

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: 01/01/2024 - 01/31/2024
 Form Due Date: 02/21/2024
 Permit Number: 0023990

Date Received:
 DOC: 537117
 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	5.873	338	220	<0.3	7.2
	2	6.381	402	306		
	3	6.287	438	284		
	4	6.231	347	240		
	5	5.883	563	360		
	6	5.772	480	260		
	7	5.987	306	282		
	8	5.585	414	252		
	9	6.052	310	235		
	10	6.322	436	236		
	11	6.339	444	272		
	12	6.108	316	80		
	13	5.890	257	72		
	14	5.913	337	212		
	15	6.525	549	348		
	16	6.394	464	336		
	17	6.207	386	224		
	18	6.098	405	260		
	19	5.859	455	280		
	20	5.555	460	268		
	21	5.526	728	184		
	22	5.414	512	320		
	23	4.904	402	374		
	24	5.451	370	292		
	25	6.415	362	268		
	26	9.459	260	196		
	27	10.377	264	118		
	28	10.606	187	160		
	29	10.339	206	192		
	30	10.307	236	162		
	31	10.720	212	168		

	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	6.799322581	382.129032258	240.677419355	0	7.2
	Daily Max	10.72	728	374	<0.3	7.2
	Daily Max - Variable					
	Daily Min	4.904	187	72	<0.3	7.2
	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	62.0	4.3	12.0	108.0	5.873
	2					6.381
	3					6.287
	4					6.231
	5					5.883
	6					5.772
	7					5.987
	8					5.585
	9					6.052
	10					6.322
	11					6.339
	12					6.108
	13					5.890
	14					5.913
	15					6.525
	16					6.394
	17					6.207
	18					6.098
	19					5.859
	20					5.555
	21					5.526
	22					5.414
	23					4.904
	24					5.451
	25					6.415
	26					9.459
	27					10.377
	28					10.606
	29					10.339
	30					10.307
	31					10.720

	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	62	4.3	12	108	6.799322581
	Daily Max	62	4.3	12	108	10.72
	Daily Max - Variable					
	Daily Min	62	4.3	12	108	4.904
	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	0.1	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	7	8.0	7.2	0.30	
	2	9	10.7	7.2	0.27	
	3	7	7.8	7.0	0.28	
	4	6	6.8	7.2	0.27	
	5	6	6.6	7.0	0.24	
	6	6	7.4	7.0	0.24	
	7	7	6.6	7.2	0.22	
	8	8	6.6	7.0	0.24	
	9	7	6.5	7.2	0.26	
	10	7	6.5	7.2	0.22	
	11	9	6.0	7.2	0.24	
	12	6	6.6	7.1	0.20	
	13	6	6.8	7.2	0.24	
	14	6	8.4	7.2	0.29	
	15	7	7.8	7.2	0.22	
	16	8	8.6	7.2	0.26	
	17	7	10.8	7.2	0.33	
	18	8	10.4	7.1	0.33	
	19	6	8.6	7.2	0.26	
	20	6	10.8	7.2	0.24	
	21	7	7.6	7.2	0.28	
	22	17	9.6	7.2	0.34	
	23	8	6.9	7.2	0.27	
	24	7	8.2	7.2	0.32	
	25	7	8.0	7.1	0.30	
	26	6	9.0	7.2	0.32	
	27	7	12.4	7.0	0.45	
	28	7	9.4	7.1	0.28	
	29	11	9.0	7.1	0.28	
	30	11	9.7	7.2	0.29	
	31	7	9.2	7.2	0.31	485.80

	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	7.548387097		8.3		7.151612903		0.277096774		485.8	
	Daily Max	17		12.4		7.2		0.45		485.8	
	Daily Max - Variable										
	Daily Min	6		6		7		0.2		485.8	
	Week 1 Avg	6.857142857		7.7							
	Week 2 Avg	7		6.771428571							
	Week 3 Avg	7		9.228571429							
	Week 4 Avg	8.428571429		9.071428571							
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	0.02	>34	<0.3000	3.6000	15.0000
	2	0.07	>34			
	3	0.08	>34			
	4	0.03	>34			
	5	0.15	>34			
	6	0.03	>34			
	7	<0.02	>34			
	8	0.15	>34			
	9	0.22	>34			
	10	0.23	>34			
	11	0.19	>34			
	12	0.08	>34			
	13	0.05	>34			
	14	0.03	>34			
	15	0.02	>34			
	16	0.13	>34			
	17	0.20	>34			
	18	0.41	>34			
	19	0.20	>34			
	20	0.05	>34			
	21	0.04	>34			
	22	1.66	>34			
	23	0.39	>34			
	24	0.89	>34			
	25	0.40	>34			
	26	0.24	>34			
	27	0.09	>34			
	28	0.06	>34			
	29	1.00	>34			
	30	0.94	>34			
	31	0.60	>34			

	Sample Point	003		003		003		003	
	Description	Effluent		Effluent		Effluent		Effluent	
	Parameter	789		320		87		133	
	Description	Nitrogen, Ammonia (NH3-N) Total		Nitrogen, Ammonia Variable Limit		Cadmium, Total Recoverable		Chromium, Total Recoverable	
	Units	mg/L		mg/L		ug/L		ug/L	
Summary Values	Monthly Avg	0.279032258		>34		0		3.6	
	Daily Max	1.66		>34		<0.3		3.6	
	Daily Max - Variable	1.66							
	Daily Min	<0.02		>34		<0.3		3.6	
	Week 1 Avg	0.054285714							
	Week 2 Avg	0.135714286							
	Week 3 Avg	0.15							
	Week 4 Avg	0.532857143							
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	
	LOQ	0.05				1		4.3	
	QC Exceedance	N		N		N		N	
	Lab Certification	420004860				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 OCCURNC
Sample Results	Day 1	5.0000	9.3000	34.0000	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		9.3		34		0	
	Daily Max	5		9.3		34		0	
	Daily Max - Variable								
	Daily Min	5		9.3		34		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			
	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

BOD GGA 1-31-24: The BOD GGA sample set up on 1/31/24 failed low. The result was 147.35 mg/L which was below the lowest acceptable limit of 167.5 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 next days GGA set up on 2/1/24 passed with a BOD of 213.28 mg/L.

Submitted by 73chev on 02/12/2024 7:40:33 AM