

January 16, 2018

Mr. Conor Neal  
Geologist  
EPA Region 5  
Land & Chemicals Division  
77 West Jackson Blvd, LU-9J  
Chicago, IL 60604-3590

Subject: Quarterly Progress Report (October through December 2017)  
Administrative Order on Consent (February 26, 2009)  
Tyco Fire Products LP  
Stanton Street Facility  
Marinette, Wisconsin  
WID 006 125 215

Dear Mr. Neal:

Section VI, 21, b (Page 10) of the Administrative Order on Consent (AOC), dated February 26, 2009, requires Tyco Fire Products LP (Tyco) to submit quarterly progress reports to the U.S. Environmental Protection Agency (USEPA) Region 5 and the Wisconsin Department of Natural Resources (WDNR). The reports are required to document activities conducted as part of the Resource Conservation and Recovery Act (RCRA) Corrective Actions at the Tyco facility in Marinette, Wisconsin. The enclosed report covers the period from October 1, 2017 through December 31, 2017, and presents a brief description of the work completed to date, data collected, problems encountered, and schedule of activities as required by the February 2009 AOC.

### **Work Completed During this Reporting Period**

Operation of the groundwater collection and treatment system (GWCTS) continued through the fourth quarter of 2017. A summary of the operational data is included as Attachment 1. The Discharge Monitoring Reports (DMRs) are included in Attachment 2.

The third of four rounds of the surface water sampling was completed on November 9, 2017 by Ryan Suennen and Jeff Danko. Results from the event, a figure depicting sample locations, and a cumulative table of the results thus far are included in Attachment 3. The fourth and final required surface water sampling event will be completed after the ice has vacated the river.

Rehabilitation of the storm sewer lines occurred in October and November 2017. Cure in Place Pipe (CIPP) lining of damaged pipes and grout lining of catch basins took place consistent with Tyco's proposed repairs. A limited number of catch basins were selected to be grouted on the exterior side of the catch basin and these repairs will be completed after the spring thaw. Upon completion, Tyco will re-sample the previously agreed upon catch basins to ensure the rehabilitation was successful.

Abandonment of underground conveyance piping associated with stormwater outfalls 5 and 6 were abandoned. Modifications, consistent with the proposed stormwater improvements for this area, were substantially completed during the reporting period.

Pump down operations continued in the former Salt Vault and 8<sup>th</sup> Street Slip area through October 9, 2017 as which time the remaining recovered groundwater was transported from the site and the system temporarily decommissioned/ disassembled for the winter period. Details of the pump down operations for 2017 were reported to the agencies in the “2017 Pump Down Program Summary Report”, dated December 6, 2017.

### **Additional Activities**

A meeting was held on December 20, 2017 at the CH2MHill/Jacobs office in Milwaukee to discuss the Dye Test Pilot Study and Pump Down Program status/ Tyco’s proposed path forward to address a permanent approach to management of the area.

### **Data Collected**

Extraction and treatment volumes, analytical testing, and discharge data are required as part of the Wisconsin Pollutant Discharge and Elimination System (WPDES) permits obtained from WDNR for operation of the GWCTS. The GWCTS operates under permit WPDES WI-0001040-07-0. Attachment 2 includes the monthly WPDES DMRs for September 2017 through November 2017 for the GWCTS. Additional data on the operation of the GWCTS is included in Attachment 1.

Groundwater elevation data were collected from monitoring wells located in the former 8<sup>th</sup> Street Slip and Salt Vault as part of the pump down program. This information will be included in the annual report.

Groundwater elevation data recorded by installed transducers was downloaded on the week of October 16, 2017 and is under evaluation. Transducers collect data hourly. The site-wide data will be provided in the annual report.

### **Problems Encountered**

The GWCTS experienced exceedances of Arsenic criteria during the third and fourth weeks of December. The system was immediately shut down upon discovery of the first exceedance and an investigation into the cause was initiated. Upon review of data it was found that during a cleaning of the RO units, the valves were inadvertently set to allow discharge from the Brine RO unit to the permeate tank rather than being recycled back into the system. During the replacement of the first 2 Brine RO membranes it was also discovered that an o-ring seal was missing and likely caused the exceedances.

## Schedule of Upcoming Activities

The following is a summary of activities to be conducted during the next reporting period.

- Submit the quarterly progress report.
- Complete transducer data download.
- Collect additional round of surface water samples.
- Submit PDP Work Plan and Infiltration Root Cause Analysis
- Collect samples from storm sewers upon completion of storm sewer improvements.
- Revise SPCC and SWPPP to reflect changes in storm water management.

## List of Key Correspondence and Document Submittals

Table 1

Documents Submitted

*Quarterly Progress Report (October through December 2017), Tyco Fire Products LP Facility, Marinette, Wisconsin*

Description of Submittal	Submitted To	Date Submitted
Quarterly Progress Report	USEPA	October 16, 2017
2018-2027 Cost Estimate	USEPA	December 7, 2017
PDP Summary Report	USEPA	December 6, 2017
Extension Request – Root Cause Analysis and Pump Down Work Plan	USEPA	December 17, 2017
Meeting Agenda	USEPA	December 19, 2017
Meeting Presentations	USEPA	December 21, 2017
PDP Winter Operation and Optimization Plan	USEPA	December 22, 2017

Table 2

Correspondence from Agency

*Quarterly Progress Report (October through December 2017) Tyco Fire Products LP Facility, Marinette, Wisconsin*

Description of Correspondence	Received From	Date Received
Letter on PDP Technical Impracticability	USEPA	November 28, 2017
USEPA Extension Request Approval - email	USEPA	December 21, 2017

Please contact me at 715-587-6670 if you have any questions or require additional information.

Respectfully Yours,

Tyco Fire Products LP

*Ryan Suennen*

Ryan Suennen

Environmental Field Projects

**Attachments**

- 1 GWCTS Operation Summary
- 2 DMRs for the GWCTS
- 3 Surface Water Sample Results

cc: Angela Carey, WDNR  
Jim Killian, WDNR  
Joe Janeczek, Johnson Controls  
Rich Mator, Johnson Controls  
Scott Stacy, Tyco Fire Products LP  
Jeff Danko, Tyco  
Muriel Carter, Stephenson Public Library  
Document Control No.: 20180116 US10.11014

**Attachment 1**  
**GWCTS Operation Summary**

# Groundwater Collection and Treatment System Operation

SUBJECT: Groundwater Collection and Treatment System Operation for Tyco Fire Products LP, Marinette, Wisconsin

DATE: December 13, 2017

Operation of the groundwater collection and treatment system (GWCTS) occurring from October 1, 2017 through December 31, 2017 is summarized below:

- The GWCTS operated for 19 days in October, 19 days in November, and 20 days in December, for a total of 58 days.
- Approximately 210,900 gallons of reject water was produced during system operations and subsequently disposed of offsite.
- The precipitation recorded from the weather station in Marinette, Wisconsin as 6.22 inches of rain. (<https://www.ncdc.noaa.gov/cdo-web/datasets/GHCND/stations/GHCND:USC00475091/detail>).
- An estimated total of 450,673 gallons was discharged to the Menominee River as effluent under WPDES permit.
- An estimated total of 574,630 gallons of groundwater were extracted (not including volumes extracted as part of the pump down program) from the site during the reporting period. Details of water volumes extracted from each area of the site and changes in water levels are shown in the Table 1 below.

Table 1 - Extraction Well Data Summary

Extraction Well	Gallons Run Q4 2017 (10/01/2017-12/31/2017)	Gallons Run Q4 2016 (10/01/2016-12/31/2016)
EW-1	65,669	26,818
EW-2	56	396
EW-3	2,196	3,476
EW-4	4,143	5,798
EW-5	42,190	111,911
EW-6	307,897	189,252
EW-7	152,479	102,836
Total	574,630	440,487

**Attachment 2**  
**DMRs**



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- 416050

Facility Name

TYCO FIRE PROTECTION PRODUCTS LP

Form Type

Wastewater Discharge Monitoring Long Report

DOC ID

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I certify under penalty of law that this form submitted to DNR on 10/20/2017 for the period 9/1/2017 to 9/30/2017 and identified by the DOC ID number listed above was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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**Wastewater Discharge Monitoring Long Report**

**For DNR Use Only**

Facility Name: TYCO FIRE PROTECTION PRODUCTS LP  
 Contact Address: One Stanton Street  
 Marinette, WI 54143  
 Facility Contact: Judith Rost, Sr Lab Tech  
 Phone Number: (715) 735-7411  
 Reporting Period: 09/01/2017 - 09/30/2017  
 Form Due Date: 10/21/2017  
 Permit Number: 0001040

Date Received:	
DOC:	385577
FIN:	7245
FID:	438039470
Region:	Northeast Region
Permit Drafter:	Trevor J Moen
Reviewer:	Mark F. Stanek
Office:	Oshkosh

Sample Point	001	703	001	001	001	
Description	PRIOR TO MENOMINEE RIVER	Intake Water Monitoring	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	
Parameter	211	280	487	374	373	
Description	Flow Rate	Mercury, Total Recoverable	Temperature	pH (Minimum)	pH (Maximum)	
Units	MGD	ng/L	degF	su	su	
Sample Type	CONTINUOUS	GRAB	GRAB	CONTINUOUS	CONTINUOUS	
Frequency	DAILY	MONTHLY	MONTHLY	DAILY	DAILY	
Sample Results	Day 1	0.08445		78	6.8	6.9
	2	0.04343		75	6.2	7.0
	3	0.00533		88	6.7	7.2
	4	0.01377		80	6.9	7.5
	5	0.13575		87	6.9	7.1
	6	0.17252		76	6.6	7.0
	7	0.17573		75	6.6	6.9
	8	0.08262		77	6.7	7.2
	9	0.00923		76	7.2	7.6
	10	0.01922		76	7.2	7.6
	11	0.14306		77	6.8	7.6
	12	0.14670		79	6.8	7.8
	13	0.14136		79	7.5	7.8
	14	0.14417	6.3	78	7.6	7.8
	15	0.12397		78	7.6	7.8
	16	0.04674		78	7.7	8.1
	17	0.13426		76	7.2	8.8
	18	0.14781		76	7.2	7.6
	19	0.13660		80	7.3	7.8
	20	0.14171		81	7.4	7.8
	21	0.14548		81	7.2	7.5
	22	0.13372		83	7.1	7.6
	23	0.04972		79	7.4	7.7
	24	0.02702		82	7.6	8.2
	25	0.15580		81	7.3	7.8
	26	0.16184		82	7.2	7.7
	27	0.16399		79	7.3	7.7
	28	0.14129		79	7.3	7.6
	29	0.12967		78	7.3	7.8
	30	0.00539		74	7.5	8.0
	31					

	Sample Point	001	703	001	001	001
	Description	PRIOR TO MENOMINEE RIVER	Intake Water Monitoring	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER
	Parameter	211	280	487	374	373
	Description	Flow Rate	Mercury, Total Recoverable	Temperature	pH (Minimum)	pH (Maximum)
	Units	MGD	ng/L	degF	su	su
<b>Summary Values</b>	<b>Monthly Avg</b>	0.105411667	6.3	78.933333333	7.136666667	7.616666667
	<b>Monthly Total</b>					
	<b>Daily Max</b>	0.17573	6.3	88	7.7	8.8
	<b>Daily Min</b>	0.00533	6.3	74	6.2	6.9
	<b>Rolling 12 Month Avg</b>					
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					
	<b>Monthly Total</b>					
	<b>Daily Max</b>					11 0
	<b>Daily Min</b>				4 0	
	<b>Rolling 12 Month Avg</b>					
<b>QA/QC Information</b>	<b>LOD</b>		0.5			
	<b>LOQ</b>		0.2			
	<b>QC Exceedance</b>	N	N	N	N	N
	<b>Lab Certification</b>		721026460			

	Sample Point	001	001	001	001	001
	Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER
	Parameter	379	376	388	231	35
	Description	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Phosphorus, Total	Hardness, Total as CaCO3	Arsenic, Total Recoverable
	Units	minutes	Number	mg/L	mg/L	ug/L
	Sample Type	CONTINUOUS	CONTINUOUS	24 HR COMP	24 HR COMP	24 HR COMP
	Frequency	DAILY	DAILY	WEEKLY	MONTHLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5			0.078	280	53
	6					
	7					
	8					
	9					
	10					
	11			1.7	130	42
	12					
	13					
	14					
	15					
	16					
	17					
	18			0.37	200	200
	19					
	20					
	21					
	22					
	23					
	24					
	25			0.14	160	46
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER	
	Parameter	379		376		388		231		35	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes		Phosphorus, Total		Hardness, Total as CaCO3		Arsenic, Total Recoverable	
	Units	minutes		Number		mg/L		mg/L		ug/L	
<b>Summary Values</b>	Monthly Avg					0.572		192.5		85.25	
	Monthly Total										
	Daily Max					1.7		280		200	
	Daily Min					0.078		130		42	
	Rolling 12 Month Avg					0.3					
<b>Limit(s) in Effect</b>	Monthly Avg										
	Monthly Total	446	0								
	Daily Max			0	0					680	0
	Daily Min										
	Rolling 12 Month Avg					1	0				
<b>QA/QC Information</b>	LOD					0.024				2.1	
	LOQ					0.05				5	
	QC Exceedance	N		N		N		N		N	
	Lab Certification					999580010		999580010		999580010	

Sample Point	001	001	001	001	001	
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	
Parameter	35	147	147	87	152	
Description	Arsenic, Total Recoverable	Copper, Total Recoverable	Copper, Total Recoverable	Cadmium, Total Recoverable	Cyanide, Amenable	
Units	lbs/day	ug/L	lbs/day	ug/L	ug/L	
Sample Type	CALCULATED	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	
Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	
Sample Results	Day 1					
	2					
	3					
	4					
	5	0.05989	13	0.01469	<0.49	<3.0
	6					
	7					
	8					
	9					
	10					
	11	0.04998	31	0.03689	<0.49	
	12					
	13					
	14					
	15					
	16					
	17					
	18	0.246	12	0.01476	<0.49	
	19					
	20					
	21					
	22					
	23					
	24					
	25	0.0598	13	0.0598	<0.49	
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER	
	Parameter	35		147		147		87		152	
	Description	Arsenic, Total Recoverable		Copper, Total Recoverable		Copper, Total Recoverable		Cadmium, Total Recoverable		Cyanide, Amenable	
	Units	lbs/day		ug/L		lbs/day		ug/L		ug/L	
<b>Summary Values</b>	Monthly Avg	0.1039175		17.25		0.031535		0		0	
	Monthly Total										
	Daily Max	0.246		31		0.0598		<0.49		<3	
	Daily Min	0.04998		12		0.01469		<0.49		<3	
	Rolling 12 Month Avg										
<b>Limit(s) in Effect</b>	Monthly Avg										
	Monthly Total										
	Daily Max	12	0	69	0	0.98	0				
	Daily Min										
	Rolling 12 Month Avg										
<b>QA/QC Information</b>	LOD			1.7				0.49		3	
	LOQ			5				1		10	
	QC Exceedance	N		N		N		N		N	
	Lab Certification			999580010				999580010		999580010	

Sample Point	001	001	101	101	101	
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	
Parameter	112	280	211	457	342	
Description	Chlorine, Total Residual	Mercury, Total Recoverable	Flow Rate	Suspended Solids, Total	Oil & Grease (Freon)	
Units	ug/L	ng/L	MGD	mg/L	mg/L	
Sample Type	GRAB	GRAB	CONTINUOUS	24 HR COMP	GRAB	
Frequency	MONTHLY	MONTHLY	DAILY	DAILY	2/WEEK	
Sample Results	Day 1		0.011258	15.0		
	2					
	3					
	4					
	5			0.036415	23.3	1.9
	6			0.039296	8.0	12.7
	7			0.029097	5.5	
	8			0.024077	11.5	1.5
	9					
	10					
	11			0.030035	11.8	5.9
	12			0.024415	5.0	
	13			0.028597	2.0	
	14		3.9	0.032651	2.0	
	15			0.022087	4.0	
	16			0.004717	8.4	
	17					
	18	20		0.030915	5.2	2.5
	19			0.037249	2.1	6.3
	20			0.028410	3.4	
	21			0.036943	3.6	
	22			0.027260	3.8	2.0
	23			0.009605	9.3	
	24					
	25			0.037029	4.3	2.4
	26			0.028877	2.5	
	27			0.037214	1.7	
	28			0.015293	4.0	
	29			0.021596	3.5	
	30			0.009149	10.0	
	31					



	Sample Point	001	001	101	101	101		
	Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent		
	Parameter	112	280	211	457	342		
	Description	Chlorine, Total Residual	Mercury, Total Recoverable	Flow Rate	Suspended Solids, Total	Oil & Grease (Freon)		
	Units	ug/L	ng/L	MGD	mg/L	mg/L		
<b>Summary Values</b>	Monthly Avg	20	3.9	0.026181957	6.517391304	4.4		
	Monthly Total							
	Daily Max	20	3.9	0.039296	23.3	12.7		
	Daily Min	20	3.9	0.004717	1.7	1.5		
	Rolling 12 Month Avg							
<b>Limit(s) in Effect</b>	Monthly Avg				31	0	26	0
	Monthly Total							
	Daily Max				60	0	52	0
	Daily Min							
	Rolling 12 Month Avg							
<b>QA/QC Information</b>	LOD	30	0.2			1.4		
	LOQ	100	0.5			5.5		
	QC Exceedance	N	N	N	N	N		
	Lab Certification		721026460		438039470	999580010		

	<b>Sample Point</b>	101	101	101	101	101
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	<b>Parameter</b>	87	133	315	553	155
	<b>Description</b>	Cadmium, Total Recoverable	Chromium, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Cyanide, Total
	<b>Units</b>	ug/L	ug/L	ug/L	ug/L	ug/L
	<b>Sample Type</b>	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	GRAB
	<b>Frequency</b>	2/WEEK	MONTHLY	2/WEEK	2/WEEK	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>	<0.49	<2.2	3.4	89	
	<b>2</b>					
	<b>3</b>					
	<b>4</b>					
	<b>5</b>	<0.49	<2.2	4.5	120	<3.0
	<b>6</b>					
	<b>7</b>					
	<b>8</b>	<0.49	<2.2	1.5	72	
	<b>9</b>					
	<b>10</b>					
	<b>11</b>	<0.49	<2.2	5.7	39	
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>	<0.49	<2.2	4.3	38	
	<b>16</b>					
	<b>17</b>					
	<b>18</b>	<0.49	<2.2	5.2	56	
	<b>19</b>					
	<b>20</b>					
	<b>21</b>					
	<b>22</b>	<0.49	<2.2	2.3	47	
	<b>23</b>					
	<b>24</b>					
	<b>25</b>	<0.49	<2.2	2.1	39	
	<b>26</b>					
	<b>27</b>					
	<b>28</b>					
	<b>29</b>					
	<b>30</b>					
	<b>31</b>					

	<b>Sample Point</b>	101		101		101		101		101	
	<b>Description</b>	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	<b>Parameter</b>	87		133		315		553		155	
	<b>Description</b>	Cadmium, Total Recoverable		Chromium, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable		Cyanide, Total	
	<b>Units</b>	ug/L		ug/L		ug/L		ug/L		ug/L	
<b>Summary Values</b>	<b>Monthly Avg</b>	0		0		3.625		62.5		0	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	<0.49		<2.2		5.7		120		<3	
	<b>Daily Min</b>	<0.49		<2.2		1.5		38		<3	
	<b>Rolling 12 Month Avg</b>										
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	260	0	1710	0	2380	0	1480	0	650	0
	<b>Monthly Total</b>										
	<b>Daily Max</b>	690	0	2770	0	3980	0	2610	0	1200	0
	<b>Daily Min</b>										
	<b>Rolling 12 Month Avg</b>										
<b>QA/QC Information</b>	<b>LOD</b>	0.49		2.2		1.5		3.6		3	
	<b>LOQ</b>	1		5		5		10		10	
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>	999580010		999580010		999580010		999580010		999580010	

	<b>Sample Point</b>	101	101	101	101	101
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	<b>Parameter</b>	147	264	430	374	373
	<b>Description</b>	Copper, Total Recoverable	Lead, Total Recoverable	Silver, Total Recoverable	pH (Minimum)	pH (Maximum)
	<b>Units</b>	ug/L	ug/L	ug/L	su	su
	<b>Sample Type</b>	24 HR COMP	24 HR COMP	24 HR COMP	CONTINUOUS	CONTINUOUS
	<b>Frequency</b>	2/WEEK	MONTHLY	MONTHLY	DAILY	DAILY
<b>Sample Results</b>	<b>Day 1</b>	11	<1.3	<1.1	7.4	8.1
	<b>2</b>					
	<b>3</b>					
	<b>4</b>					
	<b>5</b>	18	<1.3	<1.1	7.7	8.2
	<b>6</b>				7.2	8.2
	<b>7</b>				6.6	7.4
	<b>8</b>	11	<1.3	<1.1	6.7	8.3
	<b>9</b>					
	<b>10</b>					
	<b>11</b>	16	<1.3	<1.1	7.6	8.2
	<b>12</b>				6.8	7.9
	<b>13</b>				6.0	7.9
	<b>14</b>				6.0	8.3
	<b>15</b>	12	<1.3	<1.1	6.5	8.0
	<b>16</b>				6.0	7.4
	<b>17</b>					
	<b>18</b>	13	<1.3	<1.1	6.0	7.3
	<b>19</b>				6.4	7.9
	<b>20</b>				6.3	7.7
	<b>21</b>				6.1	8.0
	<b>22</b>	10	<1.3	<1.1	6.6	8.0
	<b>23</b>				6.4	7.9
	<b>24</b>					
	<b>25</b>	12	<1.3	<1.1	7.7	8.4
	<b>26</b>				6.5	7.9
	<b>27</b>				6.6	7.1
	<b>28</b>				6.3	7.4
	<b>29</b>				7.2	8.0
	<b>30</b>				7.1	7.8
	<b>31</b>					

	<b>Sample Point</b>	101		101		101		101		101	
	<b>Description</b>	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	<b>Parameter</b>	147		264		430		374		373	
	<b>Description</b>	Copper, Total Recoverable		Lead, Total Recoverable		Silver, Total Recoverable		pH (Minimum)		pH (Maximum)	
	<b>Units</b>	ug/L		ug/L		ug/L		su		su	
<b>Summary Values</b>	<b>Monthly Avg</b>	12.875		0		0		6.682608696		7.882608696	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	18		<1.3		<1.1		7.7		8.4	
	<b>Daily Min</b>	10		<1.3		<1.1		6		7.1	
	<b>Rolling 12 Month Avg</b>										
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	2070	0	430	0	240	0				
	<b>Monthly Total</b>										
	<b>Daily Max</b>	3380	0	690	0	430	0			11	0
	<b>Daily Min</b>							4	0		
	<b>Rolling 12 Month Avg</b>										
<b>QA/QC Information</b>	<b>LOD</b>	1.7		1.3		1.1					
	<b>LOQ</b>	5		2.5		2.5					
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>	999580010		999580010		999580010					

	<b>Sample Point</b>	101	101	101	101	101
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	<b>Parameter</b>	379	376	507	40	490
	<b>Description</b>	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Total Toxic Organics	Benzene	Tetrachloroethylene
	<b>Units</b>	minutes	Number	ug/L	ug/L	ug/L
	<b>Sample Type</b>	CALCULATED	CALCULATED	24 HR COMP	24 HR COMP	24 HR COMP
	<b>Frequency</b>	DAILY	DAILY	MONTHLY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>					
	<b>2</b>					
	<b>3</b>					
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>					
	<b>9</b>					
	<b>10</b>					
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>					
	<b>16</b>					
	<b>17</b>					
	<b>18</b>					
	<b>19</b>					
	<b>20</b>					
	<b>21</b>					
	<b>22</b>					
	<b>23</b>					
	<b>24</b>					
	<b>25</b>					
	<b>26</b>					
	<b>27</b>					
	<b>28</b>					
	<b>29</b>					
	<b>30</b>					
	<b>31</b>					

	<b>Sample Point</b>	101		101		101		101		101	
	<b>Description</b>	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	<b>Parameter</b>	379		376		507		40		490	
	<b>Description</b>	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes		Total Toxic Organics		Benzene		Tetrachloroethylene	
	<b>Units</b>	minutes		Number		ug/L		ug/L		ug/L	
<b>Summary Values</b>	<b>Monthly Avg</b>										
	<b>Monthly Total</b>										
	<b>Daily Max</b>										
	<b>Daily Min</b>										
	<b>Rolling 12 Month Avg</b>										
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>										
	<b>Monthly Total</b>	446	0	0							
	<b>Daily Max</b>					2130					
	<b>Daily Min</b>										
	<b>Rolling 12 Month Avg</b>										
<b>QA/QC Information</b>	<b>LOD</b>										
	<b>LOQ</b>										
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>										

	<b>Sample Point</b>	101	101	101	101	101
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	<b>Parameter</b>	500	561	200	508	285
	<b>Description</b>	Toluene	1,1,1-Trichloro- ethane	Ethylbenzene	Trichloro- ethylene	Methylene chloride
	<b>Units</b>	ug/L	ug/L	ug/L	ug/L	ug/L
	<b>Sample Type</b>	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP
	<b>Frequency</b>	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					



	<b>Sample Point</b>	101	101	101	101	101
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	<b>Parameter</b>	500	561	200	508	285
	<b>Description</b>	Toluene	1,1,1-Trichloro- ethane	Ethylbenzene	Trichloro- ethylene	Methylene chloride
	<b>Units</b>	ug/L	ug/L	ug/L	ug/L	ug/L
<b>Summary Values</b>	<b>Monthly Avg</b>					
	<b>Monthly Total</b>					
	<b>Daily Max</b>					
	<b>Daily Min</b>					
	<b>Rolling 12 Month Avg</b>					
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					
	<b>Monthly Total</b>					
	<b>Daily Max</b>					
	<b>Daily Min</b>					
	<b>Rolling 12 Month Avg</b>					
<b>QA/QC Information</b>	<b>LOD</b>					
	<b>LOQ</b>					
	<b>QC Exceedance</b>					
	<b>Lab Certification</b>					

Sample Point	101	106	106	106	107	
Description	Metal Finishing Effluent	Future remedial action ww	Future remedial action ww	Future remedial action ww	Mercury Field Blank Results	
Parameter	167	211	35	457	280	
Description	Di-n-butyl phthalate (dibutyl phthalate)	Flow Rate	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable	
Units	ug/L	gpd	ug/L	mg/L	ng/L	
Sample Type	24 HR COMP	CONTINUOUS	24 HR COMP	24 HR COMP	GRAB	
Frequency	MONTHLY	DAILY	WEEKLY	WEEKLY	MONTHLY	
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					<0.20
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

Sample Point	101	106	106	106	107
Description	Metal Finishing Effluent	Future remedial action ww	Future remedial action ww	Future remedial action ww	Mercury Field Blank Results
Parameter	167	211	35	457	280
Description	Di-n-butyl phthalate (dibutyl phthalate)	Flow Rate	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable
Units	ug/L	gpd	ug/L	mg/L	ng/L
Summary Values	Monthly Avg				0
	Monthly Total				
	Daily Max				<0.2
	Daily Min				<0.2
	Rolling 12 Month Avg				
Limit(s) in Effect	Monthly Avg				
	Monthly Total				
	Daily Max				
	Daily Min				
	Rolling 12 Month Avg				
QA/QC Information	LOD				0.2
	LOQ				0.5
	QC Exceedance	N	N	N	N
	Lab Certification				721026460

Sample Point	003	003	003	003	003	
Description	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	
Parameter	211	457	35	374	373	
Description	Flow Rate	Suspended Solids, Total	Arsenic, Total Recoverable	pH (Minimum)	pH (Maximum)	
Units	MGD	mg/L	ug/L	su	su	
Sample Type	CONTINUOUS	24 HR COMP	24 HR COMP	CONTINUOUS	CONTINUOUS	
Frequency	DAILY	WEEKLY	WEEKLY	DAILY	DAILY	
<b>Sample Results</b>	<b>Day 1</b>	0.013207		6.1	8.8	
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12	0.008015	<1.0	390	6.9	8.5
	13	0.014431			6.8	8.2
	14	0.013694			8.2	8.6
	15	0.015051			7.9	8.7
	16					
	17					
	18		<1.0	100		
	19	0.012001			6.7	8.4
	20					
	21	0.020367			6.3	7.8
	22	0.010402			6.1	8.8
	23					
	24					
	25					
	26	0.006199	<1.0	350	7.8	8.7
	27	0.001122			6.1	8.9
	28					
	29	0.005724			8.2	8.5
	30	0.001450			7.0	8.5
	31					

	<b>Sample Point</b>	003	003	003	003	003	
	<b>Description</b>	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	
	<b>Parameter</b>	211	457	35	374	373	
	<b>Description</b>	Flow Rate	Suspended Solids, Total	Arsenic, Total Recoverable	pH (Minimum)	pH (Maximum)	
	<b>Units</b>	MGD	mg/L	ug/L	su	su	
<b>Summary Values</b>	<b>Monthly Avg</b>	0.010138583	0	280	7.008333333	8.533333333	
	<b>Monthly Total</b>						
	<b>Daily Max</b>	0.020367	<1	390	8.2	8.9	
	<b>Daily Min</b>	0.001122	<1	100	6.1	7.8	
	<b>Rolling 12 Month Avg</b>						
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>						
	<b>Monthly Total</b>						
	<b>Daily Max</b>			680	0	11	0
	<b>Daily Min</b>				4	0	
	<b>Rolling 12 Month Avg</b>						
<b>QA/QC Information</b>	<b>LOD</b>			2.1			
	<b>LOQ</b>			5			
	<b>QC Exceedance</b>	N	N	N	N	N	
	<b>Lab Certification</b>		438039470	999580010			

	<b>Sample Point</b>	003	003
	<b>Description</b>	Future remedial action dischg	Future remedial action dischg
	<b>Parameter</b>	379	376
	<b>Description</b>	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes
	<b>Units</b>	minutes	Number
	<b>Sample Type</b>	CONTINUOUS	CONTINUOUS
	<b>Frequency</b>	DAILY	DAILY
<b>Sample Results</b>	<b>Day 1</b>		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		
	14		
	15		
	16		
	17		
	18		
	19		
	20		
	21		
	22		
	23		
	24		
	25		
	26		
	27		
	28		
	29		
	30		
	31		

	Sample Point	003		003	
	Description	Future remedial action dischg		Future remedial action dischg	
	Parameter	379		376	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes	
	Units	minutes		Number	
<b>Summary Values</b>	Monthly Avg				
	Monthly Total				
	Daily Max				
	Daily Min				
	Rolling 12 Month Avg				
<b>Limit(s) in Effect</b>	Monthly Avg				
	Monthly Total	446	0		
	Daily Max			0	0
	Daily Min				
	Rolling 12 Month Avg				
<b>QA/QC Information</b>	LOD				
	LOQ				
	QC Exceedance	N		N	
	Lab Certification				

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

1. Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for TTO I certify that to the best of my knowledge and belief no dumping of concentrated toxic organics into the wastewaters has
2. occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the department.

General Remarks

On outfall OF003, I did not have a weekly sample because the system did not stay running long enough.  
Cl- ran once a month on a HACH hand held machine

Laboratory Quality Control Comments

We had a Lab Certification Gap between August 31- September 15 which I did not know of until now so, that is why the TSS came up with a violation

Submitted by Anne Fleury(afleury16) on 10/20/2017 8:57:48 AM





eReport Certify - TYCO FIRE PROTECTION PRODUCTS LP

- 419561

Facility Name

TYCO FIRE PROTECTION PRODUCTS LP

Form Type

Wastewater Discharge Monitoring Long Report

DOC ID

388859

Reporting Period

10/1/2017 to 10/31/2017

Enter Certification Code

E-Mail was sent to

afleury@tycoint.com

Without leaving THIS page, check E-Mail address for message containing Certification code. Enter code and click 'Certify' button to complete Submittal.

Submittal of this form is required by section 283.55, Wis. Stats., and chapters NR 205 and NR 214 or NR 204, Wis. Admin. Code.

Personally identifiable information collected on this form may be used for purposes other than that for which it was originally collected. Under Wisconsin's open records laws, DNR is required to provide all non-confidential information to any person who requests it. Such information may be provided to the public in written or electronic form. Information reported may be made available to the public via a DNR web page.

I certify under penalty of law that this form submitted to DNR on 11/16/2017 for the period 10/1/2017 to 10/31/2017 and identified by the DOC ID number listed above was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

The Official Internet site for the Wisconsin Department of Natural Resources

101 S. Webster Street . PO Box 7921 . Madison, Wisconsin 53707-7921 . 608.266.2621

Questions or comments about this e-form : [Contact Us](#)



eReport Certify - TYCO FIRE PROTECTION PRODUCTS LP

- 419561

Facility Name

TYCO FIRE PROTECTION PRODUCTS LP

Form Type

Wastewater Discharge Monitoring Long Report

DOC ID

388859

Reporting Period

10/1/2017 to 10/31/2017

Enter Certification Code

gnoverathi

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afleury@tycoint.com

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Certification complete.

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**Wastewater Discharge Monitoring Long Report**

**For DNR Use Only**

Facility Name: TYCO FIRE PROTECTION PRODUCTS LP  
 Contact Address: One Stanton Street  
 Marinette, WI 54143  
 Facility Contact: Judith Rost, Sr Lab Tech  
 Phone Number: (715) 735-7411  
 Reporting Period: 10/01/2017 - 10/31/2017  
 Form Due Date: 11/21/2017  
 Permit Number: 0001040

Date Received:  
 DOC: 388859  
 FIN: 7245  
 FID: 438039470  
 Region: Northeast Region  
 Permit Drafter: Trevor J Moen  
 Reviewer: Nicole E Krueger  
 Office: Green Bay

Sample Point	001	703	001	001	001	
Description	PRIOR TO MENOMINEE RIVER	Intake Water Monitoring	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	
Parameter	211	280	487	374	373	
Description	Flow Rate	Mercury, Total Recoverable	Temperature	pH (Minimum)	pH (Maximum)	
Units	MGD	ng/L	degF	su	su	
Sample Type	CONTINUOUS	GRAB	GRAB	CONTINUOUS	CONTINUOUS	
Frequency	DAILY	MONTHLY	MONTHLY	DAILY	DAILY	
Sample Results	Day 1	0.05763		78	7.6	8.3
	2	0.16275		75	7.3	7.6
	3	0.16622		74	7.1	7.6
	4	0.14624		76	7.4	7.7
	5	0.13975		79	7.3	7.6
	6	0.31797		70	7.4	7.8
	7	0.03359		70	6.7	7.2
	8	0.07396		95	7.0	7.5
	9	0.16047		73	7.0	7.2
	10	0.15746		74	7.0	7.4
	11	0.16386		74	6.8	7.3
	12	0.13745		74	7.1	7.5
	13	0.07622		72	7.1	7.7
	14	0.15614		72	6.6	8.0
	15	0.05987		67	6.8	7.1
	16	0.13750		71	6.8	7.4
	17	0.16851		72	6.7	7.5
	18	0.15797		71	6.6	6.9
	19	0.18131		71	6.6	7.1
	20	0.08208		70	7.0	7.6
	21	0.00039		71	7.6	7.8
	22	0.03489		69	7.2	7.8
	23	0.17566		71	7.0	7.2
	24	0.18870		70	7.0	7.2
	25	0.16529		70	7.0	7.2
	26	0.19663	7.4	70	7.0	7.3
	27	0.14657		67	7.0	7.4
	28	0.00010		62	7.5	7.7
	29	0.06810		66	7.3	8.0
	30	0.17106		67	7.0	7.3
	31	0.15819		67	7.1	7.4

	Sample Point	001	703	001	001	001
	Description	PRIOR TO MENOMINEE RIVER	Intake Water Monitoring	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER
	Parameter	211	280	487	374	373
	Description	Flow Rate	Mercury, Total Recoverable	Temperature	pH (Minimum)	pH (Maximum)
	Units	MGD	ng/L	degF	su	su
<b>Summary Values</b>	Monthly Avg	0.130404194	7.4	71.870967742	7.051612903	7.493548387
	Monthly Total					
	Daily Max	0.31797	7.4	95	7.6	8.3
	Daily Min	0.0001	7.4	62	6.6	6.9
	Rolling 12 Month Avg					
<b>Limit(s) in Effect</b>	Monthly Avg					
	Monthly Total					
	Daily Max					11 0
	Daily Min				4 0	
	Rolling 12 Month Avg					
<b>QA/QC Information</b>	LOD		0.2			
	LOQ		0.5			
	QC Exceedance	N	N	N	N	N
	Lab Certification		721026460			

Sample Point	001	001	001	001	001		
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER		
Parameter	379	376	388	231	35		
Description	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Phosphorus, Total	Hardness, Total as CaCO3	Arsenic, Total Recoverable		
Units	minutes	Number	mg/L	mg/L	ug/L		
Sample Type	CONTINUOUS	CONTINUOUS	24 HR COMP	24 HR COMP	24 HR COMP		
Frequency	DAILY	DAILY	WEEKLY	MONTHLY	MONTHLY		
Sample Results	Day 1						
	2			0.10	190	20	
	3						
	4						
	5						
	6						
	7						
	8						
	9				0.13	160	98
	10						
	11						
	12						
	13						
	14						
	15						
	16				0.15	140	88
	17						
	18						
	19						
	20						
	21						
	22						
	23				0.20	170	66
	24						
	25						
	26						
	27						
	28						
	29						
	30						
	31						

	Sample Point	001		001		001		001		001	
	Description	PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER	
	Parameter	379		376		388		231		35	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes		Phosphorus, Total		Hardness, Total as CaCO3		Arsenic, Total Recoverable	
	Units	minutes		Number		mg/L		mg/L		ug/L	
<b>Summary Values</b>	Monthly Avg					0.145		165		68	
	Monthly Total										
	Daily Max					0.2		190		98	
	Daily Min					0.1		140		20	
	Rolling 12 Month Avg					0.3					
<b>Limit(s) in Effect</b>	Monthly Avg										
	Monthly Total	446	0								
	Daily Max			0	0					680	0
	Daily Min										
	Rolling 12 Month Avg					1	0				
<b>QA/QC Information</b>	LOD					0.024				2.1	
	LOQ					0.05				5	
	QC Exceedance	N		N		N		N		N	
	Lab Certification					999580010		999580010		999580010	

Sample Point	001	001	001	001	001	
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	
Parameter	35	147	147	87	152	
Description	Arsenic, Total Recoverable	Copper, Total Recoverable	Copper, Total Recoverable	Cadmium, Total Recoverable	Cyanide, Amenable	
Units	lbs/day	ug/L	lbs/day	ug/L	ug/L	
Sample Type	CALCULATED	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	
Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	
Sample Results	Day 1					
	2	0.0272	16	0.02176	0.053	<3.0
	3					
	4					
	5					
	6					
	7					
	8					
	9	0.13132	13	0.01742	0.68	
	10					
	11					
	12					
	13					
	14					
	15					
	16	0.1012	13	0.01495	<0.49	
	17					
	18					
	19					
	20					
	21					
	22					
	23	0.09636	15	0.0219	<0.49	
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER	
	Parameter	35		147		147		87		152	
	Description	Arsenic, Total Recoverable		Copper, Total Recoverable		Copper, Total Recoverable		Cadmium, Total Recoverable		Cyanide, Amenable	
	Units	lbs/day		ug/L		lbs/day		ug/L		ug/L	
<b>Summary Values</b>	Monthly Avg	0.08902		14.25		0.0190075		0.18325		0	
	Monthly Total										
	Daily Max	0.13132		16		0.0219		0.68		<3	
	Daily Min	0.0272		13		0.01495		0.053		<3	
	Rolling 12 Month Avg										
<b>Limit(s) in Effect</b>	Monthly Avg										
	Monthly Total										
	Daily Max	12	0	69	0	0.98	0				
	Daily Min										
	Rolling 12 Month Avg										
<b>QA/QC Information</b>	LOD			1.7				0.49		3	
	LOQ			5				1		10	
	QC Exceedance	N		N		N		N		N	
	Lab Certification			999580010				999580010		999580010	



Sample Point	001	001	101	101	101	
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	
Parameter	112	280	211	457	342	
Description	Chlorine, Total Residual	Mercury, Total Recoverable	Flow Rate	Suspended Solids, Total	Oil & Grease (Freon)	
Units	ug/L	ng/L	MGD	mg/L	mg/L	
Sample Type	GRAB	GRAB	CONTINUOUS	24 HR COMP	GRAB	
Frequency	MONTHLY	MONTHLY	DAILY	DAILY	2/WEEK	
Sample Results	Day 1					
	2			0.050396	2.4	1.8
	3			0.053729	1.8	1.9
	4			0.022684	2.4	
	5			0.023186	2.5	
	6			0.004652	19.8	
	7					
	8					
	9	15		0.042074	3.3	<1.4
	10			0.036643	3.8	1.5
	11			0.042431	3.3	
	12			0.023953	3.5	
	13			0.007165	18.3	
	14					
	15					
	16			0.031545	3.2	1.5
	17			0.032888	2.8	1.4
	18			0.039665	2.0	
	19			0.448300	2.1	
	20			0.024462	2.9	
	21					
	22					
	23			0.039491	3.3	1.5
	24			0.035036	3.9	1.7
	25			0.042274	2.3	
	26		1.2	0.024685	2.0	
	27			0.036154	4.6	
	28			0.004852	11.4	
	29					
	30			0.037233	3.4	
	31			0.028660	2.9	

	Sample Point	001	001	101	101	101		
	Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent		
	Parameter	112	280	211	457	342		
	Description	Chlorine, Total Residual	Mercury, Total Recoverable	Flow Rate	Suspended Solids, Total	Oil & Grease (Freon)		
	Units	ug/L	ng/L	MGD	mg/L	mg/L		
<b>Summary Values</b>	Monthly Avg	15	1.2	0.049224261	4.691304348	1.4125		
	Monthly Total							
	Daily Max	15	1.2	0.4483	19.8	1.9		
	Daily Min	15	1.2	0.004652	1.8	<1.4		
	Rolling 12 Month Avg							
<b>Limit(s) in Effect</b>	Monthly Avg				31	0	26	0
	Monthly Total							
	Daily Max				60	0	52	0
	Daily Min							
	Rolling 12 Month Avg							
<b>QA/QC Information</b>	LOD	30	0.2				1.4	
	LOQ	100	0.5				5.1	
	QC Exceedance	N	N	N	N	N	N	
	Lab Certification		721026460		438039470	999580010		

Sample Point	101	101	101	101	101	
Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	
Parameter	87	133	315	553	155	
Description	Cadmium, Total Recoverable	Chromium, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Cyanide, Total	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	
Sample Type	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	GRAB	
Frequency	2/WEEK	MONTHLY	2/WEEK	2/WEEK	MONTHLY	
Sample Results	Day 1					
	2	0.68	<2.2	3.2	61	<3.0
	3	0.51	<2.2	2.4	41	
	4					
	5					
	6					
	7					
	8					
	9	0.63	<2.2	2.5	48	
	10	0.67	<2.2	13	45	
	11					
	12					
	13					
	14					
	15					
	16	<0.49	<2.2	6.2	120	
	17	<0.49	<2.2	10	63	
	18					
	19					
	20					
	21					
	22					
	23	<0.49	<2.2	4.8	51	
	24	<0.49	<2.2	10	50	
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	101		101		101		101		101	
	Description	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	Parameter	87		133		315		553		155	
	Description	Cadmium, Total Recoverable		Chromium, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable		Cyanide, Total	
	Units	ug/L		ug/L		ug/L		ug/L		ug/L	
<b>Summary Values</b>	Monthly Avg	0.31125		0		6.5125		59.875		0	
	Monthly Total										
	Daily Max	0.68		<2.2		13		120		<3	
	Daily Min	<0.49		<2.2		2.4		41		<3	
	Rolling 12 Month Avg										
<b>Limit(s) in Effect</b>	Monthly Avg	260	0	1710	0	2380	0	1480	0	650	0
	Monthly Total										
	Daily Max	690	0	2770	0	3980	0	2610	0	1200	0
	Daily Min										
	Rolling 12 Month Avg										
<b>QA/QC Information</b>	LOD	0.49		2.2		1.5		3.6		3	
	LOQ	1		5		5		10		10	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	999580010		999580010		999580010		999580010		999580010	

	<b>Sample Point</b>	101	101	101	101	101
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	<b>Parameter</b>	147	264	430	374	373
	<b>Description</b>	Copper, Total Recoverable	Lead, Total Recoverable	Silver, Total Recoverable	pH (Minimum)	pH (Maximum)
	<b>Units</b>	ug/L	ug/L	ug/L	su	su
	<b>Sample Type</b>	24 HR COMP	24 HR COMP	24 HR COMP	CONTINUOUS	CONTINUOUS
	<b>Frequency</b>	2/WEEK	MONTHLY	MONTHLY	DAILY	DAILY
<b>Sample Results</b>	<b>Day 1</b>					
	<b>2</b>	12	<1.3	<1.1	7.2	8.4
	<b>3</b>	9.1	<1.3	<1.1	7.0	7.6
	<b>4</b>				6.4	7.2
	<b>5</b>				6.7	8.9
	<b>6</b>				7.0	7.6
	<b>7</b>					
	<b>8</b>					
	<b>9</b>	12	<1.3	<1.1	7.2	8.0
	<b>10</b>	11	<1.3	<1.1	6.3	6.8
	<b>11</b>				6.9	7.4
	<b>12</b>				6.3	6.9
	<b>13</b>				6.6	7.2
	<b>14</b>					
	<b>15</b>					
	<b>16</b>	70	<1.3	<1.1	7.0	7.4
	<b>17</b>	21	<1.3	<1.1	7.4	8.8
	<b>18</b>				6.8	7.5
	<b>19</b>				6.6	8.0
	<b>20</b>				6.2	8.0
	<b>21</b>					
	<b>22</b>					
	<b>23</b>	14	<1.3	<1.1	7.2	7.5
	<b>24</b>	12	<1.3	<1.1	6.7	8.0
	<b>25</b>				6.7	7.0
	<b>26</b>				6.6	6.9
	<b>27</b>				6.2	7.3
	<b>28</b>				6.9	7.0
	<b>29</b>					
	<b>30</b>				7.1	7.6
	<b>31</b>				6.7	7.6

	Sample Point	101		101		101		101		101	
	Description	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	Parameter	147		264		430		374		373	
	Description	Copper, Total Recoverable		Lead, Total Recoverable		Silver, Total Recoverable		pH (Minimum)		pH (Maximum)	
	Units	ug/L		ug/L		ug/L		su		su	
<b>Summary Values</b>	Monthly Avg	20.1375		0		0		6.769565217		7.591304348	
	Monthly Total										
	Daily Max	70		<1.3		<1.1		7.4		8.9	
	Daily Min	9.1		<1.3		<1.1		6.2		6.8	
	Rolling 12 Month Avg										
<b>Limit(s) in Effect</b>	Monthly Avg	2070	0	430	0	240	0				
	Monthly Total										
	Daily Max	3380	0	690	0	430	0			11	0
	Daily Min							4	0		
	Rolling 12 Month Avg										
<b>QA/QC Information</b>	LOD	1.7		1.3		1.1					
	LOQ	5		2.5		2.5					
	QC Exceedance	N		N		N		N		N	
	Lab Certification	999580010		999580010		999580010					

	<b>Sample Point</b>	101	101	101	101	101
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	<b>Parameter</b>	379	376	507	40	490
	<b>Description</b>	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Total Toxic Organics	Benzene	Tetrachloroethylene
	<b>Units</b>	minutes	Number	ug/L	ug/L	ug/L
	<b>Sample Type</b>	CALCULATED	CALCULATED	24 HR COMP	24 HR COMP	24 HR COMP
	<b>Frequency</b>	DAILY	DAILY	MONTHLY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	101		101		101		101		101	
	Description	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	Parameter	379		376		507		40		490	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes		Total Toxic Organics		Benzene		Tetrachloroethylene	
	Units	minutes		Number		ug/L		ug/L		ug/L	
<b>Summary Values</b>	Monthly Avg										
	Monthly Total										
	Daily Max										
	Daily Min										
	Rolling 12 Month Avg										
<b>Limit(s) in Effect</b>	Monthly Avg										
	Monthly Total	446	0	0	0						
	Daily Max					2130					
	Daily Min										
	Rolling 12 Month Avg										
<b>QA/QC Information</b>	LOD										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification										



	<b>Sample Point</b>	101	101	101	101	101
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	<b>Parameter</b>	500	561	200	508	285
	<b>Description</b>	Toluene	1,1,1-Trichloro- ethane	Ethylbenzene	Trichloro- ethylene	Methylene chloride
	<b>Units</b>	ug/L	ug/L	ug/L	ug/L	ug/L
	<b>Sample Type</b>	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP
	<b>Frequency</b>	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	101	101	101	101	101
	Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	Parameter	500	561	200	508	285
	Description	Toluene	1,1,1-Trichloro- ethane	Ethylbenzene	Trichloro- ethylene	Methylene chloride
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
<b>Summary Values</b>	Monthly Avg					
	Monthly Total					
	Daily Max					
	Daily Min					
	Rolling 12 Month Avg					
<b>Limit(s) in Effect</b>	Monthly Avg					
	Monthly Total					
	Daily Max					
	Daily Min					
	Rolling 12 Month Avg					
<b>QA/QC Information</b>	LOD					
	LOQ					
	QC Exceedance					
	Lab Certification					

Sample Point	101	106	106	106	107	
Description	Metal Finishing Effluent	Future remedial action ww	Future remedial action ww	Future remedial action ww	Mercury Field Blank Results	
Parameter	167	211	35	457	280	
Description	Di-n-butyl phthalate (dibutyl phthalate)	Flow Rate	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable	
Units	ug/L	gpd	ug/L	mg/L	ng/L	
Sample Type	24 HR COMP	CONTINUOUS	24 HR COMP	24 HR COMP	GRAB	
Frequency	MONTHLY	DAILY	WEEKLY	WEEKLY	MONTHLY	
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					<0.20
	27					
	28					
	29					
	30					
	31					

Sample Point	101	106	106	106	107
Description	Metal Finishing Effluent	Future remedial action ww	Future remedial action ww	Future remedial action ww	Mercury Field Blank Results
Parameter	167	211	35	457	280
Description	Di-n-butyl phthalate (dibutyl phthalate)	Flow Rate	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable
Units	ug/L	gpd	ug/L	mg/L	ng/L
<b>Summary Values</b>	Monthly Avg				0
	Monthly Total				
	Daily Max				<0.2
	Daily Min				<0.2
	Rolling 12 Month Avg				
<b>Limit(s) in Effect</b>	Monthly Avg				
	Monthly Total				
	Daily Max				
	Daily Min				
	Rolling 12 Month Avg				
<b>QA/QC Information</b>	LOD				0.2
	LOQ				0.5
	QC Exceedance	N	N	N	N
	Lab Certification				721026460

	<b>Sample Point</b>	003	003	003	003	003
	<b>Description</b>	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg
	<b>Parameter</b>	211	457	35	374	373
	<b>Description</b>	Flow Rate	Suspended Solids, Total	Arsenic, Total Recoverable	pH (Minimum)	pH (Maximum)
	<b>Units</b>	MGD	mg/L	ug/L	su	su
	<b>Sample Type</b>	CONTINUOUS	24 HR COMP	24 HR COMP	CONTINUOUS	CONTINUOUS
	<b>Frequency</b>	DAILY	WEEKLY	WEEKLY	DAILY	DAILY
<b>Sample Results</b>	<b>Day 1</b>					
	2	0.001782			8.0	8.5
	3	0.004050	<1.0	3200	7.6	8.5
	4	0.002842			7.9	8.9
	5	0.010520			6.2	8.5
	6				8.7	8.9
	7					
	8					
	9					
	10					
	11	0.005009			6.1	8.8
	12	0.008514			6.6	7.1
	13	0.001881			6.3	6.4
	14					
	15					
	16					
	17	0.007382	<1.0	91	6.1	8.3
	18	0.011683			7.8	8.3
	19	0.011495			8.6	8.7
	20	0.006452			8.0	8.9
	21					
	22					
	23	0.006391	<1.0	75	6.8	8.0
	24	0.011668			6.1	7.9
	25					
	26				6.1	6.5
	27					
	28					
	29					
	30	0.005481			6.1	8.2
	31	0.010824			6.1	7.6

	Sample Point	003	003	003	003	003	
	Description	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	
	Parameter	211	457	35	374	373	
	Description	Flow Rate	Suspended Solids, Total	Arsenic, Total Recoverable	pH (Minimum)	pH (Maximum)	
	Units	MGD	mg/L	ug/L	su	su	
<b>Summary Values</b>	Monthly Avg	0.007064933	0	1122	7.005882353	8.117647059	
	Monthly Total						
	Daily Max	0.011683	<1	3200	8.7	8.9	
	Daily Min	0.001782	<1	75	6.1	6.4	
	Rolling 12 Month Avg						
<b>Limit(s) in Effect</b>	Monthly Avg						
	Monthly Total						
	Daily Max			680	1	11	0
	Daily Min				4	0	
	Rolling 12 Month Avg						
<b>QA/QC Information</b>	LOD			2.1			
	LOQ			5			
	QC Exceedance	N	N	N	N	N	
	Lab Certification		438039470	999580010			

	<b>Sample Point</b>	003	003
	<b>Description</b>	Future remedial action dischg	Future remedial action dischg
	<b>Parameter</b>	379	376
	<b>Description</b>	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes
	<b>Units</b>	minutes	Number
	<b>Sample Type</b>	CONTINUOUS	CONTINUOUS
	<b>Frequency</b>	DAILY	DAILY
<b>Sample Results</b>	<b>Day 1</b>		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		
	14		
	15		
	16		
	17		
	18		
	19		
	20		
	21		
	22		
	23		
	24		
	25		
	26		
	27		
	28		
	29		
	30		
	31		

	Sample Point	003		003	
	Description	Future remedial action dischg		Future remedial action dischg	
	Parameter	379		376	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes	
	Units	minutes		Number	
Summary Values	Monthly Avg				
	Monthly Total				
	Daily Max				
	Daily Min				
	Rolling 12 Month Avg				
Limit(s) in Effect	Monthly Avg				
	Monthly Total	446	0		
	Daily Max			0	0
	Daily Min				
	Rolling 12 Month Avg				
QA/QC Information	LOD				
	LOQ				
	QC Exceedance	N		N	
	Lab Certification				



Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

1. Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for TTO I certify that to the best of my knowledge and belief no dumping of concentrated toxic organics into the wastewaters has
2. occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the department.

General Remarks

Per Ryan Suennen, the Groundwater pump down H2O trails that were approved per EPA and DNR were done during this time and for the first week the Arsenic levels were high on OF003 and the second week was not run. Fixed and back on track for the third and fourth week.

Laboratory Quality Control Comments



eReport Certify - TYCO FIRE PROTECTION PRODUCTS LP

- 419233

Facility Name

TYCO FIRE PROTECTION PRODUCTS LP

Form Type

Wastewater Discharge Monitoring Long Report

DOC ID

388860

Reporting Period

11/1/2017 to 11/30/2017

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I certify under penalty of law that this form submitted to DNR on 12/14/2017 for the period 11/1/2017 to 11/30/2017 and identified by the DOC ID number listed above was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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**Wastewater Discharge Monitoring Long Report**

**For DNR Use Only**

Facility Name: TYCO FIRE PROTECTION PRODUCTS LP  
 Contact Address: One Stanton Street  
 Marinette, WI 54143  
 Facility Contact: Judith Rost, Sr Lab Tech  
 Phone Number: (715) 735-7411  
 Reporting Period: 11/01/2017 - 11/30/2017  
 Form Due Date: 12/21/2017  
 Permit Number: 0001040

Date Received:	
DOC:	388860
FIN:	7245
FID:	438039470
Region:	Northeast Region
Permit Drafter:	Trevor J Moen
Reviewer:	Nicole E Krueger
Office:	Green Bay

Sample Point	001	703	001	001	001	
Description	PRIOR TO MENOMINEE RIVER	Intake Water Monitoring	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	
Parameter	211	280	487	374	373	
Description	Flow Rate	Mercury, Total Recoverable	Temperature	pH (Minimum)	pH (Maximum)	
Units	MGD	ng/L	degF	su	su	
Sample Type	CONTINUOUS	GRAB	GRAB	CONTINUOUS	CONTINUOUS	
Frequency	DAILY	MONTHLY	MONTHLY	DAILY	DAILY	
<b>Sample Results</b>	<b>Day 1</b>	0.19264		67	7.0	7.4
	<b>2</b>	0.16660		64	6.6	7.1
	<b>3</b>	0.16354		65	6.6	7.0
	<b>4</b>	0.01988		57	6.5	7.3
	<b>5</b>	0.05662		60	7.2	7.6
	<b>6</b>	0.16573		65	6.8	7.5
	<b>7</b>	0.15690		65	6.9	7.7
	<b>8</b>	0.17424		80	7.2	7.7
	<b>9</b>	0.15440		63	7.0	7.3
	<b>10</b>	0.10510		62	7.0	7.7
	<b>11</b>	0.00857		58	7.4	8.2
	<b>12</b>	0.06056		62	7.5	8.6
	<b>13</b>	0.16122		61	7.0	7.8
	<b>14</b>	0.26958		61	7.0	8.7
	<b>15</b>	0.17256		62	7.1	7.4
	<b>16</b>	0.15053		59	6.9	7.7
	<b>17</b>	0.10577		57	6.6	7.8
	<b>18</b>	0.00067		53	7.4	8.0
	<b>19</b>	0.05349		57	7.6	8.2
	<b>20</b>	0.14135		60	7.3	7.7
	<b>21</b>	0.14712		60	7.1	7.6
	<b>22</b>	0.06613		59	7.0	7.5
	<b>23</b>	0.00417		59	7.5	7.9
	<b>24</b>	0.01335		58	7.4	8.0
	<b>25</b>	0.00170		56	7.6	7.9
	<b>26</b>	0.05813		56	7.2	8.0
	<b>27</b>	0.15961		57	7.1	7.7
	<b>28</b>	0.15474		62	6.8	7.5
	<b>29</b>	0.15456	7.1	61	6.7	7.2
	<b>30</b>	0.01731		60	6.6	7.0
	<b>31</b>					

	<b>Sample Point</b>	001	703	001	001	001
	<b>Description</b>	PRIOR TO MENOMINEE RIVER	Intake Water Monitoring	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER
	<b>Parameter</b>	211	280	487	374	373
	<b>Description</b>	Flow Rate	Mercury, Total Recoverable	Temperature	pH (Minimum)	pH (Maximum)
	<b>Units</b>	MGD	ng/L	degF	su	su
<b>Summary Values</b>	<b>Monthly Avg</b>	0.108559	7.1	60.866666667	7.053333333	7.69
	<b>Monthly Total</b>					
	<b>Daily Max</b>	0.26958	7.1	80	7.6	8.7
	<b>Daily Min</b>	0.00067	7.1	53	6.5	7
	<b>Rolling 12 Month Avg</b>					
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					
	<b>Monthly Total</b>					
	<b>Daily Max</b>					11 0
	<b>Daily Min</b>				4 0	
	<b>Rolling 12 Month Avg</b>					
<b>QA/QC Information</b>	<b>LOD</b>		0.2			
	<b>LOQ</b>		0.5			
	<b>QC Exceedance</b>	N	N	N	N	N
	<b>Lab Certification</b>		721026460			

Sample Point	001	001	001	001	001	
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	
Parameter	379	376	388	231	35	
Description	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Phosphorus, Total	Hardness, Total as CaCO3	Arsenic, Total Recoverable	
Units	minutes	Number	mg/L	mg/L	ug/L	
Sample Type	CONTINUOUS	CONTINUOUS	24 HR COMP	24 HR COMP	24 HR COMP	
Frequency	DAILY	DAILY	WEEKLY	MONTHLY	MONTHLY	
<b>Sample Results</b>	<b>Day 1</b>					
	<b>2</b>			0.085	210	30
	<b>3</b>					
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>			0.11	220	47
	<b>9</b>					
	<b>10</b>					
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>			0.15	170	54
	<b>16</b>					
	<b>17</b>					
	<b>18</b>					
	<b>19</b>					
	<b>20</b>					
	<b>21</b>					
	<b>22</b>					
	<b>23</b>					
	<b>24</b>					
	<b>25</b>					
	<b>26</b>					
	<b>27</b>					
	<b>28</b>			0.11	230	33
	<b>29</b>					
	<b>30</b>					
	<b>31</b>					

	Sample Point	001		001		001		001		001	
	Description	PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER	
	Parameter	379		376		388		231		35	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes		Phosphorus, Total		Hardness, Total as CaCO3		Arsenic, Total Recoverable	
	Units	minutes		Number		mg/L		mg/L		ug/L	
Summary Values	Monthly Avg					0.11375		207.5		41	
	Monthly Total										
	Daily Max					0.15		230		54	
	Daily Min					0.085		170		30	
	Rolling 12 Month Avg					0.2					
Limit(s) in Effect	Monthly Avg										
	Monthly Total	446	0								
	Daily Max			0	0					680	0
	Daily Min										
	Rolling 12 Month Avg					1	0				
QA/QC Information	LOD					0.024				2.1	
	LOQ					0.05				5	
	QC Exceedance	N		N		N		N		N	
	Lab Certification					999580010		999580010		999580010	

	<b>Sample Point</b>	001	001	001	001	001
	<b>Description</b>	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER
	<b>Parameter</b>	35	147	147	87	152
	<b>Description</b>	Arsenic, Total Recoverable	Copper, Total Recoverable	Copper, Total Recoverable	Cadmium, Total Recoverable	Cyanide, Amenable
	<b>Units</b>	lbs/day	ug/L	lbs/day	ug/L	ug/L
	<b>Sample Type</b>	CALCULATED	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP
	<b>Frequency</b>	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>					
	<b>2</b>	0.0417	21	0.02919	<0.49	6.3
	<b>3</b>					
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>	0.06815	11	0.01595	<0.49	
	<b>9</b>					
	<b>10</b>					
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>	0.07776	11	0.01584	<0.49	
	<b>16</b>					
	<b>17</b>					
	<b>18</b>					
	<b>19</b>					
	<b>20</b>					
	<b>21</b>					
	<b>22</b>					
	<b>23</b>					
	<b>24</b>					
	<b>25</b>					
	<b>26</b>					
	<b>27</b>					
	<b>28</b>	0.04257	9.2	0.04257	<0.49	
	<b>29</b>					
	<b>30</b>					
	<b>31</b>					



	<b>Sample Point</b>	001		001		001		001		001	
	<b>Description</b>	PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER	
	<b>Parameter</b>	35		147		147		87		152	
	<b>Description</b>	Arsenic, Total Recoverable		Copper, Total Recoverable		Copper, Total Recoverable		Cadmium, Total Recoverable		Cyanide, Amenable	
	<b>Units</b>	lbs/day		ug/L		lbs/day		ug/L		ug/L	
<b>Summary Values</b>	<b>Monthly Avg</b>	0.057545		13.05		0.0258875		0		6.3	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	0.07776		21		0.04257		<0.49		6.3	
	<b>Daily Min</b>	0.0417		9.2		0.01584		<0.49		6.3	
	<b>Rolling 12 Month Avg</b>										
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>										
	<b>Monthly Total</b>										
	<b>Daily Max</b>	12	0	69	0	0.98	0				
	<b>Daily Min</b>										
	<b>Rolling 12 Month Avg</b>										
<b>QA/QC Information</b>	<b>LOD</b>			1.7				0.49		3	
	<b>LOQ</b>			5				1		10	
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>			999580010				999580010		999580010	

Sample Point	001	001	101	101	101	
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	
Parameter	112	280	211	457	342	
Description	Chlorine, Total Residual	Mercury, Total Recoverable	Flow Rate	Suspended Solids, Total	Oil & Grease (Freon)	
Units	ug/L	ng/L	MGD	mg/L	mg/L	
Sample Type	GRAB	GRAB	CONTINUOUS	24 HR COMP	GRAB	
Frequency	MONTHLY	MONTHLY	DAILY	DAILY	2/WEEK	
Sample Results	Day 1		0.042147	2.3	<1.4	
	2		0.027042	5.0	<1.4	
	3		0.027776	4.5		
	4					
	5					
	6			0.039320	3.7	
	7			0.033026	4.3	
	8			0.033262	3.7	1.1
	9			0.031050	4.2	1.3
	10			0.019430	4.3	
	11					
	12					
	13			0.024810	2.7	
	14			0.025453	3.0	
	15	<30		0.021413	4.3	2.2
	16			0.020316	6.2	2.4
	17			0.006661	5.7	
	18					
	19					
	20			0.012043	15.7	
	21			0.012731	6.5	
	22			0.013083	10.0	1.7
	23					
	24					
	25					
	26					
	27			0.027487	4.3	<1.4
	28			0.029014	3.7	
	29		0.84	0.024626	2.1	
	30			0.035430	2.6	
	31					

	<b>Sample Point</b>	001	001	101	101	101		
	<b>Description</b>	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent		
	<b>Parameter</b>	112	280	211	457	342		
	<b>Description</b>	Chlorine, Total Residual	Mercury, Total Recoverable	Flow Rate	Suspended Solids, Total	Oil & Grease (Freon)		
	<b>Units</b>	ug/L	ng/L	MGD	mg/L	mg/L		
<b>Summary Values</b>	<b>Monthly Avg</b>	0	0.84	0.025306	4.94	1.0875		
	<b>Monthly Total</b>							
	<b>Daily Max</b>	<30	0.84	0.042147	15.7	2.4		
	<b>Daily Min</b>	<30	0.84	0.006661	2.1	1.1		
	<b>Rolling 12 Month Avg</b>							
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>				31	0	26	0
	<b>Monthly Total</b>							
	<b>Daily Max</b>				60	0	52	0
	<b>Daily Min</b>							
	<b>Rolling 12 Month Avg</b>							
<b>QA/QC Information</b>	<b>LOD</b>	30	0.2				1.4	
	<b>LOQ</b>	100	0.5				5.4	
	<b>QC Exceedance</b>	N	N	N	N	N	N	
	<b>Lab Certification</b>		721026460		438039470	999580010		

Sample Point	101	101	101	101	101	
Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	
Parameter	87	133	315	553	155	
Description	Cadmium, Total Recoverable	Chromium, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Cyanide, Total	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	
Sample Type	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	GRAB	
Frequency	2/WEEK	MONTHLY	2/WEEK	2/WEEK	MONTHLY	
<b>Sample Results</b>	<b>Day 1</b>	<0.49	<2.2	17	44	
	<b>2</b>	<0.49	<2.2	15	37	
	<b>3</b>					4.5
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>	<0.49	<2.2	3.8	33	
	<b>9</b>	<0.49	<2.2	6.6	33	
	<b>10</b>					
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>	<0.49	<2.2	17	64	
	<b>16</b>	<0.49	<2.2	14	47	
	<b>17</b>					
	<b>18</b>					
	<b>19</b>					
	<b>20</b>					
	<b>21</b>					
	<b>22</b>					
	<b>23</b>					
	<b>24</b>					
	<b>25</b>					
	<b>26</b>					
	<b>27</b>	<0.49	<2.2	14	91	
	<b>28</b>	<0.49	<2.2	14	90	
	<b>29</b>					
	<b>30</b>					
	<b>31</b>					

	<b>Sample Point</b>	101		101		101		101		101	
	<b>Description</b>	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	<b>Parameter</b>	87		133		315		553		155	
	<b>Description</b>	Cadmium, Total Recoverable		Chromium, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable		Cyanide, Total	
	<b>Units</b>	ug/L		ug/L		ug/L		ug/L		ug/L	
<b>Summary Values</b>	<b>Monthly Avg</b>	0		0		12.675		54.875		4.5	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	<0.49		<2.2		17		91		4.5	
	<b>Daily Min</b>	<0.49		<2.2		3.8		33		4.5	
	<b>Rolling 12 Month Avg</b>										
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	260	0	1710	0	2380	0	1480	0	650	0
	<b>Monthly Total</b>										
	<b>Daily Max</b>	690	0	2770	0	3980	0	2610	0	1200	0
	<b>Daily Min</b>										
	<b>Rolling 12 Month Avg</b>										
<b>QA/QC Information</b>	<b>LOD</b>	0.49		2.2		1.5		3.6		3	
	<b>LOQ</b>	1		5		5		10		10	
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>	999580010		999580010		999580010		999580010		999580010	

Sample Point	101	101	101	101	101	
Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	
Parameter	147	264	430	374	373	
Description	Copper, Total Recoverable	Lead, Total Recoverable	Silver, Total Recoverable	pH (Minimum)	pH (Maximum)	
Units	ug/L	ug/L	ug/L	su	su	
Sample Type	24 HR COMP	24 HR COMP	24 HR COMP	CONTINUOUS	CONTINUOUS	
Frequency	2/WEEK	MONTHLY	MONTHLY	DAILY	DAILY	
Sample Results	Day 1	12	<1.3	<1.1	6.6	7.0
	2	25	<1.3	<1.1	6.2	7.6
	3				6.3	7.4
	4					
	5					
	6				6.6	7.9
	7				6.6	7.3
	8	7.6	<1.3	<1.1	6.3	7.1
	9	14	<1.3	<1.1	6.3	7.1
	10				6.4	6.8
	11					
	12					
	13				6.6	7.3
	14				6.3	7.2
	15	14	<1.3	<1.1	6.3	7.0
	16	11	<1.3	<1.1	6.4	6.8
	17				6.2	7.0
	18					
	19					
	20				6.6	7.4
	21				6.3	7.4
	22				6.6	7.1
	23					
	24					
	25					
	26					
	27	8.6	<1.3	<1.1	6.8	7.6
	28	8.0	<1.3	<1.1	6.6	7.2
	29				6.4	6.8
	30				6.6	7.4
	31					

	<b>Sample Point</b>	101		101		101		101		101	
	<b>Description</b>	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	<b>Parameter</b>	147		264		430		374		373	
	<b>Description</b>	Copper, Total Recoverable		Lead, Total Recoverable		Silver, Total Recoverable		pH (Minimum)		pH (Maximum)	
	<b>Units</b>	ug/L		ug/L		ug/L		su		su	
<b>Summary Values</b>	<b>Monthly Avg</b>	12.525		0		0		6.45		7.22	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	25		<1.3		<1.1		6.8		7.9	
	<b>Daily Min</b>	7.6		<1.3		<1.1		6.2		6.8	
	<b>Rolling 12 Month Avg</b>										
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	2070	0	430	0	240	0				
	<b>Monthly Total</b>										
	<b>Daily Max</b>	3380	0	690	0	430	0			11	0
	<b>Daily Min</b>							4	0		
	<b>Rolling 12 Month Avg</b>										
<b>QA/QC Information</b>	<b>LOD</b>	1.7		1.3		1.1					
	<b>LOQ</b>	5		2.5		2.5					
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>	999580010		999580010		999580010					

	<b>Sample Point</b>	101	101	101	101	101
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	<b>Parameter</b>	379	376	507	40	490
	<b>Description</b>	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Total Toxic Organics	Benzene	Tetrachloroethylene
	<b>Units</b>	minutes	Number	ug/L	ug/L	ug/L
	<b>Sample Type</b>	CALCULATED	CALCULATED	24 HR COMP	24 HR COMP	24 HR COMP
	<b>Frequency</b>	DAILY	DAILY	MONTHLY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					



Sample Point	101	101	101	101	101
Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
Parameter	379	376	507	40	490
Description	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Total Toxic Organics	Benzene	Tetrachloroethylene
Units	minutes	Number	ug/L	ug/L	ug/L
Summary Values	Monthly Avg				
	Monthly Total				
	Daily Max				
	Daily Min				
	Rolling 12 Month Avg				
Limit(s) in Effect	Monthly Avg				
	Monthly Total	446	0	0	0
	Daily Max				2130
	Daily Min				
	Rolling 12 Month Avg				
QA/QC Information	LOD				
	LOQ				
	QC Exceedance	N	N	N	N
	Lab Certification				

Sample Point	101	101	101	101	101
Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
Parameter	500	561	200	508	285
Description	Toluene	1,1,1-Trichloro- ethane	Ethylbenzene	Trichloro- ethylene	Methylene chloride
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Type	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP
Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				
	25				
	26				
	27				
	28				
	29				
	30				
	31				

	<b>Sample Point</b>	101	101	101	101	101
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	<b>Parameter</b>	500	561	200	508	285
	<b>Description</b>	Toluene	1,1,1-Trichloro- ethane	Ethylbenzene	Trichloro- ethylene	Methylene chloride
	<b>Units</b>	ug/L	ug/L	ug/L	ug/L	ug/L
<b>Summary Values</b>	<b>Monthly Avg</b>					
	<b>Monthly Total</b>					
	<b>Daily Max</b>					
	<b>Daily Min</b>					
	<b>Rolling 12 Month Avg</b>					
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					
	<b>Monthly Total</b>					
	<b>Daily Max</b>					
	<b>Daily Min</b>					
	<b>Rolling 12 Month Avg</b>					
<b>QA/QC Information</b>	<b>LOD</b>					
	<b>LOQ</b>					
	<b>QC Exceedance</b>					
	<b>Lab Certification</b>					

Sample Point	101	106	106	106	107	
Description	Metal Finishing Effluent	Future remedial action ww	Future remedial action ww	Future remedial action ww	Mercury Field Blank Results	
Parameter	167	211	35	457	280	
Description	Di-n-butyl phthalate (dibutyl phthalate)	Flow Rate	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable	
Units	ug/L	gpd	ug/L	mg/L	ng/L	
Sample Type	24 HR COMP	CONTINUOUS	24 HR COMP	24 HR COMP	GRAB	
Frequency	MONTHLY	DAILY	WEEKLY	WEEKLY	MONTHLY	
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					<0.20
	30					
	31					

	<b>Sample Point</b>	101	106	106	106	107
	<b>Description</b>	Metal Finishing Effluent	Future remedial action ww	Future remedial action ww	Future remedial action ww	Mercury Field Blank Results
	<b>Parameter</b>	167	211	35	457	280
	<b>Description</b>	Di-n-butyl phthalate (dibutyl phthalate)	Flow Rate	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable
	<b>Units</b>	ug/L	gpd	ug/L	mg/L	ng/L
<b>Summary Values</b>	<b>Monthly Avg</b>					0
	<b>Monthly Total</b>					
	<b>Daily Max</b>					<0.2
	<b>Daily Min</b>					<0.2
	<b>Rolling 12 Month Avg</b>					
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					
	<b>Monthly Total</b>					
	<b>Daily Max</b>					
	<b>Daily Min</b>					
	<b>Rolling 12 Month Avg</b>					
<b>QA/QC Information</b>	<b>LOD</b>					0.2
	<b>LOQ</b>					0.5
	<b>QC Exceedance</b>	N	N	N	N	N
	<b>Lab Certification</b>					721026460

	<b>Sample Point</b>	003	003	003	003	003
	<b>Description</b>	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg
	<b>Parameter</b>	211	457	35	374	373
	<b>Description</b>	Flow Rate	Suspended Solids, Total	Arsenic, Total Recoverable	pH (Minimum)	pH (Maximum)
	<b>Units</b>	MGD	mg/L	ug/L	su	su
	<b>Sample Type</b>	CONTINUOUS	24 HR COMP	24 HR COMP	CONTINUOUS	CONTINUOUS
	<b>Frequency</b>	DAILY	WEEKLY	WEEKLY	DAILY	DAILY
<b>Sample Results</b>	<b>Day 1</b>	0.006121			6.1	8.2
	<b>2</b>	0.005755	<1.0	45	7.7	8.5
	<b>3</b>					
	<b>4</b>					
	<b>5</b>					
	<b>6</b>	0.012035			8.4	8.5
	<b>7</b>	0.001988			6.4	8.5
	<b>8</b>	0.010271	<1.0	24	6.1	8.2
	<b>9</b>	0.005823			6.1	8.9
	<b>10</b>	0.001729			6.1	8.9
	<b>11</b>					
	<b>12</b>					
	<b>13</b>	0.007073			6.1	7.8
	<b>14</b>	0.016215			6.4	7.5
	<b>15</b>	0.007321			6.4	8.4
	<b>16</b>	0.009167	1.8	40	6.0	8.9
	<b>17</b>	0.005155			7.6	8.8
	<b>18</b>					
	<b>19</b>					
	<b>20</b>	0.003781			8.3	8.7
	<b>21</b>	0.013859			6.8	8.6
	<b>22</b>	0.003863			6.1	7.8
	<b>23</b>					
	<b>24</b>					
	<b>25</b>					
	<b>26</b>					
	<b>27</b>	0.008826	<1.0	49	6.3	8.7
	<b>28</b>	0.015626			8.1	8.8
	<b>29</b>	0.010085			7.7	8.3
	<b>30</b>	0.012509			7.9	8.3
	<b>31</b>					

	<b>Sample Point</b>	003	003	003	003	003	
	<b>Description</b>	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	
	<b>Parameter</b>	211	457	35	374	373	
	<b>Description</b>	Flow Rate	Suspended Solids, Total	Arsenic, Total Recoverable	pH (Minimum)	pH (Maximum)	
	<b>Units</b>	MGD	mg/L	ug/L	su	su	
<b>Summary Values</b>	<b>Monthly Avg</b>	0.008273789	0.45	39.5	6.873684211	8.436842105	
	<b>Monthly Total</b>						
	<b>Daily Max</b>	0.016215	1.8	49	8.4	8.9	
	<b>Daily Min</b>	0.001729	<1	24	6	7.5	
	<b>Rolling 12 Month Avg</b>						
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>						
	<b>Monthly Total</b>						
	<b>Daily Max</b>			680	0	11	0
	<b>Daily Min</b>				4	0	
	<b>Rolling 12 Month Avg</b>						
<b>QA/QC Information</b>	<b>LOD</b>			2.1			
	<b>LOQ</b>			5			
	<b>QC Exceedance</b>	N	N	N	N	N	
	<b>Lab Certification</b>		438039470	999580010			

	<b>Sample Point</b>	003	003
	<b>Description</b>	Future remedial action dischg	Future remedial action dischg
	<b>Parameter</b>	379	376
	<b>Description</b>	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes
	<b>Units</b>	minutes	Number
	<b>Sample Type</b>	CONTINUOUS	CONTINUOUS
	<b>Frequency</b>	DAILY	DAILY
<b>Sample Results</b>	<b>Day 1</b>		
	<b>2</b>		
	<b>3</b>		
	<b>4</b>		
	<b>5</b>		
	<b>6</b>		
	<b>7</b>		
	<b>8</b>		
	<b>9</b>		
	<b>10</b>		
	<b>11</b>		
	<b>12</b>		
	<b>13</b>		
	<b>14</b>		
	<b>15</b>		
	<b>16</b>		
	<b>17</b>		
	<b>18</b>		
	<b>19</b>		
	<b>20</b>		
	<b>21</b>		
	<b>22</b>		
	<b>23</b>		
	<b>24</b>		
	<b>25</b>		
	<b>26</b>		
	<b>27</b>		
	<b>28</b>		
	<b>29</b>		
	<b>30</b>		
	<b>31</b>		



	<b>Sample Point</b>	003		003	
	<b>Description</b>	Future remedial action dischg		Future remedial action dischg	
	<b>Parameter</b>	379		376	
	<b>Description</b>	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes	
	<b>Units</b>	minutes		Number	
<b>Summary Values</b>	<b>Monthly Avg</b>				
	<b>Monthly Total</b>				
	<b>Daily Max</b>				
	<b>Daily Min</b>				
	<b>Rolling 12 Month Avg</b>				
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>				
	<b>Monthly Total</b>	446	0		
	<b>Daily Max</b>			0	0
	<b>Daily Min</b>				
	<b>Rolling 12 Month Avg</b>				
<b>QA/QC Information</b>	<b>LOD</b>				
	<b>LOQ</b>				
	<b>QC Exceedance</b>	N		N	
	<b>Lab Certification</b>				

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

1. Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for TTO I certify that to the best of my knowledge and belief no dumping of concentrated toxic organics into the wastewaters has
2. occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the department.

General Remarks

Laboratory Quality Control Comments

**Attachment 3**  
**Surface Water Sampling Results**

Surface Water Sample Results Data Table Quarterly Report 1/16/18

Sample Locations	9/26/2017	9/8/2017	6/7/2017	11/9/17	11/22/17
Upstream 1	N/A	0.00083	0.0011	.00092	
Downstream 2	N/A	0.0011	0.0012	.00092	
Downstream 2 Duplicate	N/A	0.0011	N/A	.00094	
Downstream 3	N/A	0.0011	0.0012	.0011	
Downstream 3 Duplicate	N/A	N/A	0.0011	N/A	
Downstream 4	N/A	0.00093	0.0012	.0010	
Marinette City Intake (Green Bay)	0.0011	N/A	0.00077	N/A	.00083
Menominee City Intake (Green Bay)	0.0011	N/A	0.0012	N/A	.0010
Field Blank	N/A	N/A	0.00015	N/A	

\*all results in mg/L

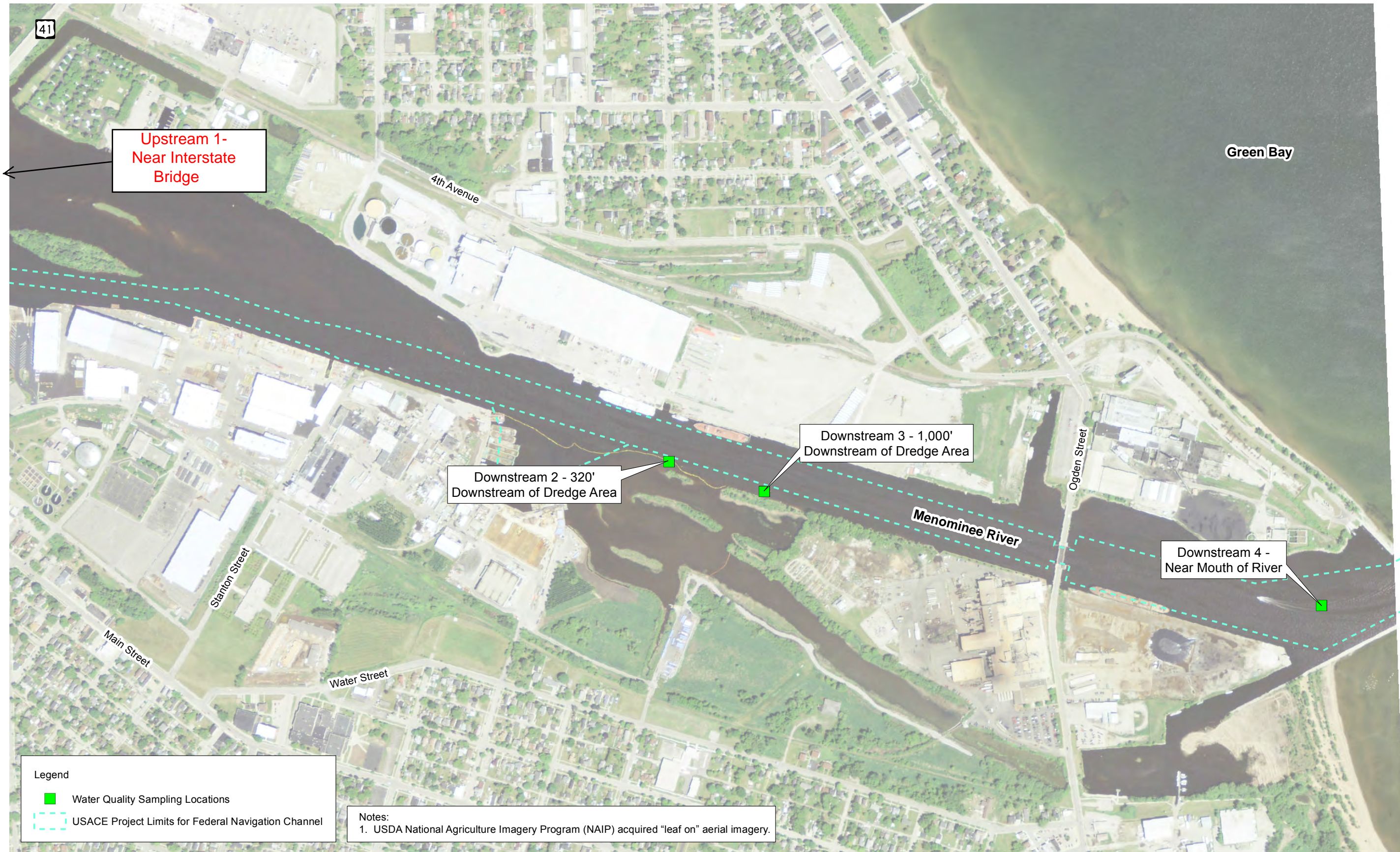


Figure 2  
 Water Quality Sampling Locations  
 Tyco Fire Products LP Facility  
 Marinette, WI