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:	05/01/2025 - 05/31/2025
Form Due Date:	06/21/2025
Permit Number:	0023990

Date Received:	
DOC:	571458
FIN:	7290
FID:	420004860
Region:	Northeast Region
Permit Drafter:	Ashley M Clark
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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Contact Address: 700 Doty St
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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	11.622	236	208	0.4	11.0
	2	10.380	191	68		
	3	9.306	278	188		
	4	8.754	206	176		
	5	8.320	246	176		
	6	8.185	402	246		
	7	7.740	343	296		
	8	7.550	486	232		
	9	7.108	390	252		
	10	6.974	359	140		
	11	6.670	332	188		
	12	7.000	367	284		
	13	6.756	327	260		
	14	6.705	371	316		
	15	8.896	300	256		
	16	8.698	296	232		
	17	7.430	429	244		
	18	7.185	369	204		
	19	7.149	283	220		
	20	15.293	274	190		
	21	26.228	152	80		
	22	18.984	133	136		
	23	13.686	200	136		
	24	11.326	193	124		
	25	9.981	261	136		
	26	9.582	360	140		
	27	9.134	304	191		
	28	9.291	309	200		
	29	9.123	259	228		
	30	8.620	223	264		
	31	8.102	330	264		

	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**	9.734774194	297.064516129	202.419354839	0.4	11
	Daily Max	26.228	486	316	0.4	11
	Daily Max - Variable					
	Daily Min	6.67	133	68	0.4	11
	Geometric Mean -					
	Geometric Mean -					
	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					
	Geometric Mean -					
	Geometric Mean -					
	Weekly Avg					
QA/QC Information	**LOD**				0.3	1.3
	LOQ				1	4.3
	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	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	47.0	<3.5	16.0	131.0	11.622
	2					10.380
	3					9.306
	4					8.754
	5					8.320
	6					8.185
	7					7.740
	8					7.550
	9					7.108
	10					6.974
	11					6.670
	12					7.000
	13					6.756
	14					6.705
	15					8.896
	16					8.698
	17					7.430
	18					7.185
	19					7.149
	20					15.293
	21					26.228
	22					18.984
	23					13.686
	24					11.326
	25					9.981
	26					9.582
	27					9.134
	28					9.291
	29					9.123
	30					8.620
	31					8.102

	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**	47	0	16	131	9.734774194
	Daily Max	47	<3.5	16	131	26.228
	Daily Max - Variable					
	Daily Min	47	<3.5	16	131	6.67
	Geometric Mean -					
	Geometric Mean -					
	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					
	Geometric Mean -					
	Geometric Mean -					
	Weekly Avg					
QA/QC Information	**LOD**	0.8	3.5	1.3	2.2	
	LOQ	2.7	12	4.3	7.3	
	QC Exceedance	N	N	N	N	N
	Lab Certification	445023150	445023150	445023150	445023150	

	Sample Point	003	003	003	003	003
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	66	457	377	204	388
	Description	BOD5, Total	Suspended Solids, Total	pH Field	Fecal Coliform	Phosphorus, Total
	Units	mg/L	mg/L	mg/L	#/100ml	mg/L
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	GRAB	GRAB	24 HR FLOW PROP
	Frequency	DAILY	DAILY	DAILY	WEEKLY	DAILY
Sample Results	Day 1	13.9	9.4	7.1		0.27
	2	7.9	8.4	7.1		0.23
	3	7.8	8.6	6.8		0.15
	4	7.2	8.6	7.1		0.25
	5	8.5	8.8	7.1		0.28
	6	8.0	9.4	7.1	17	0.29
	7	9.9	9.4	7.0		0.32
	8	9.1	7.4	7.1		0.26
	9	7.9	7.8	7.2		0.25
	10	6.8	8.2	7.2		0.19
	11	6.2	6.8	7.2		0.24
	12	10.6	7.8	7.1		0.27
	13	8.7	7.0	7.2	248	0.30
	14	8.4	9.4	7.2		0.19
	15	10.7	8.4	7.2		0.35
	16	7.6	7.8	7.1		0.33
	17	7.2	5.6	7.2		0.29
	18	6.1	5.2	7.3		0.27
	19	10.2	5.2	7.2		0.27
	20	17.1	11.4	7.2	23	0.53
	21	17.0	10.0	7.1		0.44
	22	6.5	6.6	7.1		0.20
	23	7.4	5.0	7.2		0.19
	24	5.7	6.0	7.2		0.19
	25	5.2	6.2	7.3		0.21
	26	8.2	5.4	6.9		0.20
	27	7.1	4.9	7.2	1	0.19
	28	11.2	6.4	7.1		0.25
	29	10.2	7.6	7.1		0.30
	30	7.8	8.8	7.2		0.29
	31	6.7	5.6	7.3		0.23

	Sample Point	003		003		003		003		003	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	66		457		377		204		388	
	Description	BOD5, Total		Suspended Solids, Total		pH Field		Fecal Coliform		Phosphorus, Total	
	Units	mg/L		mg/L		mg/L		#/100ml		mg/L	
Summary Values	**Monthly Avg**	8.8		7.519354839		7.141935484		72.25		0.26516129	
	Daily Max	17.1		11.4		7.3		248		0.53	
	Daily Max - Variable										
	Daily Min	5.2		4.9		6.8		1		0.15	
	Geometric Mean -							17.646440233			
	Geometric Mean -							23			
	Week 1 Avg	9.028571429		8.942857143							
	Week 2 Avg	8.242857143		7.771428571							
	Week 3 Avg	10.842857143		7.657142857							
	Week 4 Avg	7.328571429		5.785714286							
Limit(s) in Effect	**Monthly Avg**	30	0	30	0					0.8	0
	Daily Max					9	0				
	Daily Max - Variable										
	Daily Min					6	0				
	Geometric Mean -							400	0		
	Geometric Mean -							656	0		
	Weekly Avg	45	0	45	0						
QA/QC Information	**LOD**									0.014	
	LOQ									0.04	
	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	388	789	320	87	133
	Description	Phosphorus, Total	Nitrogen, Ammonia (NH3-N) Total	Nitrogen, Ammonia Variable Limit	Cadmium, Total Recoverable	Chromium, Total Recoverable
	Units	lbs/month	mg/L	mg/L	ug/L	ug/L
	Sample Type	CALCULATED	24 HR FLOW PROP	SEE TABLE	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	MONTHLY	DAILY	DAILY	MONTHLY	MONTHLY
Sample Results	Day 1		1.08	>34	<0.3000	2.1000
	2		0.05	>34		
	3		<0.03	>34		
	4		<0.03	>34		
	5		<0.03	>34		
	6		<0.03	>34		
	7		0.16	>34		
	8		0.27	>34		
	9		0.20	>34		
	10		0.04	>34		
	11		<0.03	>34		
	12		0.75	>34		
	13		0.23	>34		
	14		0.19	>34		
	15		0.88	>34		
	16		0.18	>34		
	17		0.42	>34		
	18		0.21	>34		
	19		0.74	>34		
	20		3.56	>34		
	21		2.75	>34		
	22		0.72	>34		
	23		0.76	>34		
	24		0.04	>34		
	25		<0.03	>34		
	26		0.47	>34		
	27		0.42	>34		
	28		1.37	>34		
	29		0.90	>34		
	30		0.25	>34		
	31	665.05	0.04	>34		

	Sample Point	003	003	003	003	003
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	388	789	320	87	133
	Description	Phosphorus, Total	Nitrogen, Ammonia (NH3-N) Total	Nitrogen, Ammonia Variable Limit	Cadmium, Total Recoverable	Chromium, Total Recoverable
	Units	lbs/month	mg/L	mg/L	ug/L	ug/L
Summary Values	**Monthly Avg**	665.05	0.538064516	>34	0	2.1
	Daily Max	665.05	3.56	>34	<0.3	2.1
	Daily Max - Variable		3.56			
	Daily Min	665.05	<0.03	>34	<0.3	2.1
	Geometric Mean -					
	Geometric Mean -					
	Week 1 Avg		0.184285714			
	Week 2 Avg		0.24			
	Week 3 Avg		1.248571429			
	Week 4 Avg		0.54			
Limit(s) in Effect	**Monthly Avg**		19 0			
	Daily Max					
	Daily Max - Variable		0 0			
	Daily Min					
	Geometric Mean -					
	Geometric Mean -					
	Weekly Avg		34 0			
QA/QC Information	**LOD**		0.03		0.3	1.3
	LOQ		0.1		1	4.3
	QC Exceedance	N	N	N	N	N
	Lab Certification		420004860		445023150	445023150

	Sample Point	003	003	003	003	199
	Description	Effluent	Effluent	Effluent	Effluent	In-Plant Blending
	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	CALCULATED
	Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	PER OCCURNCE
Sample Results	**Day 1**	7.3000	<3.5000	5.0000	26.0000	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	003	199
	Description	Effluent	Effluent	Effluent	Effluent	In-Plant Blending
	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**	7.3	0	5	26	0
	Daily Max	7.3	<3.5	5	26	0
	Daily Max - Variable					
	Daily Min	7.3	<3.5	5	26	0
	Geometric Mean -					
	Geometric Mean -					
	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					
	Geometric Mean -					
	Geometric Mean -					
	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	

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

5-11-25 BOD Blank: A blank set up on 5/13/25 failed. The failed blank was associated with sample date 5/11/25 and had a depletion of 0.25 mg/L. The acceptable limit is +/- 0.24 mg/L.The initial DO for the blank was 8.80 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 19L container used for dilution water in this instance has since been cleaned and swapped for a new/clean one. The next blank set up on 5/14/25 passed with a depletion of -0.06 mg/L.
5-14-25 BOD Blank: A blank set up on 5/15/25 failed. The failed blank was associated with sample date 5/14/25 and had a depletion of 0.59 mg/L. The acceptable limit is +/- 0.24 mg/L.The initial DO for the blank was 8.81 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 19L container used for dilution water in this instance has since been cleaned and swapped for a new/clean one. The next blank set up on 5/16/25 passed with a depletion of -0.24 mg/L.
5/29/25 BOD GGA: The BOD GGA sample set up on 5/30/2025 failed low. The result was 162.56 mg/L which was below the lowest acceptable limit of 167.5 mg/L. There was a large air bubble present in the bottle upon reading out, which likely skewed the BOD value to be low. The associated blanks were in acceptable range and the meters were calibrated properly. 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 influent and effluent samples associated with this GGA were from sample date 5/29/2025. The next GGA set up on 6/1/2025 was back within the acceptable depletion range.

Submitted by 73chev on 06/10/2025 6:45:06 AM