

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: 07/01/2025 - 07/31/2025
Form Due Date: 08/21/2025
Permit Number: 0023990

Date Received:	
DOC:	577803
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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	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	9.138	279	210	<0.3	6.1
	2	8.412	303	316		
	3	8.965	419	220		
	4	12.300	196	148		
	5	11.150	222	192		
	6	11.735	180	156		
	7	10.093	255	188		
	8	8.880	240	214		
	9	8.139	269	236		
	10	7.761	274	224		
	11	7.746	364	220		
	12	7.639	368	216		
	13	6.855	335	256		
	14	6.878	315	308		
	15	6.849	265	296		
	16	12.526	253	276		
	17	11.725	196	112		
	18	9.555	284	112		
	19	9.448	276	252		
	20	9.100	196	248		
	21	8.556	354	112		
	22	7.951	392	258		
	23	8.028	332	212		
	24	7.649	291	288		
	25	6.990	436	388		
	26	6.462	411	248		
	27	6.487	352	320		
	28	6.575	434	300		
	29	6.358	494	378		
	30	7.401	393	336		
	31	6.959	303	268		

	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	8.526129032		312.290322581		242.193548387		0		6.1	
	Daily Max	12.526		494		388		<0.3		6.1	
	Daily Max - Variable										
	Daily Min	6.358		180		112		<0.3		6.1	
	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	41.0	<3.5	7.8	82.0	9.138
	2					8.412
	3					8.965
	4					12.300
	5					11.150
	6					11.735
	7					10.093
	8					8.880
	9					8.139
	10					7.761
	11					7.746
	12					7.639
	13					6.855
	14					6.878
	15					6.849
	16					12.526
	17					11.725
	18					9.555
	19					9.448
	20					9.100
	21					8.556
	22					7.951
	23					8.028
	24					7.649
	25					6.990
	26					6.462
	27					6.487
	28					6.575
	29					6.358
	30					7.401
	31					6.959

	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	41		0		7.8		82		8.526129032	
	Daily Max	41		<3.5		7.8		82		12.526	
	Daily Max - Variable										
	Daily Min	41		<3.5		7.8		82		6.358	
	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		4.3			
	LOQ	2.7		12		4.3		14			
	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	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	8.0	13.2	7.0	9	0.50
	2	9.5	14.2	7.3		0.59
	3	11.1	16.5	7.4		0.67
	4	10.9	21.8	7.3		0.97
	5	10.1	22.2	7.1		0.87
	6	13.1	21.5	7.5		0.72
	7	13.3	20.0	7.3		0.74
	8	10.1	14.1	7.3	29	0.45
	9	9.1	12.6	7.3		0.46
	10	7.4	11.0	7.0		0.41
	11	6.8	9.2	7.2		0.35
	12	5.9	7.6	8.0		0.27
	13	8.1	7.4	7.4		0.23
	14	9.7	7.6	7.3		0.25
	15	7.8	7.6	7.3	29	0.27
	16	15.1	13.6	7.2		0.46
	17	11.7	11.4	7.1		0.35
	18	10.6	11.8	7.2		0.38
	19	8.0	12.4	7.2		0.47
	20	7.2	10.0	7.0		0.36
	21	7.3	10.4	7.2		0.35
	22	8.7	9.8	7.3	111	0.30
	23	7.3	9.8	7.4	71	0.30
	24	7.0	8.8	7.3		0.27
	25	6.1	8.4	7.2		0.24
	26	5.5	9.6	7.2		0.26
	27	5.3	7.4	7.3		0.40
	28	9.3	7.4	7.2		0.27
	29	7.7	7.2	7.3	48	0.27
	30	8.8	9.6	7.3		0.32
	31	8.7	9.6	7.3		0.25

	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	8.877419355		11.732258065		7.270967742		49.5		0.419354839	
	Daily Max	15.1		22.2		8		111		0.97	
	Daily Max - Variable										
	Daily Min	5.3		7.2		7		9		0.23	
	Geometric Mean -							37.682830052			
	Geometric Mean -							88.77499648			
	Week 1 Avg	10.857142857		18.485714286							
	Week 2 Avg	8.157142857		9.928571429							
	Week 3 Avg	9.671428571		11.028571429							
	Week 4 Avg	7.028571429		8.742857143							
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		0.05	>34	<0.3000	1.3000
	2		0.05	>34		
	3		0.06	>34		
	4		0.05	>34		
	5		0.03	>34		
	6		<0.02	>34		
	7		0.25	>34		
	8		0.06	>34		
	9		0.08	>34		
	10		0.05	>34		
	11		0.03	>34		
	12		<0.02	17.00		
	13		0.02	>34		
	14		0.20	>34		
	15		0.22	>34		
	16		1.23	>34		
	17		0.33	>34		
	18		0.38	>34		
	19		0.05	>34		
	20		0.02	>34		
	21		0.06	>34		
	22		0.10	>34		
	23		0.08	>34		
	24		0.07	>34		
	25		0.06	>34		
	26		0.05	>34		
	27		0.04	>34		
	28		0.19	>34		
	29		0.06	>34		
	30		0.36	>34		
	31	923.09	0.26	>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	923.09		0.14483871		>33.451612903		0		1.3	
	Daily Max	923.09		1.23		>34		<0.3		1.3	
	Daily Max - Variable			1.23							
	Daily Min	923.09		<0.02		17		<0.3		1.3	
	Geometric Mean -										
	Geometric Mean -										
	Week 1 Avg			0.07							
	Week 2 Avg			0.062857143							
	Week 3 Avg			0.327142857							
	Week 4 Avg			0.084285714							
Limit(s) in Effect	Monthly Avg			6.1	0						
	Daily Max										
	Daily Max - Variable			0	0						
	Daily Min										
	Geometric Mean -										
	Geometric Mean -										
	Weekly Avg			17	0						
QA/QC Information	LOD			0.02				0.3		1.3	
	LOQ			0.05				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 OCCURANCE
Sample Results	Day 1	4.9000	<3.5000	3.4000	12.0000	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	4.9		0		3.4		12		0	
	Daily Max	4.9		<3.5		3.4		12		0	
	Daily Max - Variable										
	Daily Min	4.9		<3.5		3.4		12		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		4.3			
	LOQ	2.7		12		4.3		14			
	QC Exceedance										
	Lab Certification	445023150		445023150		445023150		445023150			

General Remarks

End of June through July we struggled with filaments on the activated sludge system. The interesting thing is that it seemed to stem from putting the 3rd aeration basin back online for cleaning-maintenance in mid-June. It's taken some time, but we are trending back to normal. Still dealing with noticeable solids in the plant, but effluent numbers are looking better.

Laboratory Quality Control Comments

7-14,15-25 BOD Early Incubation Removal: On 7/21/25, the BODs of composite samples from 7/14/25 and 7/15/25 were removed from incubation and read prematurely. The earliest those samples could be removed from incubation and read out was 5 days minus 6 hours. This would have allowed for those samples to be removed from incubation at 08:15am at the earliest, but they were instead removed at 06:42am. The lab staff was reminded of protocol regarding BOD read out times and the importance of allowing to the BOD samples to remain in incubation for the most accurate results. The BOD data from 7/14-15/25 were qualified.

Submitted by 73chev on 08/12/2025 9:17:43 AM