

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: 02/01/2022 - 02/28/2022
 Form Due Date: 03/21/2022
 Permit Number: 0023990

Date Received:
 DOC: 485785
 FIN: 7290
 FID: 420004860
 Region: Northeast Region
 Permit Drafter: Drafter not set
 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	4.300	585	282	<0.3	8.2
	2	4.165	510	314		
	3	4.186	577	370		
	4	4.081	443	164		
	5	3.954	454	307		
	6	3.891	322	232		
	7	4.277	434	312		
	8	4.115	450	320		
	9	4.140	376	340		
	10	4.263	494	288		
	11	4.243	428	154		
	12	3.855	515	328		
	13	3.966	399	256		
	14	4.389	451	340		
	15	4.432	452	315		
	16	4.318	344	323		
	17	4.314	438	333		
	18	4.274	400	320		
	19	4.144	329	270		
	20	4.461	441	302		
	21	4.534	448	336		
	22	4.229	379	314		
	23	4.438	417	368		
	24	4.404	465	326		
	25	4.246	561	452		
	26	4.246	564	88		
	27	4.042	304	216		
	28	4.894	422	352		
	29					
	30					
	31					

	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	4.242892857	442.928571429	297.214285714	0	8.2
	Daily Max	4.894	585	452	<0.3	8.2
	Daily Max - Variable					
	Daily Min	3.855	304	88	<0.3	8.2
	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	N	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	84.0	8.2	17.0	149.0	4.300
	2					4.165
	3					4.186
	4					4.081
	5					3.954
	6					3.891
	7					4.277
	8					4.115
	9					4.140
	10					4.263
	11					4.243
	12					3.855
	13					3.966
	14					4.389
	15					4.432
	16					4.318
	17					4.314
	18					4.274
	19					4.144
	20					4.461
	21					4.534
	22					4.229
	23					4.438
	24					4.404
	25					4.246
	26					4.246
	27					4.042
	28					4.894
	29					
	30					
	31					

	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	84	8.2	17	149	4.242892857
	Daily Max	84	8.2	17	149	4.894
	Daily Max - Variable					
	Daily Min	84	8.2	17	149	3.855
	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	17	9.8	7.1	0.44	
	2	16	11.6	7.3	0.47	
	3	17	13.0	7.1	0.46	
	4	9	12.4	7.1	0.35	
	5	10	11.8	7.3	0.47	
	6	17	11.2	7.4	0.58	
	7	19	10.2	7.2	0.50	
	8	19	10.3	7.2	0.50	
	9	20	12.6	7.2	0.62	
	10	16	12.6	7.2	0.58	
	11	14	12.2	7.2	0.61	
	12	18	11.0	7.4	0.50	
	13	18	12.0	7.2	0.52	
	14	21	12.6	7.1	0.49	
	15	19	10.8	7.1	0.51	
	16	11	10.3	7.2	0.47	
	17	17	11.5	7.2	0.51	
	18	14	11.2	7.2	0.53	
	19	14	9.8	7.3	0.48	
	20	14	9.5	7.1	0.48	
	21	18	8.6	7.1	0.42	
	22	23	10.2	7.2	0.47	
	23	19	10.3	7.2	0.44	
	24	17	10.3	7.0	0.48	
	25	14	10.4	7.1	0.41	
	26	12	10.4	7.2	0.41	
	27	13	8.5	7.3	0.39	
	28	15	8.5	7.1	0.37	475.99
	29					
	30					
	31					

	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	16.107142857		10.842857143		7.189285714		0.480714286		475.99	
	Daily Max	23		13		7.4		0.62		475.99	
	Daily Max - Variable										
	Daily Min	9		8.5		7		0.35		475.99	
	Week 1 Avg	15		11.428571429							
	Week 2 Avg	18		11.9							
	Week 3 Avg	15.285714286		10.242857143							
	Week 4 Avg	16.142857143		9.8							
Limit(s) in Effect	Monthly Avg	30	0	30	0			0.80	0		
	Daily Max					9	0				
	Daily Max - Variable										
	Daily Min					6	0				
	Weekly Avg	45	0	45	0						
QA/QC Information	LOD							0.01			
	LOQ							0.028			
	QC Exceedance	N		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	2.26	>34	<0.3000	3.8000	11.0000
	2	2.00	>34			
	3	2.00	>34			
	4	1.56	>34			
	5	1.64	>34			
	6	1.92	>34			
	7	1.91	>34			
	8	2.03	>34			
	9	1.88	>34			
	10	1.57	>34			
	11	1.44	>34			
	12	1.74	>34			
	13	1.70	>34			
	14	1.72	>34			
	15	1.86	>34			
	16	1.37	>34			
	17	1.09	>34			
	18	1.41	>34			
	19	1.64	>34			
	20	1.74	>34			
	21	0.90	>34			
	22	1.14	>34			
	23	1.56	>34			
	24	1.71	>34			
	25	1.25	>34			
	26	1.34	>34			
	27	1.22	>34			
	28	1.72	>34			
	29					
	30					
	31					

	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	1.618571429		>34		0		3.8		11	
	Daily Max	2.26		>34		<0.3		3.8		11	
	Daily Max - Variable	2.26									
	Daily Min	0.9		>34		<0.3		3.8		11	
	Week 1 Avg	1.898571429									
	Week 2 Avg	1.725714286									
	Week 3 Avg	1.43									
	Week 4 Avg	1.42									
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	0.04				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 OCCURNC
Sample Results	Day 1	<3.5000	13.0000	39.0000	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				
	30				
	31				

	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	13	39	0
	Daily Max	<3.5	13	39	0
	Daily Max - Variable				
	Daily Min	<3.5	13	39	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

Submitted by 73chev on 03/09/2022 8:35:58 AM