

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: 07/01/2022 - 07/31/2022
 Form Due Date: 08/21/2022
 Permit Number: 0023990

Date Received:
 DOC: 498869
 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	5.671	333	136	<0.3	21.0
	2	5.156	317	212		
	3	4.889	306	136		
	4	5.084	356	284		
	5	5.461	439	247		
	6	5.621	502	324		
	7	5.685	462	288		
	8	5.326	376	252		
	9	4.864	302	148		
	10	4.849	294	256		
	11	5.386	414	332		
	12	5.274	419	398		
	13	5.000	547	324		
	14	4.692	517	352		
	15	7.257	470	332		
	16	5.439	489	224		
	17	5.088	419	328		
	18	5.400	601	691		
	19	5.413	635	520		
	20	5.458	532	368		
	21	5.414	607	248		
	22	5.060	354	336		
	23	6.978	444	244		
	24	8.535	261	148		
	25	6.623	416	304		
	26	6.044	342	306		
	27	5.994	270	236		
	28	5.875	341	264		
	29	5.386	391	252		
	30	4.852	238	144		
	31	4.830	268	208		

	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	5.567870968	408.451612903	285.225806452	0	21
	Daily Max	8.535	635	691	<0.3	21
	Daily Max - Variable					
	Daily Min	4.692	238	136	<0.3	21
	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	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	81.0	6.0	22.0	109.0	5.671
	2					5.156
	3					4.889
	4					5.084
	5					5.461
	6					5.621
	7					5.685
	8					5.326
	9					4.864
	10					4.849
	11					5.386
	12					5.274
	13					5.000
	14					4.692
	15					7.257
	16					5.439
	17					5.088
	18					5.400
	19					5.413
	20					5.458
	21					5.414
	22					5.060
	23					6.978
	24					8.535
	25					6.623
	26					6.044
	27					5.994
	28					5.875
	29					5.386
	30					4.852
	31					4.830

	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	81	6	22	109	5.567870968
	Daily Max	81	6	22	109	8.535
	Daily Max - Variable					
	Daily Min	81	6	22	109	4.692
	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	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	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	5.7	4.8	7.4		0.25
	2	4.6	3.8	7.4		0.25
	3	4.4	4.7	7.4		0.22
	4	5.5	3.9	7.4		0.22
	5	5.0	3.6	7.4	24	0.20
	6	4.2	3.9	7.4		0.22
	7	5.8	5.6	7.4		0.25
	8	5.7	3.9	7.4		0.27
	9	6.2	4.3	7.5		0.27
	10	8.4	5.5	7.5		0.28
	11	7.9	5.1	7.4		0.27
	12	5.9	4.7	7.3	147	0.26
	13	4.3	4.4	7.4		0.27
	14	4.8	4.7	7.2		0.27
	15	10.0	5.4	7.4		0.29
	16	4.7	3.9	7.4		0.20
	17	4.5	3.5	7.6		0.18
	18	5.2	3.7	7.5		0.19
	19	5.5	3.8	7.5	196	0.20
	20	5.2	3.7	7.5		0.20
	21	9.8	4.2	7.5		0.23
	22	10.3	6.6	7.4		0.31
	23	5.8	6.6	7.3		0.31
	24	5.3	5.0	7.3		0.20
	25	5.8	4.6	7.3		0.22
	26	4.7	5.5	7.4	142	0.24
	27	3.9	4.0	6.9		0.15
	28	5.6	4.1	7.4		0.18
	29	5.7	5.1	7.4		0.19
	30	6.4	5.9	7.3		0.27
	31	6.6	4.9	7.4		0.23

	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	5.916129032		4.625806452		7.387096774		127.25		0.23516129	
	Daily Max	10.3		6.6		7.6		196		0.31	
	Daily Max - Variable										
	Daily Min	3.9		3.5		6.9		24		0.15	
	Geometric Mean -							99.544724286			
	Geometric Mean -							142			
	Week 1 Avg	5.028571429		4.328571429							
	Week 2 Avg	6.171428571		4.657142857							
	Week 3 Avg	6.414285714		4.028571429							
	Week 4 Avg	5.914285714		5.2							
Limit(s) in Effect	Monthly Avg	30	0	30	0					0.80	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									0.005	
	LOQ									0.017	
	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	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		0.27	>34	0.3000	1.7000
	2		0.47	>34		
	3		0.46	>34		
	4		0.37	>34		
	5		0.20	>34		
	6		0.14	>34		
	7		0.13	>34		
	8		0.17	>34		
	9		0.44	>34		
	10		0.47	>34		
	11		0.31	>34		
	12		0.17	>34		
	13		0.14	>34		
	14		0.25	>34		
	15		1.38	>34		
	16		0.35	>34		
	17		0.25	>34		
	18		0.34	>34		
	19		0.23	>34		
	20		0.59	>34		
	21		3.12	>34		
	22		1.49	>34		
	23		0.16	>34		
	24		0.12	>34		
	25		0.04	>34		
	26		0.12	>34		
	27		0.18	>34		
	28		0.12	>34		
	29		0.22	>34		
	30		0.51	>34		
	31		338.01	0.36	>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	338.01	0.437741935	>34	0.3	1.7
	Daily Max	338.01	3.12	>34	0.3	1.7
	Daily Max - Variable		3.12			
	Daily Min	338.01	0.04	>34	0.3	1.7
	Geometric Mean -					
	Geometric Mean -					
	Week 1 Avg		0.291428571			
	Week 2 Avg		0.278571429			
	Week 3 Avg		0.894285714			
	Week 4 Avg		0.318571429			
Limit(s) in Effect	Monthly Avg		6.10	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		0.06		1	4.3
	QC Exceedance	N	N	N	N	N
	Lab Certification		420004860		445023150	445023150

	Sample Point	003	003	003	003	003
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	147	264	315	553	391
	Description	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	E. coli
	Units	ug/L	ug/L	ug/L	ug/L	#/100ml
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	GRAB
	Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	WEEKLY
Sample Results	Day 1	7.8000	<3.5000	8.2000	29.0000	
	2					
	3					
	4					
	5					98.5
	6					
	7					
	8					
	9					
	10					
	11					
	12					387.3
	13					
	14					
	15					
	16					
	17					
	18					
	19					648.8
	20					
	21					
	22					
	23					
	24					
	25					
	26					488.4
	27					
	28					
	29					
	30					
	31					

	Sample Point	003	003	003	003	003
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	147	264	315	553	391
	Description	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	E. coli
	Units	ug/L	ug/L	ug/L	ug/L	#/100ml
Summary Values	Monthly Avg	7.8	0	8.2	29	405.75
	Daily Max	7.8	<3.5	8.2	29	648.8
	Daily Max - Variable					
	Daily Min	7.8	<3.5	8.2	29	98.5
	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	2.2	
	LOQ	2.7	12	4.3	7.3	
	QC Exceedance	N	N	N	N	N
	Lab Certification	445023150	445023150	445023150	445023150	

	Sample Point	199
	Description	In-Plant Blending
	Parameter	211
	Description	Flow Rate
	Units	MGD
	Sample Type	CALCULATED
	Frequency	PER OCCURRNCE
Sample Results	Day 1	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	199	
	Description	In-Plant Blending	
	Parameter	211	
	Description	Flow Rate	
	Units	MGD	
Summary Values	Monthly Avg	0	
	Daily Max	0	
	Daily Max - Variable		
	Daily Min	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		
	LOQ		
	QC Exceedance		
	Lab Certification		

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 08/11/2022 7:35:52 AM