

# 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: 03/01/2022 - 03/31/2022  
 Form Due Date: 04/21/2022  
 Permit Number: 0023990

Date Received:  
 DOC: 485786  
 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	5.095	316	230	0.3	22.0
	2	4.825	398	332		
	3	4.723	648	283		
	4	4.623	527	260		
	5	11.012	323	296		
	6	9.147	179	132		
	7	7.298	275	208		
	8	6.851	274	230		
	9	6.279	299	256		
	10	6.111	274	180		
	11	5.744	324	240		
	12	5.194	354	208		
	13	5.242	286	192		
	14	5.958	344	312		
	15	5.791	429	322		
	16	6.168	336	236		
	17	6.416	377	272		
	18	8.849	283	228		
	19	12.138	171	148		
	20	9.824	157	129		
	21	8.942	224	196		
	22	9.690	266	204		
	23	18.951	138	143		
	24	13.857	128	120		
	25	11.454	165	132		
	26	9.786	143	124		
	27	8.651	193	135		
	28	8.365	217	200		
	29	8.069	205	182		
	30	14.895	203	184		
	31	21.721	82	89		

	<b>Sample Point</b>	703	703	703	703	703
	<b>Description</b>	Influent	Influent	Influent	Influent	Influent
	<b>Parameter</b>	211	66	457	87	133
	<b>Description</b>	Flow Rate	BOD5, Total	Suspended Solids, Total	Cadmium, Total Recoverable	Chromium, Total Recoverable
	<b>Units</b>	MGD	mg/L	mg/L	ug/L	ug/L
<b>Summary Values</b>	<b>Monthly Avg</b>	8.763516129	275.419354839	206.548387097	0.3	22
	<b>Daily Max</b>	21.721	648	332	0.3	22
	<b>Daily Max - Variable</b>					
	<b>Daily Min</b>	4.623	82	89	0.3	22
	<b>Week 1 Avg</b>					
	<b>Week 2 Avg</b>					
	<b>Week 3 Avg</b>					
	<b>Week 4 Avg</b>					
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					
	<b>Daily Max</b>					
	<b>Daily Max - Variable</b>					
	<b>Daily Min</b>					
	<b>Weekly Avg</b>					
<b>QA/QC Information</b>	<b>LOD</b>				0.3	1.3
	<b>LOQ</b>				1	4.3
	<b>QC Exceedance</b>	N	N	N	N	N
	<b>Lab Certification</b>		420004860	420004860	445023150	445023150

	<b>Sample Point</b>	703	703	703	703	003
	<b>Description</b>	Influent	Influent	Influent	Influent	Effluent
	<b>Parameter</b>	147	264	315	553	211
	<b>Description</b>	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Rate
	<b>Units</b>	ug/L	ug/L	ug/L	ug/L	MGD
	<b>Sample Type</b>	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	TOT DAILY
	<b>Frequency</b>	MONTHLY	MONTHLY	MONTHLY	MONTHLY	DAILY
<b>Sample Results</b>	<b>Day 1</b>	96.0	12.0	32.0	147.0	5.095
	<b>2</b>					4.825
	<b>3</b>					4.723
	<b>4</b>					4.623
	<b>5</b>					11.012
	<b>6</b>					9.147
	<b>7</b>					7.298
	<b>8</b>					6.851
	<b>9</b>					6.279
	<b>10</b>					6.111
	<b>11</b>					5.744
	<b>12</b>					5.194
	<b>13</b>					5.242
	<b>14</b>					5.958
	<b>15</b>					5.791
	<b>16</b>					6.168
	<b>17</b>					6.416
	<b>18</b>					8.849
	<b>19</b>					12.138
	<b>20</b>					9.824
	<b>21</b>					8.942
	<b>22</b>					9.690
	<b>23</b>					18.951
	<b>24</b>					13.857
	<b>25</b>					11.454
	<b>26</b>					9.786
	<b>27</b>					8.651
	<b>28</b>					8.365
	<b>29</b>					8.069
	<b>30</b>					14.895
	<b>31</b>					21.721

	<b>Sample Point</b>	703	703	703	703	003
	<b>Description</b>	Influent	Influent	Influent	Influent	Effluent
	<b>Parameter</b>	147	264	315	553	211
	<b>Description</b>	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Rate
	<b>Units</b>	ug/L	ug/L	ug/L	ug/L	MGD
<b>Summary Values</b>	<b>Monthly Avg</b>	96	12	32	147	8.763516129
	<b>Daily Max</b>	96	12	32	147	21.721
	<b>Daily Max - Variable</b>					
	<b>Daily Min</b>	96	12	32	147	4.623
	<b>Week 1 Avg</b>					
	<b>Week 2 Avg</b>					
	<b>Week 3 Avg</b>					
	<b>Week 4 Avg</b>					
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					
	<b>Daily Max</b>					
	<b>Daily Max - Variable</b>					
	<b>Daily Min</b>					
	<b>Weekly Avg</b>					
<b>QA/QC Information</b>	<b>LOD</b>	0.8	3.5	1.3	2.2	
	<b>LOQ</b>	2.7	12	4.3	7.3	
	<b>QC Exceedance</b>					
	<b>Lab Certification</b>	445023150	445023150	445023150	445023150	

	<b>Sample Point</b>	003	003	003	003	003
	<b>Description</b>	Effluent	Effluent	Effluent	Effluent	Effluent
	<b>Parameter</b>	66	457	377	388	388
	<b>Description</b>	BOD5, Total	Suspended Solids, Total	pH Field	Phosphorus, Total	Phosphorus, Total
	<b>Units</b>	mg/L	mg/L	mg/L	mg/L	lbs/month
	<b>Sample Type</b>	24 HR FLOW PROP	24 HR FLOW PROP	GRAB	24 HR FLOW PROP	CALCULATED
	<b>Frequency</b>	DAILY	DAILY	DAILY	DAILY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>	16	7.3	7.2	0.37	
	<b>2</b>	14	9.1	7.3	0.38	
	<b>3</b>	16	10.0	7.2	0.41	
	<b>4</b>	14	7.6	7.2	0.30	
	<b>5</b>	25	10.0	7.1	0.39	
	<b>6</b>	13	10.0	6.8	0.32	
	<b>7</b>	15	8.4	6.9	0.28	
	<b>8</b>	18	6.6	7.1	0.25	
	<b>9</b>	17	7.2	7.2	0.32	
	<b>10</b>	16	7.8	7.2	0.32	
	<b>11</b>	15	8.2	7.2	0.28	
	<b>12</b>	16	8.0	7.2	0.27	
	<b>13</b>	13	7.2	7.1	0.31	
	<b>14</b>	12	7.6	7.0	0.33	
	<b>15</b>	17	8.6	7.2	0.38	
	<b>16</b>	16	9.2	7.2	0.36	
	<b>17</b>	25	7.8	7.5	0.38	
	<b>18</b>	24	10.4	7.7	0.34	
	<b>19</b>	23	14.8	7.8	0.96	
	<b>20</b>	16	9.4	7.5	0.32	
	<b>21</b>	22	8.8	7.3	0.33	
	<b>22</b>	16	9.0	7.5	0.32	
	<b>23</b>	23	10.8	7.3	0.40	
	<b>24</b>	15	8.2	7.6	0.32	
	<b>25</b>	13	7.8	7.7	0.29	
	<b>26</b>	9	6.8	7.7	0.22	
	<b>27</b>	7	5.4	7.6	0.23	
	<b>28</b>	12	6.8	7.6	0.27	
	<b>29</b>	12	8.3	7.4	0.31	
	<b>30</b>	20	8.6	7.5	0.33	
	<b>31</b>	20	10.0	7.4	0.37	779.08

	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		
<b>Summary Values</b>	<b>Monthly Avg</b>	16.451612903		8.570967742		7.329032258		0.343870968		779.08	
	<b>Daily Max</b>	25		14.8		7.8		0.96		779.08	
	<b>Daily Max - Variable</b>										
	<b>Daily Min</b>	7		5.4		6.8		0.22		779.08	
	<b>Week 1 Avg</b>	16.142857143		8.914285714							
	<b>Week 2 Avg</b>	15.285714286		7.514285714							
	<b>Week 3 Avg</b>	20.428571429		9.857142857							
	<b>Week 4 Avg</b>	13.571428571		7.828571429							
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	30	0	30	0			0.80	0		
	<b>Daily Max</b>					9	0				
	<b>Daily Max - Variable</b>										
	<b>Daily Min</b>					6	0				
	<b>Weekly Avg</b>	45	0	45	0						
<b>QA/QC Information</b>	<b>LOD</b>							0.01			
	<b>LOQ</b>							0.028			
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>	420004860		420004860				420004860			

	<b>Sample Point</b>	003	003	003	003	003
	<b>Description</b>	Effluent	Effluent	Effluent	Effluent	Effluent
	<b>Parameter</b>	789	320	87	133	147
	<b>Description</b>	Nitrogen, Ammonia (NH3-N) Total	Nitrogen, Ammonia Variable Limit	Cadmium, Total Recoverable	Chromium, Total Recoverable	Copper, Total Recoverable
	<b>Units</b>	mg/L	mg/L	ug/L	ug/L	ug/L
	<b>Sample Type</b>	24 HR FLOW PROP	SEE TABLE	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	<b>Frequency</b>	DAILY	DAILY	MONTHLY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>	1.54	>34	<0.3000	2.4000	13.0000
	<b>2</b>	2.28	>34			
	<b>3</b>	1.53	>34			
	<b>4</b>	0.62	>34			
	<b>5</b>	0.96	>34			
	<b>6</b>	1.50	>34			
	<b>7</b>	0.77	>34			
	<b>8</b>	1.26	>34			
	<b>9</b>	3.04	>34			
	<b>10</b>	0.55	>34			
	<b>11</b>	0.54	>34			
	<b>12</b>	0.81	>34			
	<b>13</b>	0.68	>34			
	<b>14</b>	0.34	>34			
	<b>15</b>	1.35	>34			
	<b>16</b>	2.30	>34			
	<b>17</b>	1.10	34			
	<b>18</b>	1.39	24			
	<b>19</b>	1.13	20			
	<b>20</b>	1.24	34			
	<b>21</b>	2.28	>34			
	<b>22</b>	1.05	34			
	<b>23</b>	2.14	>34			
	<b>24</b>	1.12	29			
	<b>25</b>	0.78	24			
	<b>26</b>	0.19	24			
	<b>27</b>	0.14	29			
	<b>28</b>	0.17	29			
	<b>29</b>	0.64	>34			
	<b>30</b>	3.34	34			
	<b>31</b>	1.34	>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			
<b>Summary Values</b>	<b>Monthly Avg</b>	1.229677419		>32.096774194		0		2.4		13	
	<b>Daily Max</b>	3.34		>34		<0.3		2.4		13	
	<b>Daily Max - Variable</b>	3.34									
	<b>Daily Min</b>	0.14		20		<0.3		2.4		13	
	<b>Week 1 Avg</b>	1.314285714									
	<b>Week 2 Avg</b>	1.031428571									
	<b>Week 3 Avg</b>	1.541428571									
	<b>Week 4 Avg</b>	0.798571429									
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	22	0								
	<b>Daily Max</b>										
	<b>Daily Max - Variable</b>	0	0								
	<b>Daily Min</b>										
	<b>Weekly Avg</b>	34	0								
<b>QA/QC Information</b>	<b>LOD</b>	0.02				0.3		1.3		0.8	
	<b>LOQ</b>	0.04				1		4.3		2.7	
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>	420004860				445023150		445023150		445023150	



	<b>Sample Point</b>	003	003	003	199
	<b>Description</b>	Effluent	Effluent	Effluent	In-Plant Blending
	<b>Parameter</b>	264	315	553	211
	<b>Description</b>	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Rate
	<b>Units</b>	ug/L	ug/L	ug/L	MGD
	<b>Sample Type</b>	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED
	<b>Frequency</b>	MONTHLY	MONTHLY	MONTHLY	PER OCCURNC
<b>Sample Results</b>	<b>Day 1</b>	4.3000	12.0000	32.0000	0.00
	<b>2</b>				0.00
	<b>3</b>				0.00
	<b>4</b>				0.00
	<b>5</b>				0.00
	<b>6</b>				0.00
	<b>7</b>				0.00
	<b>8</b>				0.00
	<b>9</b>				0.00
	<b>10</b>				0.00
	<b>11</b>				0.00
	<b>12</b>				0.00
	<b>13</b>				0.00
	<b>14</b>				0.00
	<b>15</b>				0.00
	<b>16</b>				0.00
	<b>17</b>				0.00
	<b>18</b>				0.00
	<b>19</b>				0.00
	<b>20</b>				0.00
	<b>21</b>				0.00
	<b>22</b>				0.00
	<b>23</b>				0.00
	<b>24</b>				0.00
	<b>25</b>				0.00
	<b>26</b>				0.00
	<b>27</b>				0.00
	<b>28</b>				0.00
	<b>29</b>				0.00
	<b>30</b>				0.00
	<b>31</b>				0.00

	<b>Sample Point</b>	003		003		003		199	
	<b>Description</b>	Effluent		Effluent		Effluent		In-Plant Blending	
	<b>Parameter</b>	264		315		553		211	
	<b>Description</b>	Lead, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable		Flow Rate	
	<b>Units</b>	ug/L		ug/L		ug/L		MGD	
<b>Summary Values</b>	<b>Monthly Avg</b>	4.3		12		32		0	
	<b>Daily Max</b>	4.3		12		32		0	
	<b>Daily Max - Variable</b>								
	<b>Daily Min</b>	4.3		12		32		0	
	<b>Week 1 Avg</b>								
	<b>Week 2 Avg</b>								
	<b>Week 3 Avg</b>								
	<b>Week 4 Avg</b>								
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>								
	<b>Daily Max</b>								
	<b>Daily Max - Variable</b>								
	<b>Daily Min</b>								
	<b>Weekly Avg</b>								
<b>QA/QC Information</b>	<b>LOD</b>	3.5		1.3		2.2			
	<b>LOQ</b>	12		4.3		7.3			
	<b>QC Exceedance</b>	N		N		N		N	
	<b>Lab Certification</b>	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 04/13/2022 10:16:05 AM