

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: 03/01/2024 - 03/31/2024
 Form Due Date: 04/21/2024
 Permit Number: 0023990

Date Received:
 DOC: 537119
 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	6.444	629	300	<0.3	6.1
	2	6.131	442	328		
	3	5.921	254	356		
	4	6.935	347	256		
	5	7.475	382	300		
	6	6.817	376	256		
	7	6.823	467	256		
	8	8.186	308	220		
	9	8.623	201	160		
	10	8.206	165	212		
	11	8.013	291	252		
	12	7.609	261	230		
	13	7.048	373	200		
	14	8.825	257	250		
	15	8.927	220	192		
	16	8.162	248	176		
	17	7.523	321	240		
	18	7.575	293	240		
	19	7.150	384	249		
	20	6.894	389	212		
	21	6.570	367	236		
	22	6.703	254	192		
	23	6.776	264	216		
	24	6.779	292	232		
	25	9.364	347	300		
	26	17.245	166	162		
	27	12.869	207	172		
	28	10.874	220	206		
	29	9.645	256	196		
	30	9.341	309	196		
	31	8.539	187	184		

	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	8.193290323	305.709677419	231.516129032	0	6.1
	Daily Max	17.245	629	356	<0.3	6.1
	Daily Max - Variable					
	Daily Min	5.921	165	160	<0.3	6.1
	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	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	59.0	7.3	11.0	93.0	6.444
	2					6.131
	3					5.921
	4					6.935
	5					7.475
	6					6.817
	7					6.823
	8					8.186
	9					8.623
	10					8.206
	11					8.013
	12					7.609
	13					7.048
	14					8.825
	15					8.927
	16					8.162
	17					7.523
	18					7.575
	19					7.150
	20					6.894
	21					6.570
	22					6.703
	23					6.776
	24					6.779
	25					9.364
	26					17.245
	27					12.869
	28					10.874
	29					9.645
	30					9.341
	31					8.539

	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	59	7.3	11	93	8.193290323
	Daily Max	59	7.3	11	93	17.245
	Daily Max - Variable					
	Daily Min	59	7.3	11	93	5.921
	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	8	12.8	7.1	0.34	
	2	5	6.8	6.9	0.19	
	3	4	4.2	7.1	0.15	
	4	6	7.2	7.2	0.20	
	5	10	5.3	7.1	0.20	
	6	10	9.8	7.1	0.24	
	7	7	5.8	7.1	0.20	
	8	6	6.0	7.1	0.25	
	9	6	7.6	7.2	0.26	
	10	7	6.8	7.1	0.21	
	11	9	8.0	7.2	0.23	
	12	7	6.7	7.1	0.24	
	13	6	6.0	7.0	0.29	
	14	7	7.2	7.1	0.22	
	15	5	5.8	7.1	0.22	
	16	5	5.4	7.1	0.20	
	17	5	5.0	6.9	0.18	
	18	9	6.6	7.2	0.20	
	19	8	7.5	7.1	0.23	
	20	6	6.6	7.2	0.23	
	21	6	6.6	7.0	0.21	
	22	5	5.8	7.3	0.22	
	23	4	5.4	7.1	0.19	
	24	6	6.2	7.0	0.24	
	25	10	9.2	7.1	0.26	
	26	11	14.3	7.1	0.38	
	27	8	8.8	7.1	0.25	
	28	6	6.2	7.1	0.22	
	29	5	5.8	7.1	0.21	
	30	5	4.6	6.9	0.19	
	31	5	5.6	7.2	0.19	480.58

	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	6.677419355		6.95483871		7.096774194		0.227096774		480.58	
	Daily Max	11		14.3		7.3		0.38		480.58	
	Daily Max - Variable										
	Daily Min	4		4.2		6.9		0.15		480.58	
	Week 1 Avg	7.142857143		7.414285714							
	Week 2 Avg	6.857142857		6.9							
	Week 3 Avg	6.285714286		6.214285714							
	Week 4 Avg	7.142857143		7.985714286							
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							0.011			
	LOQ							0.034			
	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	0.20	>34	0.3000	2.9000	12.0000
	2	0.07	>34			
	3	0.06	>34			
	4	0.08	>34			
	5	0.87	>34			
	6	0.80	>34			
	7	0.15	>34			
	8	0.08	>34			
	9	0.04	>34			
	10	0.04	>34			
	11	0.42	>34			
	12	0.31	>34			
	13	0.17	>34			
	14	0.42	>34			
	15	0.08	>34			
	16	0.06	>34			
	17	0.06	>34			
	18	0.58	>34			
	19	0.34	>34			
	20	0.10	>34			
	21	0.05	>34			
	22	0.08	>34			
	23	0.06	>34			
	24	0.04	>34			
	25	0.60	>34			
	26	0.20	>34			
	27	0.18	>34			
	28	0.25	>34			
	29	0.05	>34			
	30	0.03	>34			
	31	0.02	>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	0.209354839		>34		0.3		2.9		12	
	Daily Max	0.87		>34		0.3		2.9		12	
	Daily Max - Variable	0.87									
	Daily Min	0.02		>34		0.3		2.9		12	
	Week 1 Avg	0.318571429									
	Week 2 Avg	0.211428571									
	Week 3 Avg	0.181428571									
	Week 4 Avg	0.201428571									
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	0.05				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	5.7000	8.7000	24.0000	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	5.7		8.7		24		0	
	Daily Max	5.7		8.7		24		0	
	Daily Max - Variable								
	Daily Min	5.7		8.7		24		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

3-5-24 BOD GGA: The GGA set up on 3/5/24 failed at 234.73 mg/L. The influent and effluent samples associated with this GGA were from sample date 3/3/24. 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 next GGA set up on 3/6/24 was back within the acceptable depletion range.

Submitted by 73chev on 04/10/2024 8:20:47 AM