847064516		279.935483871		191.64516129		0	
	Daily Max	19.549		520		396		<0.3	
	Daily Max - Variable								
	Daily Min	5.463		114		88		<0.3	
	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	
	LOQ							1	
	QC Exceedance	N		Y		N		N	
	Lab Certification			420004860		420004860		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	44.0	5.2	12.0	100.0	5.849
	2					5.596
	3					5.463
	4					7.796
	5					19.549
	6					11.572
	7					9.958
	8					8.642
	9					8.407
	10					8.618
	11					8.336
	12					8.327
	13					8.051
	14					8.041
	15					7.809
	16					7.417
	17					7.533
	18					7.196
	19					9.682
	20					12.412
	21					11.797
	22					10.717
	23					10.974
	24					11.543
	25					10.576
	26					9.578
	27					9.100
	28					10.353
	29					9.679
	30					18.734
	31					15.954

	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	44		5.2		12		100		9.847064516	
	Daily Max	44		5.2		12		100		19.549	
	Daily Max - Variable										
	Daily Min	44		5.2		12		100		5.463	
	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	11	8.6	7.2	0.43	
	2	8	8.0	7.2	0.37	
	3	12	6.4	7.1	0.28	
	4	13	9.5	7.2	0.33	
	5	27	8.0	7.1	0.54	
	6	11	6.8	7.2	0.23	
	7	6	6.4	7.2	0.18	
	8	6	5.8	7.2	0.18	
	9	6	4.0	7.1	0.16	
	10	7	3.4	7.1	0.14	
	11	7	3.5	7.2	0.15	
	12	9	4.6	7.1	0.18	
	13	8	4.2	7.1	0.19	
	14	10	5.6	7.2	0.16	
	15	8	5.6	7.2	0.16	
	16	6	3.6	7.2	0.14	
	17	9	4.4	7.2	0.15	
	18	11	4.1	7.3	0.17	
	19	13	4.8	7.2	0.21	
	20	13	5.8	7.3	0.18	
	21	11	5.4	7.2	0.17	
	22	7	3.8	7.2	0.14	
	23	6	3.4	7.2	0.14	
	24	10	4.2	7.2	0.13	
	25	9	5.2	7.1	0.17	
	26	8	5.4	7.2	0.16	
	27	7	4.4	7.1	0.15	
	28	8	3.6	7.2	0.17	
	29	5	4.2	7.3	0.16	
	30	7	6.6	7.2	0.28	
	31	8	3.6	7.3	0.16	522.48

	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	9.258064516		5.25483871		7.187096774		0.20516129		522.48	
	Daily Max	27		9.5		7.3		0.54		522.48	
	Daily Max - Variable										
	Daily Min	5		3.4		7.1		0.13		522.48	
	Week 1 Avg	12.571428571		7.671428571							
	Week 2 Avg	7.571428571		4.442857143							
	Week 3 Avg	10.142857143		4.814285714							
	Week 4 Avg	7.857142857		4.285714286							
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	0.62	>34	<0.3000	5.7000	4.2000
	2	0.22	>34			
	3	1.16	>34			
	4	1.53	>34			
	5	3.93	>34			
	6	1.40	>34			
	7	0.35	>34			
	8	0.56	>34			
	9	0.12	>34			
	10	0.86	>34			
	11	1.45	>34			
	12	2.06	>34			
	13	1.73	>34			
	14	2.03	>34			
	15	0.53	>34			
	16	0.14	>34			
	17	0.96	>34			
	18	1.20	>34			
	19	1.89	>34			
	20	1.51	>34			
	21	1.14	>34			
	22	0.22	>34			
	23	0.09	>34			
	24	0.77	>34			
	25	0.40	>34			
	26	0.37	>34			
	27	0.20	>34			
	28	0.42	>34			
	29	0.07	>34			
	30	0.05	>34			
	31	0.48	>34			

	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	0.918064516		>34		0		5.7		4.2	
	Daily Max	3.93		>34		<0.3		5.7		4.2	
	Daily Max - Variable	3.93									
	Daily Min	0.05		>34		<0.3		5.7		4.2	
	Week 1 Avg	1.315714286									
	Week 2 Avg	1.258571429									
	Week 3 Avg	1.052857143									
	Week 4 Avg	0.352857143									
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		1.3		0.8	
	LOQ	0.1				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 OCCURRENCE
Sample Results	Day 1	<3.5000	3.9000	18.0000	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		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		3.9		18		0	
	Daily Max	<3.5		3.9		18		0	
	Daily Max - Variable								
	Daily Min	<3.5		3.9		18		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			

General Remarks

Laboratory Quality Control Comments

BOD GGA 3-9-25: A blank set up on 3/11/25 failed which was associated with sample date 3/9/25 and had a depletion of 1.31 mg/L. The acceptable limit is +/- 0.24 mg/L. The initial DO for the blank was 8.71 mg/L. The meter calibration was checked as well as the probe cap and barometer on all meters. The blank was then re-checked on all DO meters yielding continued over depletion of the blank. There was an air bubble noted in the sample bottle. There have also been low temperatures in the lab in the morning. It is unclear if the fix worked. The BOD blank for sample date 3/10/25 and 3/11/25, set up on 3/12/25, had no air bubbles but failed at 0.44 and 0.59 mg/L. The BOD blank set up 3/13/25 passed at 0.20 mg/L depletion. They were all set up off the same dilution jug.

BOD GGA 3-11-25: The BOD GGA sample set up on 3/11/25 failed high, the result was 257.48 mg/L which was above the highest acceptable limit of 228.5 mg/L. The meter calibration was checked as well as the probe cap and barometer on all meters. The GGA was then re-checked on all DO meters yielding continued over depletion of the control. The blank set up on 3/11/25 also failed high, but there was an air bubble in the sample bottle. The influent and effluent samples associated with this GGA were from sample date 3/9/25. The next GGA set up on 3/12/25 was back within the acceptable depletion range.

BOD Blank Depletion: 3-10,11-25: Both blanks set up on 3/12/2025 failed. They were associated with sample dates 3/10/25 and 3/11/25 and failed with a depletion of 0.44 mg/L and 0.59 mg/L respectively. The acceptable limit is +/- 0.24 mg/L. The meter calibration was checked as well as the probe cap and barometer on all meters. The blank was then re-checked on all DO meters yielding continued over depletion of the blank. The lab has been experiencing some heating issues and we are working to keep temperature in compliance. The next blank set up on 3/13/25 was within the acceptable depletion range.

Submitted by 73chev on 04/08/2025 10:10:38 AM