

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: 04/01/2022 - 04/30/2022
 Form Due Date: 05/21/2022
 Permit Number: 0023990

Date Received:
 DOC: 494224
 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	14.864	111	61	<0.3	7.9
	2	12.859	110	118		
	3	12.442	113	128		
	4	13.323	149	116		
	5	12.968	173	113		
	6	18.515	92	96		
	7	14.039	170	130		
	8	12.574	167	116		
	9	11.009	163	112		
	10	9.973	132	132		
	11	9.517	256	168		
	12	8.847	187	358		
	13	11.831	241	204		
	14	12.724	161	122		
	15	10.596	167	128		
	16	9.010	192	140		
	17	8.153	160	148		
	18	8.556	215	200		
	19	8.292	292	186		
	20	8.688	240	208		
	21	9.039	235	210		
	22	9.960	236	272		
	23	9.832	142	144		
	24	9.079	177	162		
	25	8.375	258	192		
	26	7.672	277	218		
	27	7.515	238	270		
	28	7.263	243	236		
	29	6.711	278	220		
	30	6.586	276	216		
	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	10.3604	195.0333333333	170.8	0	7.9
	Daily Max	18.515	292	358	<0.3	7.9
	Daily Max - Variable					
	Daily Min	6.586	92	61	<0.3	7.9
	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	53.0	5.8	27.0	64.0	14.864
	2					12.859
	3					12.442
	4					13.323
	5					12.968
	6					18.515
	7					14.039
	8					12.574
	9					11.009
	10					9.973
	11					9.517
	12					8.847
	13					11.831
	14					12.724
	15					10.596
	16					9.010
	17					8.153
	18					8.556
	19					8.292
	20					8.688
	21					9.039
	22					9.960
	23					9.832
	24					9.079
	25					8.375
	26					7.672
	27					7.515
	28					7.263
	29					6.711
	30					6.586
	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	53	5.8	27	64	10.3604
	Daily Max	53	5.8	27	64	18.515
	Daily Max - Variable					
	Daily Min	53	5.8	27	64	6.586
	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	11	6.2	7.5	0.21	
	2	7	5.0	7.4	0.30	
	3	8	4.1	7.4	0.18	
	4	12	5.5	7.4	0.26	
	5	13	5.4	7.5	0.28	
	6	15	5.8	7.3	0.18	
	7	9	4.0	7.4	0.14	
	8	11	4.5	7.3	0.15	
	9	8	4.2	7.3	0.15	
	10	7	4.0	7.4	0.15	
	11	9	3.7	7.3	0.15	
	12	9	4.5	7.3	0.15	
	13	8	3.8	7.4	0.15	
	14	11	4.6	7.0	0.16	
	15	9	3.8	7.3	0.13	
	16	8	4.3	7.0	0.15	
	17	8	3.0	7.3	0.13	
	18	8	4.2	7.3	0.19	
	19	7	4.0	7.3	0.28	
	20	6	4.2	7.1	0.15	
	21	5	3.0	7.3	0.13	
	22	5	5.2	7.4	0.17	
	23	5	4.3	7.4	0.15	
	24	5	4.0	7.4	0.15	
	25	5	4.3	7.4	0.14	
	26	6	5.2	7.4	0.17	
	27	6	5.0	7.4	0.15	
	28	7	5.8	7.3	0.21	
	29	7	5.2	7.4	0.20	
	30	7	4.7	7.3	0.22	459.89
	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	8.066666667		4.516666667		7.33		0.177666667		459.89	
	Daily Max	15		6.2		7.5		0.3		459.89	
	Daily Max - Variable										
	Daily Min	5		3		7		0.13		459.89	
	Week 1 Avg	10.714285714		5.142857143							
	Week 2 Avg	9		4.185714286							
	Week 3 Avg	7.285714286		3.785714286							
	Week 4 Avg	5.571428571		4.828571429							
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							0.005			
	LOQ							0.017			
	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	0.81	>34	<0.3000	<1.3000	10.0000
	2	0.52	>34			
	3	0.08	>34			
	4	1.56	>34			
	5	1.71	>34			
	6	1.83	>34			
	7	0.85	>34			
	8	1.20	>34			
	9	0.72	>34			
	10	0.94	>34			
	11	1.12	>34			
	12	0.85	>34			
	13	1.08	>34			
	14	1.79	>34			
	15	1.45	>34			
	16	1.31	>34			
	17	0.96	>34			
	18	0.49	>34			
	19	0.48	>34			
	20	0.29	>34			
	21	0.26	>34			
	22	0.28	>34			
	23	0.04	>34			
	24	0.03	>34			
	25	0.11	>34			
	26	0.14	>34			
	27	0.18	>34			
	28	0.30	>34			
	29	0.28	>34			
	30	0.26	>34			
	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	0.730666667		>34		0		0		10	
	Daily Max	1.83		>34		<0.3		<1.3		10	
	Daily Max - Variable	1.83									
	Daily Min	0.03		>34		<0.3		<1.3		10	
	Week 1 Avg	1.051428571									
	Week 2 Avg	1.1									
	Week 3 Avg	0.748571429									
	Week 4 Avg	0.154285714									
Limit(s) in Effect	Monthly Avg	19	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	0.06				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 OCCURNCCE
Sample Results	Day 1	5.2000	11.0000	19.0000	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				

	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	5.2		11		19		0	
	Daily Max	5.2		11		19		0	
	Daily Max - Variable								
	Daily Min	5.2		11		19		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

4-13-22 BOD Blank: A blank set up on 4/13/2022 failed. The failed blank was associated with sample date 4/12/2022 and had a depletion of 0.28 mg/L. The acceptable limit is 0.24 mg/L. The dilution jug was cleaned. The BOD blank for sample date 4/13/2022, set up on 4/14/2022, passed at 0.12 mg/L.
4-21-22 BOD Blank: A blank set up on 4/21/2022 failed. The failed blank was associated with sample date 4/20/2022 and had a depletion of 0.26 mg/L. The acceptable limit is 0.24 mg/L. The next BOD blank set up on 4/22/2022, for sample date 4/23/2022, passed at 0.16 mg/L.

Submitted by 73chev on 05/11/2022 8:46:13 AM