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April 15, 2021

Christopher Black  
U.S. Environmental Protection Agency Region 5  
Land, Chemicals & Redevelopment Division  
77 West Jackson Blvd, LR-16J  
Chicago, IL 60604-3590

**Subject: *Quarterly Progress Report (January through March 2021)***  
**Administrative Order on Consent (February 26, 2009)**  
**Tyco Fire Products LP, Stanton Street Facility, Marinette, Wisconsin**  
**WID 006 125 215**

Dear Mr. Black:

In accordance with Section VI, 21, b (Page 10) of the Administrative Order on Consent (AOC), dated February 26, 2009<sup>1</sup>, Tyco Fire Products LP (Tyco) has prepared this quarterly progress report for the U.S. Environmental Protection Agency (USEPA) Region 5 and Wisconsin Department of Natural Resources (WDNR) (collectively referred herein as the Agencies). Progress reports are required to document activities conducted as part of the Resource Conservation and Recovery Act corrective actions at the Tyco facility on Stanton Street in Marinette, Wisconsin. This report covers the period from January 1 through March 31, 2021 and presents a brief description of the work performed, data collected, problems encountered, and schedule of activities as required by the February 2009 AOC and subsequent agreements.

## Work Completed During this Reporting Period

Attachment 1 summarizes the operational data for the groundwater collection and treatment system (GWCTS) during the first quarter 2021, and Attachment 2 contains the monthly Discharge Monitoring Reports. Operations continue to include bypassing the first two reaction tanks and the lamella with direct connection of the equalization tank to Reaction Tank 3, then Reaction Tank 4, and then to the microfilter. The GWCTS generally operated continuously except for short-term maintenance, some weekends and holidays, and one extended maintenance shutdown that occurred from February 23 to March 23, 2021. The extended shutdown was a result of a power surge that damaged the pH controller immediately upstream of the reverse osmosis (RO) unit. The pH meter controls the chemical addition as part of the RO process and is critical to the RO operations. After first replacing the pH probes, it was determined the pH controller unit needed to be replaced. A long lead time for this equipment delayed the restart, and Pieper Electric replaced the unit when it arrived on March 23, 2021. The overall volume of groundwater extracted during the reporting period was 518,523 gallons.

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<sup>1</sup> U.S. Environmental Protection Agency. 2009. Resource Conservation and Recovery Act Administrative Order on Consent, Ansul, Incorporated. EPA Docket No. RCRA-05-2009-0007542-5-02-001. February 26.

Pump down operations with the temporary system continued through first quarter 2021 in the former Salt Vault and former 8th Street Slip areas. Operations continued under management of Endpoint Solutions of Franklin, Wisconsin. From January 2 to March 26, 2021, an additional 240,400 gallons of groundwater were extracted and disposed offsite as part of the pump down program (PDP). Details of the pump down operations are reported to the Agencies in biweekly summary reports.

An additional pressure transducer download and maintenance event was completed on January 14, 2021. These activities included downloading data from each transducer and collecting manual water levels at the time of transducer download.

Tyco submitted the *2020 Barrier Wall Groundwater Monitoring Annual Report* on March 19, 2021.

## **Additional Activities**

Follow-on activities as part of the final Wisconsin Pollutant Discharge Elimination System (WPDES) Permit WI-0001040-08-0 (effective January 1, 2021 through December 31, 2025) continued in first quarter 2021 and included:

- Pumpouse construction began at the former Salt Vault during the week of February 1, 2021. The pumpouse is part of the permanent PDP conveyance system that will collect and transfer groundwater from the former Salt Vault and former 8th Street Slip extraction wells (including the two new horizontal extraction wells constructed in December 2020). The pumpouse and extraction well connection to the pumpouse are anticipated to be completed in second quarter 2021.
- Testing for the two new horizontal wells is planned to occur in early April 2021. The testing will assess the ability of the horizontal wells to achieve the target dewatering elevation across the former Salt Vault and estimate the approximate extraction rate required to maintain the target elevation. Groundwater also will be collected to evaluate concentrations of arsenic and other key parameters in extracted groundwater to inform groundwater treatment system upgrade design. The four existing extraction wells will be turned off during the testing.
- The design of the remainder of the permanent PDP conveyance system (conveyance lines from the pumpouse to the GWCTS) is underway, and construction work will begin in 2021.
- The associated design efforts for the GWCTS improvements will be initiated in second quarter 2021.
- Stormwater improvement design and planning (that will abandon the subsurface stormwater lines and manage stormwater through aboveground surface flow, as needed) is underway. Construction work will be initiated in 2021.

## **Data Collected**

Extraction and treatment volumes, analytical testing, and discharge data are required as part of the WPDES permits obtained from WDNR for operating the GWCTS, which operates under WPDES Permit WI-0001040-08-0. Attachment 2 includes the GWCTS monthly WPDES Discharge Monitoring Reports for December 2020 through February 2021. Attachment 1 contains additional data on GWCTS operations.

Weekly groundwater elevation data were collected from monitoring wells in the former 8th Street Slip and former Salt Vault areas in accordance with the PDP requirements and have been reported to the Agencies in the biweekly summary reports. Additional transducer data and associated groundwater elevation measurements were collected on January 14, 2021. Continuous groundwater elevation data recorded by

transducers were compiled and evaluated through December 31, 2020; these data and analyses were included in the 2020 annual report, which was submitted on March 19, 2021.

## Problems Encountered

### Menomonee River Levels

Menomonee River water levels continued to decline but remained above typical levels through first quarter 2021. During most of the reporting period, the river level remained above the top of the vertical barrier wall in the Wetlands Area of the site. River levels did not exceed the weir elevations in the Main Plant area throughout the quarter.

### January 2021 Transducer Download

During an additional transducer download event that occurred on January 14, 2021, the following were encountered:

- MW107S had a thick layer of ice within the riser pipe, and an accurate groundwater depth to water measurement could not be obtained. Transducer data were still able to be downloaded.
- The J-plug in MW107D was frozen to the well riser, and the transducer data could not be downloaded.
- A manual reading could not be obtained from the staff gauge because of snow and ice around it. Transducer data were still able to be downloaded.

## Schedule of Upcoming Activities

The following summarizes activities to be conducted during the next reporting period:

- Submit the quarterly progress report
- Continue PDP operations in the former Salt Vault and former 8th Street Slip areas
- Continue operating the GWCTS
- Finalize conveyance improvements design and start construction
- Complete construction on the horizontal wells and the pumphouse at the former Salt Vault
- Initiate GWCTS improvements design
- Continue stormwater improvement design and planning activities
- Complete the spring barrier wall groundwater monitoring sampling event
- Conduct vertical barrier wall (from land and water sides, above the water-line), tree plot, cover area, and monitoring well inspections
- Address inspection findings for the vertical barrier wall, tree plot, cover areas, and monitoring wells, as needed

## List of Key Correspondence and Document Submittals

Project-related documents submitted to and received from the Agencies during the first quarter of 2021 are summarized in Tables 1 and 2, respectively.

**Table 1. Documents Submitted**

*Quarterly Progress Report (January through March 2021), Tyco Fire Products LP Facility, Marinette, WI*

Description of Submittal	Submitted To	Date Submitted
Biweekly Summary Report for Pump Down Program	USEPA	January 8, 2021
Quarterly Progress Report (Fourth Quarter 2020)	USEPA	January 15, 2021
Biweekly Summary Report for Pump Down Program	USEPA	January 19, 2021
Biweekly Summary Report for Pump Down Program	USEPA	February 5, 2021
Biweekly Summary Report for Pump Down Program	USEPA	February 19, 2021
Biweekly Summary Report for Pump Down Program	USEPA	March 4, 2021
<i>Revised Vapor Intrusion Assessment and Work Plan</i>	USEPA	March 17, 2021
Biweekly Summary Report for Pump Down Program	USEPA	March 19, 2021
<i>2020 Barrier Wall Groundwater Monitoring Annual Report</i>	USEPA	March 19, 2021

**Table 2. Correspondence from Agency**

*Quarterly Progress Report (January through March 2021), Tyco Fire Products LP Facility, Marinette, WI*

Description of Correspondence	Submitted By	Date Submitted
Response – Well Abandonment Exemption Request for MW043S	WDNR	March 19, 2021

If you have any questions or require additional information, please contact me at 262-644-6167 or Jeffrey Danko at 262-349-2528.

Respectfully Yours,

Jacobs Engineering Group Inc.



Heather Ziegelbauer  
Project Manager

cc: Angela Carey, WDNR  
Ryan Suennen, Tyco Fire Products  
Jeff Danko, Johnson Controls  
Mariel Carter, Stephenson Public Library

**Attachments**

- 1 Groundwater Collection and Treatment System Operation Summary
- 2 Discharge Monitoring Reports for the Groundwater Collection and Treatment System

Document Control No.: D3478800.283

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**Attachment 1**  
**Groundwater Collection and Treatment System**  
**Operation Summary**

## Groundwater Collection and Treatment System Operations for Tyco Fire Products LP, Marinette, Wisconsin, January 1 through March 31, 2021

The following summarizes groundwater collection and treatment system (GWCTS) operations from January 1 through March 31, 2021 at the Tyco Fire Products LP facility on Stanton Street in Marinette, Wisconsin:

- The GWCTS operated for 15 days in January 2021, 18 days in February 2021, and 8 days in March 2021, for a total of 41 days.
- For the reporting period, the precipitation recorded from the weather station in Marinette, Wisconsin was 3.25 inches of rain and 18.7 inches of snow (<http://www.ncdc.noaa.gov/cdo-web/datasets/GHCND/stations/GHCND:USC00475091/detail>).
- An estimated 518,523 gallons of groundwater were extracted (not including volumes extracted as part of the pump down program [PDP]) from the site during the reporting period. Table 1-1 lists the water volumes extracted from each area of the site for this quarter based on the recorded data.
- During the reporting period, an estimated 536,732 gallons of water were discharged to the Menominee River as effluent under the Wisconsin Pollutant Discharge Elimination System permit.
- Approximately 246,100 gallons of reject water were produced this reporting period during system operations and subsequently disposed of offsite.

**Table 1-1. Extraction Well Data Summary (January through March 2021)**

*GWCTS Operations, Tyco Fire Products LP Facility, Marinette, WI*

Extraction Well	Gallons Run, First Quarter 2021 (January 1 through March 31, 2021)
EW-1	46,437
EW-2	Not operated in lieu of ongoing PDP
EW-3	Not operated in lieu of ongoing PDP
EW-4	11,446
EW-5	136,782
EW-6	153,777
EW-7	170,081
<b>Total</b>	<b>518,523</b>

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**Attachment 2**  
**Discharge Monitoring Reports for the Groundwater**  
**Collection and Treatment System**

# Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: TYCO FIRE PRODUCTS LP  
 Contact Address: One Stanton St  
 Marinette, WI 54143  
 Facility Contact: Mike Elliott, EHS Manager  
 Phone Number: 715-735-7415  
 Reporting Period: 12/01/2020 - 12/31/2020  
 Form Due Date: 01/21/2021  
 Permit Number: 0001040

Date Received:  
 DOC: 456539  
 FIN: 7245  
 FID: 438039470  
 Region: Northeast Region  
 Permit Drafter: Trevor J Moen  
 Reviewer: Laura A Gerold  
 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	0.128750		61	7.2	7.4
	2	0.123740		62	7.2	7.6
	3	0.123520		61	7.2	7.6
	4	0.064230		59	7.4	7.9
	5	0.014170		66	7.8	8.0
	6	0.050300		66	7.7	7.8
	7	0.116050		60	7.3	7.7
	8	0.122350		63	7.1	7.4
	9	0.164690		75	6.6	7.2
	10	0.106090		75	6.6	6.8
	11	0.067280		67	6.9	7.2
	12	0.016600		62	7.2	7.8
	13	0.059730		65	7.2	7.6
	14	0.125400	<0.16	60	7.2	7.6
	15	0.121260		61	7.2	7.4
	16	0.122620		61	6.8	7.3
	17	0.131600		62	6.6	7.1
	18	0.042530		63	7.1	7.5
	19	0.025570		62	6.9	7.2
	20	0.029050		68	7.4	7.8
	21	0.117130		69	7.0	7.6
	22	0.121280		59	6.9	7.4
	23	0.086120		61	6.8	7.4
	24	0.033500		60	7.0	7.4
	25	0.040870		63	7.3	7.7
	26	0.049190		63	7.5	8.0
	27	0.064710		68	7.1	8.1
	28	0.114660		57	6.9	7.2
	29	0.114940		55	7.2	7.7
	30	0.080170		58	7.8	8.2
	31	0.032360		66	7.5	8.2



	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	0.084208387	0	63.161290323	7.148387097	7.574193548
	Monthly Total					
	Daily Max	0.16469	<0.16	75	7.8	8.2
	Daily Min	0.01417	<0.16	55	6.6	6.8
	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		0.16			
	LOQ		0.5			
	QC Exceedance	N	N	N	N	N
	Lab Certification		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>	379	376	388	231	35
	<b>Description</b>	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Phosphorus, Total	Hardness, Total as CaCO3	Arsenic, Total Recoverable
	<b>Units</b>	minutes	Number	mg/L	mg/L	ug/L
	<b>Sample Type</b>	CONTINUOUS	CONTINUOUS	24 HR COMP	24 HR COMP	24 HR COMP
	<b>Frequency</b>	DAILY	DAILY	WEEKLY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>			0.18	360	56
	<b>2</b>					
	<b>3</b>					
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>			0.25	330	2
	<b>9</b>					
	<b>10</b>					
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>					
	<b>16</b>			0.38	380	33
	<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>			0.24	350	42
	<b>29</b>					
	<b>30</b>					
	<b>31</b>					

	Sample Point	001		001		001		001	
	Description	PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER	
	Parameter	379		376		388		231	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes		Phosphorus, Total		Hardness, Total as CaCO3	
	Units	minutes		Number		mg/L		mg/L	
<b>Summary Values</b>	Monthly Avg					0.2625		355	
	Monthly Total								
	Daily Max					0.38		380	
	Daily Min					0.18		330	
	Rolling 12 Month Avg					0.5			
<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	
	Lab Certification					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>	0.05992	25	0.02675	<0.49	<5.0
	<b>2</b>					
	<b>3</b>					
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>	0.02448	24	0.02448	<0.49	
	<b>9</b>					
	<b>10</b>					
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>					
	<b>16</b>	0.03366	19	0.01938	<0.49	
	<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>	0.04032	26	0.02496	<0.49	
	<b>29</b>					
	<b>30</b>					
	<b>31</b>					

	Sample Point	001		001		001		001	
	Description	PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER	
	Parameter	35		147		147		87	
	Description	Arsenic, Total Recoverable		Copper, Total Recoverable		Copper, Total Recoverable		Cadmium, Total Recoverable	
	Units	lbs/day		ug/L		lbs/day		ug/L	
<b>Summary Values</b>	Monthly Avg	0.039595		23.5		0.0238925		0	
	Monthly Total								
	Daily Max	0.05992		26		0.02675		<0.49	
	Daily Min	0.02448		19		0.01938		<0.49	
	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	
	LOQ			5				1	
	QC Exceedance	N		N		N		N	
	Lab Certification			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
<b>Sample Results</b>	<b>Day 1</b>			0.023142	<1.9	<1.3
	<b>2</b>			0.023211	<1.9	<1.3
	<b>3</b>			0.019580	3.0	
	<b>4</b>			0.009375	3.5	
	<b>5</b>					
	<b>6</b>					
	<b>7</b>			0.021436	4.5	
	<b>8</b>	<30		0.019507	2.0	<1.3
	<b>9</b>			0.018864	2.0	<1.3
	<b>10</b>			0.017517	2.0	
	<b>11</b>			0.008503	2.5	
	<b>12</b>					
	<b>13</b>					
	<b>14</b>		0.46	0.028558	2.0	
	<b>15</b>			0.015779	2.5	<1.3
	<b>16</b>			0.018594	2.0	<1.3
	<b>17</b>			0.018890	2.0	
	<b>18</b>			0.004664	4.0	
	<b>19</b>					
	<b>20</b>					
	<b>21</b>			0.018482	2.0	
	<b>22</b>			0.023696	2.0	<1.2
	<b>23</b>			0.017155	2.0	<1.3
	<b>24</b>					
	<b>25</b>					
	<b>26</b>					
	<b>27</b>					
	<b>28</b>			0.029840	3.0	
	<b>29</b>			0.018828	2.0	
	<b>30</b>			0.008999	<1.9	
	<b>31</b>					

	Sample Point	001		001		101		101		
	Description	PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		Metal Finishing Effluent		Metal Finishing Effluent		
	Parameter	112		280		211		457		
	Description	Chlorine, Total Residual		Mercury, Total Recoverable		Flow Rate		Suspended Solids, Total		
	Units	ug/L		ng/L		MGD		mg/L		
<b>Summary Values</b>	Monthly Avg	0		0.46		0.018231		2.15		
	Monthly Total									
	Daily Max	<30		0.46		0.02984		4.5		
	Daily Min	<30		0.46		0.004664		<1.9		
	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		0.16				1.2		
	LOQ	100		0.5				5		
	QC Exceedance	N		N		N		N		
	Lab Certification			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>	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	4.0	73	<3.0
	<b>2</b>	<0.49	<2.2	3.6	44	
	<b>3</b>					
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>	<0.49	<2.2		110	
	<b>9</b>	<0.49	<2.2		76	
	<b>10</b>					
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>	<0.49	<2.2	9.1	100	
	<b>16</b>	<0.49	<2.2	16	75	
	<b>17</b>					
	<b>18</b>					
	<b>19</b>					
	<b>20</b>					
	<b>21</b>					
	<b>22</b>	<0.49	<2.2	30	91	
	<b>23</b>	<0.49	3.0	14	87	
	<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>	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		0.375		12.783333333		82		0	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	<0.49		3		30		110		<3	
	<b>Daily Min</b>	<0.49		<2.2		3.6		44		<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>	3.3	<1.3	<1.1	6.5	7.1
	<b>2</b>	2.9	<1.3	<1.1	6.4	7.2
	<b>3</b>				6.0	7.0
	<b>4</b>				6.3	7.4
	<b>5</b>					
	<b>6</b>					
	<b>7</b>				7.6	7.9
	<b>8</b>	2.9	1.6	<1.1	7.3	7.8
	<b>9</b>	2.6	<1.3	<1.1	7.3	7.9
	<b>10</b>				7.2	8.0
	<b>11</b>				6.8	7.6
	<b>12</b>					
	<b>13</b>					
	<b>14</b>				6.7	7.4
	<b>15</b>	<1.7	<1.3	<1.1	6.7	7.2
	<b>16</b>	<1.7	<1.3	<1.1	6.6	7.4
	<b>17</b>				6.6	7.4
	<b>18</b>				6.4	6.9
	<b>19</b>					
	<b>20</b>					
	<b>21</b>				7.1	7.8
	<b>22</b>	5.2	<6.6	<1.1	7.2	7.5
	<b>23</b>	6.2	<6.6	<1.1	7.1	7.4
	<b>24</b>					
	<b>25</b>					
	<b>26</b>					
	<b>27</b>					
	<b>28</b>				6.8	7.6
	<b>29</b>				7.2	7.7
	<b>30</b>				7.9	8.5
	<b>31</b>					

	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	2.8875		0.2		0		6.885		7.535	
	Monthly Total										
	Daily Max	6.2		<6.6		<1.1		7.9		8.5	
	Daily Min	<1.7		<1.3		<1.1		6		6.9	
	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>					
	<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	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>					
	<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>	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>					

	<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>Sample Type</b>	24 HR COMP	CONTINUOUS	24 HR COMP	24 HR COMP	GRAB
	<b>Frequency</b>	MONTHLY	DAILY	WEEKLY	WEEKLY	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>					<0.16
	<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>					



	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					<0.16
	Daily Min					<0.16
	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					0.16
	LOQ					0.5
	QC Exceedance	N	N	N	N	N
	Lab Certification					999580010

	<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>	0.017804	<1.9	60	6.9	8.4
	<b>2</b>	0.015442			7.4	8.5
	<b>3</b>	0.011526			8.3	8.9
	<b>4</b>	0.011687			8.1	8.8
	<b>5</b>	0				
	<b>6</b>	0.014046			8.2	8.6
	<b>7</b>	0.013315			6.0	7.9
	<b>8</b>	0.009402			6.3	7.7
	<b>9</b>	0.015229			6.2	8.7
	<b>10</b>	0.016011			6.3	7.5
	<b>11</b>	0.012216			6.2	7.5
	<b>12</b>	0.007640			6.7	7.0
	<b>13</b>	0.004075			6.0	7.6
	<b>14</b>	0.013141	<1.9	68	6.2	7.7
	<b>15</b>	0.022659			6.7	8.5
	<b>16</b>	0.019417			7.5	8.9
	<b>17</b>	0.017580	<1.9	81	6.7	8.9
	<b>18</b>	0.012621			6.0	8.5
	<b>19</b>	0.004155			6.2	7.0
	<b>20</b>	0.009138			6.2	6.8
	<b>21</b>	0.012209			6.3	9.0
	<b>22</b>	0.015255			6.5	8.5
	<b>23</b>	0.015056			6.5	7.3
	<b>24</b>	0				
	<b>25</b>	0				
	<b>26</b>	0				
	<b>27</b>	0				
	<b>28</b>	0.015711	<1.9	65	6.6	7.1
	<b>29</b>	0.014313			6.5	7.0
	<b>30</b>	0				
	<b>31</b>	0				

	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	0.010311226	0	68.5	6.6875	8.0125	
	Monthly Total						
	Daily Max	0.022659	<1.9	81	8.3	9	
	Daily Min	0	<1.9	60	6	6.8	
	Rolling 12 Month Avg						
<b>Limit(s) in Effect</b>	Monthly Avg						
	Monthly Total						
	Daily Max			680	0	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		999580010	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

During the second week of sampling at SP101 for metals, Nickel was missed for that week and I didn't notice it until it was too late to have it tested.

Laboratory Quality Control Comments

# Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: TYCO FIRE PRODUCTS LP  
 Contact Address: One Stanton St  
 Marinette, WI 54143  
 Facility Contact: Mike Elliott, EHS Manager  
 Phone Number: 715-735-7415  
 Reporting Period: 01/01/2021 - 01/31/2021  
 Form Due Date: 02/21/2021  
 Permit Number: 0001040

Date Received:  
 DOC: 462020  
 FIN: 7245  
 FID: 438039470  
 Region: Northeast Region  
 Permit Drafter: Trevor J Moen  
 Reviewer: Laura A Gerold  
 Office: Green Bay

	Sample Point	001	703	001	703	001
	Description	Combined WW to Menominee River	Menominee River Intake	Combined WW to Menominee River	Menominee River Intake	Combined WW to Menominee River
	Parameter	211	211	377	35	480
	Description	Flow Rate	Flow Rate	pH Field	Arsenic, Total Recoverable	Temperature Maximum
	Units	MGD	gpd	su	ug/L	degF
	Sample Type	CONTINUOUS	TOT DAILY	CONTINUOUS	GRAB	MEASURE
	Frequency	DAILY	DAILY	DAILY	MONTHLY	WEEKLY
Sample Results	Day 1	0.03923		8.4		65
	2	0.03081		8.6		70
	3	0.07268		8.7		68
	4	0.13806		8.2		60
	5	0.12394		8.1		63
	6	0.12954		7.2		62
	7	0.12017		7.2		63
	8	0.07271		7.6		64
	9	0.05708		7.7		64
	10	0.08206		7.7		63
	11	0.12353		7.2		58
	12	0.12756		7.2		62
	13	0.13670		7.4		62
	14	0.17170		7.1		61
	15	0.11486		6.8		62
	16	0.03927		7.0		62
	17	0.04691		7.4		66
	18	0.11189		7.2		75
	19	0.14511		7.4		62
	20	0.15224		7.3		60
	21	0.14334		7.2	2.7	62
	22	0.14041		7.1		
	23	0.06834		7.7		
	24	0.10101		7.9		
	25	0.16062		7.2		63
	26	0.14057		7.0		62
	27	0.15374		7.0		66
	28	0.15118		7.1		65
	29	0.11471		7.1		56
	30	0.08640		7.8		62
	31	0.10856		8.0		60

	Sample Point	001		703		001		703		001	
	Description	Combined WW to Menominee River		Menominee River Intake		Combined WW to Menominee River		Menominee River Intake		Combined WW to Menominee River	
	Parameter	211		211		377		35		480	
	Description	Flow Rate		Flow Rate		pH Field		Arsenic, Total Recoverable		Temperature Maximum	
	Units	MGD		gpd		su		ug/L		degF	
<b>Summary Values</b>	Monthly Avg	0.109836452				7.5		2.7		63.142857143	
	Monthly Total										
	Daily Max	0.1717				8.7		2.7		75	
	Daily Min	0.03081				6.8		2.7		56	
<b>Limit(s) in Effect</b>	Monthly Avg										
	Monthly Total										
	Daily Max					9	0				
	Daily Min					6	0				
<b>QA/QC Information</b>	LOD							2.1			
	LOQ							5			
	QC Exceedance	N		N		N		N		N	
	Lab Certification							999580010			



	<b>Sample Point</b>	001	001	001	001	001	
	<b>Description</b>	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	
	<b>Parameter</b>	231	35	35	87	87	
	<b>Description</b>	Hardness, Total as CaCO3	Arsenic, Total Recoverable	Arsenic, Total Recoverable	Cadmium, Total Recoverable	Cadmium, Total Recoverable	
	<b>Units</b>	mg/L	ug/L	lbs/day	ug/L	lbs/day	
	<b>Sample Type</b>	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	CALCULATED	
	<b>Frequency</b>	MONTHLY	MONTHLY	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>	320	37	0.04699	<0.49	0
		<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>	001		001		001		001		001	
	<b>Description</b>	Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River	
	<b>Parameter</b>	231		35		35		87		87	
	<b>Description</b>	Hardness, Total as CaCO3		Arsenic, Total Recoverable		Arsenic, Total Recoverable		Cadmium, Total Recoverable		Cadmium, Total Recoverable	
	<b>Units</b>	mg/L		ug/L		lbs/day		ug/L		lbs/day	
<b>Summary Values</b>	<b>Monthly Avg</b>	320		37		0.04699		0		0	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	320		37		0.04699		<0.49		0	
	<b>Daily Min</b>	320		37		0.04699		<0.49		0	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>							57	0		
	<b>Monthly Total</b>										
	<b>Daily Max</b>			170	0	0.81	0	57	0	0.27	0
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>			2.1				0.49			
	<b>LOQ</b>			5				1			
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>	999580010		999580010				999580010			

	<b>Sample Point</b>	001	001	001	001	001	
	<b>Description</b>	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	
	<b>Parameter</b>	147	147	152	152	112	
	<b>Description</b>	Copper, Total Recoverable	Copper, Total Recoverable	Cyanide, Amenable	Cyanide, Amenable	Chlorine, Total Residual	
	<b>Units</b>	ug/L	lbs/day	ug/L	lbs/day	ug/L	
	<b>Sample Type</b>	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	CALCULATED	GRAB	
	<b>Frequency</b>	MONTHLY	MONTHLY	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>	22	0.02794	5.6	0.007112	20
		<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>	001		001		001		001		001	
	<b>Description</b>	Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River	
	<b>Parameter</b>	147		147		152		152		112	
	<b>Description</b>	Copper, Total Recoverable		Copper, Total Recoverable		Cyanide, Amenable		Cyanide, Amenable		Chlorine, Total Residual	
	<b>Units</b>	ug/L		lbs/day		ug/L		lbs/day		ug/L	
<b>Summary Values</b>	<b>Monthly Avg</b>	22		0.02794		5.6		0.007112		20	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	22		0.02794		5.6		0.007112		20	
	<b>Daily Min</b>	22		0.02794		5.6		0.007112		20	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	69	0			92	0			38	0
	<b>Monthly Total</b>										
	<b>Daily Max</b>	69	0	0.98	0	92	0	0.44	0	38	0
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>	1.7				5				30	
	<b>LOQ</b>	5				10				100	
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>	999580010				999580010					

	<b>Sample Point</b>	001	001	001	001	101	
	<b>Description</b>	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	Metal Finishing Effluent	
	<b>Parameter</b>	280	1352	1353	1353	211	
	<b>Description</b>	Mercury, Total Recoverable	PFOA	PFOS	PFOS	Flow Rate	
	<b>Units</b>	ng/L	ng/L	ng/L	mg/day	MGD	
	<b>Sample Type</b>	GRAB	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CONTINUOUS	
	<b>Frequency</b>	MONTHLY	MONTHLY	MONTHLY	MONTHLY	DAILY	
<b>Sample Results</b>	<b>Day 1</b>						
	<b>2</b>						
	<b>3</b>						
	<b>4</b>					0.056409	
	<b>5</b>					0.029948	
	<b>6</b>					0.031912	
	<b>7</b>					0.020284	
	<b>8</b>					0.008221	
	<b>9</b>						
	<b>10</b>						
	<b>11</b>					0.035755	
	<b>12</b>					0.032142	
	<b>13</b>					0.031716	
	<b>14</b>					0.026196	
	<b>15</b>					0.009074	
	<b>16</b>						
	<b>17</b>						
	<b>18</b>						
	<b>19</b>					0.045194	
	<b>20</b>			75	11	0.000011	0.029171
	<b>21</b>						0.025840
	<b>22</b>						0.010937
	<b>23</b>						
	<b>24</b>						
	<b>25</b>						0.036027
	<b>26</b>		1.38				0.026168
	<b>27</b>						0.025594
	<b>28</b>						0.023750
	<b>29</b>						0.004884
	<b>30</b>						
	<b>31</b>						

	Sample Point	001		001		001		001		101	
	Description	Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River		Metal Finishing Effluent	
	Parameter	280		1352		1353		1353		211	
	Description	Mercury, Total Recoverable		PFOA		PFOS		PFOS		Flow Rate	
	Units	ng/L		ng/L		ng/L		mg/day		MGD	
<b>Summary Values</b>	Monthly Avg	1.38		75		11		1.1E-05		0.026801158	
	Monthly Total										
	Daily Max	1.38		75		11		1.1E-05		0.056409	
	Daily Min	1.38		75		11		1.1E-05		0.004884	
<b>Limit(s) in Effect</b>	Monthly Avg										
	Monthly Total										
	Daily Max	29	0								
	Daily Min										
<b>QA/QC Information</b>	LOD	0.16		0.77		0.49					
	LOQ	0.5		1.8		1.8					
	QC Exceedance	N		N		N		N		N	
	Lab Certification	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>	377	379	376	457	651
	<b>Description</b>	pH Field	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Suspended Solids, Total	Oil & Grease (Hexane)
	<b>Units</b>	su	minutes	Number	mg/L	mg/L
	<b>Sample Type</b>	CONTINUOUS	CONTINUOUS	CONTINUOUS	24 HR FLOW PROP	GRAB
	<b>Frequency</b>	DAILY	DAILY	DAILY	3/WEEK	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>					
	<b>2</b>					
	<b>3</b>					
	<b>4</b>	8.2			2.0	<1.3
	<b>5</b>	8.0			<1.9	
	<b>6</b>	8.2			<1.9	
	<b>7</b>	8.0				
	<b>8</b>	7.6				
	<b>9</b>					
	<b>10</b>					
	<b>11</b>	7.8			2.0	
	<b>12</b>	7.6			<1.9	
	<b>13</b>	7.3			<1.9	
	<b>14</b>	7.9				
	<b>15</b>	7.4				
	<b>16</b>					
	<b>17</b>					
	<b>18</b>					
	<b>19</b>	7.3			3.0	
	<b>20</b>	7.2			6.0	
	<b>21</b>	7.4			3.5	
	<b>22</b>	7.2				
	<b>23</b>					
	<b>24</b>					
	<b>25</b>	8.2			7.0	
	<b>26</b>	7.6			2.0	
	<b>27</b>	7.6			<1.9	
	<b>28</b>	7.6				
	<b>29</b>	7.4				
	<b>30</b>					
	<b>31</b>					

	<b>Sample Point</b>	101		101		101		101		
	<b>Description</b>	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		
	<b>Parameter</b>	377		379		376		457		
	<b>Description</b>	pH Field		pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes		Suspended Solids, Total		
	<b>Units</b>	su		minutes		Number		mg/L		
<b>Summary Values</b>	<b>Monthly Avg</b>	7.657894737						2.125		
	<b>Monthly Total</b>									
	<b>Daily Max</b>	8.2						7		
	<b>Daily Min</b>	7.2						<1.9		
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>						31	0	26	0
	<b>Monthly Total</b>			446	0	0	0			
	<b>Daily Max</b>	9	0				60	0	52	0
	<b>Daily Min</b>	6	0							
<b>QA/QC Information</b>	<b>LOD</b>									1.3
	<b>LOQ</b>									4.9
	<b>QC Exceedance</b>	N		N		N		N		N
	<b>Lab Certification</b>							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>	87	147	315	553	507	
	<b>Description</b>	Cadmium, Total Recoverable	Copper, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Total Toxic Organics	
	<b>Units</b>	ug/L	ug/L	ug/L	ug/L	ug/L	
	<b>Sample Type</b>	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	
	<b>Frequency</b>	MONTHLY	MONTHLY	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>		<0.49	3.6	39	190	
	<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>	87		147		315		553		507	
	<b>Description</b>	Cadmium, Total Recoverable		Copper, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable		Total Toxic Organics	
	<b>Units</b>	ug/L		ug/L		ug/L		ug/L		ug/L	
<b>Summary Values</b>	<b>Monthly Avg</b>	0		3.6		39		190			
	<b>Monthly Total</b>										
	<b>Daily Max</b>	<0.49		3.6		39		190			
	<b>Daily Min</b>	<0.49		3.6		39		190			
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	260	0	2070	0	2380	0	1480	0		
	<b>Monthly Total</b>										
	<b>Daily Max</b>	690	0	3380	0	3980	0	2610	0	2130	
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>	0.49		1.7		1.5		3.6			
	<b>LOQ</b>	1		5		5		10			
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>	999580010		999580010		999580010		999580010			

	<b>Sample Point</b>	101	101	101	101	704	
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	GWCTS Influent	
	<b>Parameter</b>	280	280	35	35	211	
	<b>Description</b>	Mercury, Total Recoverable	Mercury, Total Recoverable	Arsenic, Total Recoverable	Arsenic, Total Recoverable	Flow Rate	
	<b>Units</b>	ng/L	mg/day	ug/L	lbs/day	gpd	
	<b>Sample Type</b>	GRAB	CALCULATED	24 HR FLOW PROP	CALCULATED	CONTINUOUS	
	<b>Frequency</b>	MONTHLY	MONTHLY	MONTHLY	MONTHLY	DAILY	
<b>Sample Results</b>	<b>Day 1</b>					0	
	<b>2</b>					0	
	<b>3</b>					0	
	<b>4</b>					19779	
	<b>5</b>					15131	
	<b>6</b>					0	
	<b>7</b>					0	
	<b>8</b>					0	
	<b>9</b>					17908	
	<b>10</b>					0	
	<b>11</b>				<2.1	0.00063	12226
	<b>12</b>					11951	
	<b>13</b>					14639	
	<b>14</b>					8980	
	<b>15</b>					14231	
	<b>16</b>					0	
	<b>17</b>					0	
	<b>18</b>					0	
	<b>19</b>					24187	
	<b>20</b>					109	
	<b>21</b>					0	
	<b>22</b>					0	
	<b>23</b>					0	
	<b>24</b>					0	
	<b>25</b>					17433	
	<b>26</b>		0.29	0.0000002			0
	<b>27</b>						11664
	<b>28</b>						8357
	<b>29</b>						12755
	<b>30</b>						0
	<b>31</b>						5898

	<b>Sample Point</b>	101	101	101	101	704
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	GWCTS Influent
	<b>Parameter</b>	280	280	35	35	211
	<b>Description</b>	Mercury, Total Recoverable	Mercury, Total Recoverable	Arsenic, Total Recoverable	Arsenic, Total Recoverable	Flow Rate
	<b>Units</b>	ng/L	mg/day	ug/L	lbs/day	gpd
<b>Summary Values</b>	<b>Monthly Avg</b>	0.29	2E-07	0	0.00063	6298.322580645
	<b>Monthly Total</b>					
	<b>Daily Max</b>	0.29	2E-07	<2.1	0.00063	24187
	<b>Daily Min</b>	0.29	2E-07	<2.1	0.00063	0
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					
	<b>Monthly Total</b>					
	<b>Daily Max</b>					
	<b>Daily Min</b>					
<b>QA/QC Information</b>	<b>LOD</b>	0.16		2.1		
	<b>LOQ</b>	0.5		5		
	<b>QC Exceedance</b>	N	N	N	N	N
	<b>Lab Certification</b>	999580010		999580010		

	<b>Sample Point</b>	704	704	704	107	003
	<b>Description</b>	GWCTS Influent	GWCTS Influent	GWCTS Influent	Mercury Field Blank Results	GWCTS Effluent
	<b>Parameter</b>	35	457	280	280	211
	<b>Description</b>	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable	Mercury, Total Recoverable	Flow Rate
	<b>Units</b>	ug/L	mg/L	ng/L	ng/L	MGD
	<b>Sample Type</b>	24 HR FLOW PROP	24 HR FLOW PROP	GRAB	BLANK	CONTINUOUS
	<b>Frequency</b>	WEEKLY	WEEKLY	MONTHLY	MONTHLY	DAILY
<b>Sample Results</b>	<b>Day 1</b>					0
	<b>2</b>					0
	<b>3</b>					0
	<b>4</b>	13000	2300			0.021918
	<b>5</b>					0.013500
	<b>6</b>					0
	<b>7</b>					0
	<b>8</b>					0
	<b>9</b>					0.017857
	<b>10</b>					0
	<b>11</b>	25000	120			0.006249
	<b>12</b>					0.014616
	<b>13</b>					0.015069
	<b>14</b>					0.016287
	<b>15</b>					0.013987
	<b>16</b>					0
	<b>17</b>					0
	<b>18</b>					0
	<b>19</b>					0.021752
	<b>20</b>	36000	37			0.002847
	<b>21</b>					0
	<b>22</b>					0
	<b>23</b>					0
	<b>24</b>					0
	<b>25</b>					0.015136
	<b>26</b>					0
	<b>27</b>	11000	760	168	<0.16	0.012014
	<b>28</b>					0.009594
	<b>29</b>					0.011376
	<b>30</b>					0
	<b>31</b>					0.009193

	Sample Point	704	704	704	107	003
	Description	GWCTS Influent	GWCTS Influent	GWCTS Influent	Mercury Field Blank Results	GWCTS Effluent
	Parameter	35	457	280	280	211
	Description	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable	Mercury, Total Recoverable	Flow Rate
	Units	ug/L	mg/L	ng/L	ng/L	MGD
Summary Values	Monthly Avg	21250	804.25	168	0	0.006496613
	Monthly Total					
	Daily Max	36000	2300	168	<0.16	0.021918
	Daily Min	11000	37	168	<0.16	0
Limit(s) in Effect	Monthly Avg					
	Monthly Total					
	Daily Max					
	Daily Min					
QA/QC Information	LOD	100		16	0.16	
	LOQ	2500		50	0.5	
	QC Exceedance	N	N	N	N	N
	Lab Certification	999580010	999580010	999580010	999580010	

	<b>Sample Point</b>	003	003	003	003	003
	<b>Description</b>	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent
	<b>Parameter</b>	377	35	35	457	280
	<b>Description</b>	pH Field	Arsenic, Total Recoverable	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable
	<b>Units</b>	su	ug/L	lbs/day	mg/L	ng/L
	<b>Sample Type</b>	CONTINUOUS	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	24 HR FLOW PROP
	<b>Frequency</b>	DAILY	WEEKLY	WEEKLY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>					
	<b>2</b>					
	<b>3</b>					
	<b>4</b>	6.8	51	0.00918	<1.9	
	<b>5</b>	6.3				
	<b>6</b>					
	<b>7</b>					
	<b>8</b>					
	<b>9</b>	6.5				
	<b>10</b>					
	<b>11</b>	6.8	56	0.0029176		
	<b>12</b>	8.8				
	<b>13</b>	8.9				
	<b>14</b>	7.1				
	<b>15</b>	6.9				
	<b>16</b>					
	<b>17</b>					
	<b>18</b>					
	<b>19</b>	6.6				
	<b>20</b>	6.3	63	0.0014931		
	<b>21</b>					
	<b>22</b>					
	<b>23</b>					
	<b>24</b>					
	<b>25</b>	7.9				
	<b>26</b>					0.17
	<b>27</b>	6.2	67	0.0067134		
	<b>28</b>	6.4				
	<b>29</b>	7.1				
	<b>30</b>					
	<b>31</b>	6.6				

	<b>Sample Point</b>	003		003		003		003		003	
	<b>Description</b>	GWCTS Effluent		GWCTS Effluent		GWCTS Effluent		GWCTS Effluent		GWCTS Effluent	
	<b>Parameter</b>	377		35		35		457		280	
	<b>Description</b>	pH Field		Arsenic, Total Recoverable		Arsenic, Total Recoverable		Suspended Solids, Total		Mercury, Total Recoverable	
	<b>Units</b>	su		ug/L		lbs/day		mg/L		ng/L	
<b>Summary Values</b>	<b>Monthly Avg</b>	7.013333333		59.25		0.005076025		0		0.17	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	8.9		67		0.00918		<1.9		0.17	
	<b>Daily Min</b>	6.2		51		0.0014931		<1.9		0.17	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>										
	<b>Monthly Total</b>										
	<b>Daily Max</b>	9	0	680	0	0.23	0			24	0
	<b>Daily Min</b>	6	0								
<b>QA/QC Information</b>	<b>LOD</b>			2.1						0.16	
	<b>LOQ</b>			5						0.5	
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>			999580010				999580010		999580010	



	<b>Sample Point</b>	003	003	003	003	003
	<b>Description</b>	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent
	<b>Parameter</b>	231	112	1352	1353	1353
	<b>Description</b>	Hardness, Total as CaCO3	Chlorine, Total Residual	PFOA	PFOS	PFOS
	<b>Units</b>	mg/L	ug/L	ng/L	ng/L	mg/day
	<b>Sample Type</b>	24 HR FLOW PROP	GRAB	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED
	<b>Frequency</b>	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
<b>Sample Results</b>	<b>Day 1</b>					
	<b>2</b>					
	<b>3</b>					
	<b>4</b>			33	1.8	0.0000018
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>					
	<b>9</b>					
	<b>10</b>					
	<b>11</b>	1.7		29	1.6	0.0000016
	<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>			30	2.5	0.0000025
	<b>21</b>		<1			
	<b>22</b>					
	<b>23</b>					
	<b>24</b>					
	<b>25</b>					
	<b>26</b>					
	<b>27</b>			35	1.7	0.0000017
	<b>28</b>					
	<b>29</b>					
	<b>30</b>					
	<b>31</b>					

	<b>Sample Point</b>	003		003		003		003		003	
	<b>Description</b>	GWCTS Effluent		GWCTS Effluent		GWCTS Effluent		GWCTS Effluent		GWCTS Effluent	
	<b>Parameter</b>	231		112		1352		1353		1353	
	<b>Description</b>	Hardness, Total as CaCO3		Chlorine, Total Residual		PFOA		PFOS		PFOS	
	<b>Units</b>	mg/L		ug/L		ng/L		ng/L		mg/day	
<b>Summary Values</b>	<b>Monthly Avg</b>	1.7		0		31.75		1.9		1.9E-06	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	1.7		<1		35		2.5		2.5E-06	
	<b>Daily Min</b>	1.7		<1		29		1.6		1.6E-06	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>			38	0						
	<b>Monthly Total</b>										
	<b>Daily Max</b>			38	0						
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>			30		0.8		0.51			
	<b>LOQ</b>			100		1.8		1.8			
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>	999580010									

	<b>Sample Point</b>	004	004	004	004	004
	<b>Description</b>	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW
	<b>Parameter</b>	211	377	112	35	35
	<b>Description</b>	Flow Rate	pH Field	Chlorine, Total Residual	Arsenic, Total Recoverable	Arsenic, Total Recoverable
	<b>Units</b>	MGD	su	ug/L	ug/L	lbs/day
	<b>Sample Type</b>	CONTINUOUS	CONTINUOUS	GRAB	24 HR FLOW PROP	CALCULATED
	<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>					

	Sample Point	004		004		004		004		004	
	Description	Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW	
	Parameter	211		377		112		35		35	
	Description	Flow Rate		pH Field		Chlorine, Total Residual		Arsenic, Total Recoverable		Arsenic, Total Recoverable	
	Units	MGD		su		ug/L		ug/L		lbs/day	
<b>Summary Values</b>	Monthly Avg										
	Monthly Total										
	Daily Max										
	Daily Min										
<b>Limit(s) in Effect</b>	Monthly Avg					38					
	Monthly Total										
	Daily Max			9		38		194		0.22	
	Daily Min			6							
<b>QA/QC Information</b>	LOD										
	LOQ										
	QC Exceedance										
	Lab Certification										

	<b>Sample Point</b>	004	004	004	004	004
	<b>Description</b>	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW
	<b>Parameter</b>	280	280	87	87	147
	<b>Description</b>	Mercury, Total Recoverable	Mercury, Total Recoverable	Cadmium, Total Recoverable	Cadmium, Total Recoverable	Copper, Total Recoverable
	<b>Units</b>	ng/L	mg/day	ug/L	lbs/day	ug/L
	<b>Sample Type</b>	GRAB	CALCULATED	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP
	<b>Frequency</b>	MONTHLY	MONTHLY	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>					

	Sample Point	004		004		004		004		004	
	Description	Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW	
	Parameter	280		280		87		87		147	
	Description	Mercury, Total Recoverable		Mercury, Total Recoverable		Cadmium, Total Recoverable		Cadmium, Total Recoverable		Copper, Total Recoverable	
	Units	ng/L		mg/day		ug/L		lbs/day		ug/L	
<b>Summary Values</b>	Monthly Avg										
	Monthly Total										
	Daily Max										
	Daily Min										
<b>Limit(s) in Effect</b>	Monthly Avg					57				69	
	Monthly Total										
	Daily Max	18				57		0.23		69	
	Daily Min										
<b>QA/QC Information</b>	LOD										
	LOQ										
	QC Exceedance										
	Lab Certification										

	<b>Sample Point</b>	004	004	004	004	004
	<b>Description</b>	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW
	<b>Parameter</b>	147	315	315	553	553
	<b>Description</b>	Copper, Total Recoverable	Nickel, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Zinc, Total Recoverable
	<b>Units</b>	lbs/day	ug/L	lbs/day	ug/L	lbs/day
	<b>Sample Type</b>	CALCULATED	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	CALCULATED
	<b>Frequency</b>	MONTHLY	MONTHLY	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>	004		004		004		004		004	
	<b>Description</b>	Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW	
	<b>Parameter</b>	147		315		315		553		553	
	<b>Description</b>	Copper, Total Recoverable		Nickel, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable		Zinc, Total Recoverable	
	<b>Units</b>	lbs/day		ug/L		lbs/day		ug/L		lbs/day	
<b>Summary Values</b>	<b>Monthly Avg</b>										
	<b>Monthly Total</b>										
	<b>Daily Max</b>										
	<b>Daily Min</b>										
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>			2000				520			
	<b>Monthly Total</b>										
	<b>Daily Max</b>	0.28		2000		8.10		520		2.10	
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>										
	<b>LOQ</b>										
	<b>QC Exceedance</b>										
	<b>Lab Certification</b>										



	<b>Sample Point</b>	004	004	004	004	004
	<b>Description</b>	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW
	<b>Parameter</b>	152	152	231	480	1352
	<b>Description</b>	Cyanide, Amenable	Cyanide, Amenable	Hardness, Total as CaCO3	Temperature Maximum	PFOA
	<b>Units</b>	ug/L	lbs/day	mg/L	degF	ng/L
	<b>Sample Type</b>	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	MEASURE	24 HR FLOW PROP
	<b>Frequency</b>	MONTHLY	MONTHLY	MONTHLY	WEEKLY	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>	004		004		004		004		004	
	<b>Description</b>	Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW	
	<b>Parameter</b>	152		152		231		480		1352	
	<b>Description</b>	Cyanide, Amenable		Cyanide, Amenable		Hardness, Total as CaCO3		Temperature Maximum		PFOA	
	<b>Units</b>	ug/L		lbs/day		mg/L		degF		ng/L	
<b>Summary Values</b>	<b>Monthly Avg</b>										
	<b>Monthly Total</b>										
	<b>Daily Max</b>										
	<b>Daily Min</b>										
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	92									
	<b>Monthly Total</b>										
	<b>Daily Max</b>	92		0.37							
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>										
	<b>LOQ</b>										
	<b>QC Exceedance</b>										
	<b>Lab Certification</b>										

	<b>Sample Point</b>	004	004	108	108	108
	<b>Description</b>	Combined Process WW & GW	Combined Process WW & GW	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent
	<b>Parameter</b>	1353	1353	211	457	35
	<b>Description</b>	PFOS	PFOS	Flow Rate	Suspended Solids, Total	Arsenic, Total Recoverable
	<b>Units</b>	ng/L	mg/day	MGD	mg/L	ug/L
	<b>Sample Type</b>	24 HR FLOW PROP	CALCULATED	CONTINUOUS	24 HR FLOW PROP	24 HR FLOW PROP
	<b>Frequency</b>	MONTHLY	MONTHLY	DAILY	WEEKLY	WEEKLY
<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>					

	Sample Point	004		004		108		108		108	
	Description	Combined Process WW & GW		Combined Process WW & GW		GWCTS Effluent		GWCTS Effluent		GWCTS Effluent	
	Parameter	1353		1353		211		457		35	
	Description	PFOS		PFOS		Flow Rate		Suspended Solids, Total		Arsenic, Total Recoverable	
	Units	ng/L		mg/day		MGD		mg/L		ug/L	
<b>Summary Values</b>	Monthly Avg										
	Monthly Total										
	Daily Max										
	Daily Min										
<b>Limit(s) in Effect</b>	Monthly Avg	11		2.10							
	Monthly Total										
	Daily Max	11								500	
	Daily Min										
<b>QA/QC Information</b>	LOD										
	LOQ										
	QC Exceedance										
	Lab Certification										

	<b>Sample Point</b>	108	108	108	108	108
	<b>Description</b>	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent
	<b>Parameter</b>	35	280	280	1352	1353
	<b>Description</b>	Arsenic, Total Recoverable	Mercury, Total Recoverable	Mercury, Total Recoverable	PFOA	PFOS
	<b>Units</b>	lbs/day	ng/L	mg/day	ng/L	ng/L
	<b>Sample Type</b>	CALCULATED	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	24 HR FLOW PROP
	<b>Frequency</b>	WEEKLY	MONTHLY	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>	108		108		108		108		108	
	<b>Description</b>	GWCTS Effluent		GWCTS Effluent		GWCTS Effluent		GWCTS Effluent		GWCTS Effluent	
	<b>Parameter</b>	35		280		280		1352		1353	
	<b>Description</b>	Arsenic, Total Recoverable		Mercury, Total Recoverable		Mercury, Total Recoverable		PFOA		PFOS	
	<b>Units</b>	lbs/day		ng/L		mg/day		ng/L		ng/L	
<b>Summary Values</b>	<b>Monthly Avg</b>										
	<b>Monthly Total</b>										
	<b>Daily Max</b>										
	<b>Daily Min</b>										
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>										
	<b>Monthly Total</b>										
	<b>Daily Max</b>	0.17		24							
	<b>Daily Min</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>										

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

General Remarks

The temperature chart had a malfunction at OF001 on days 1-22-21 - 1-24-21 so, there were no readings.

Laboratory Quality Control Comments

Submitted by Anne Fleury(afleury16) on 2/19/2021 9:27:23 AM

# Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: TYCO FIRE PRODUCTS LP  
 Contact Address: One Stanton St  
 Marinette, WI 54143  
 Facility Contact: Mike Elliott, EHS Manager  
 Phone Number: 715-735-7415  
 Reporting Period: 02/01/2021 - 02/28/2021  
 Form Due Date: 03/21/2021  
 Permit Number: 0001040

Date Received:  
 DOC: 466355  
 FIN: 7245  
 FID: 438039470  
 Region: Northeast Region  
 Permit Drafter: Trevor J Moen  
 Reviewer: Laura A Gerold  
 Office: Green Bay

	Sample Point	703	001	001	703	001
	Description	Menominee River Intake	Combined WW to Menominee River	Combined WW to Menominee River	Menominee River Intake	Combined WW to Menominee River
	Parameter	211	211	373	35	374
	Description	Flow Rate	Flow Rate	pH (Maximum)	Arsenic, Total Recoverable	pH (Minimum)
	Units	gpd	MGD	su	ug/L	su
	Sample Type	TOT DAILY	CONTINUOUS	CONTINUOUS	GRAB	CONTINUOUS
	Frequency	DAILY	DAILY	DAILY	MONTHLY	DAILY
Sample Results	Day 1		0.18470	7.3		6.7
	2		0.18907	7.5		6.7
	3		0.15519	7.4		7.0
	4		0.15708	7.5		7.0
	5		0.09799	7.5		7.1
	6		0.07416	7.8		7.4
	7		0.10219	7.8		7.5
	8		0.15992	7.6		7.1
	9		0.14226	7.3		6.9
	10		0.15030	7.4		6.9
	11		0.14885	7.6		6.8
	12		0.11191	7.6		7.0
	13		0.10269	8.5		7.4
	14		0.08744	8.6		7.6
	15		0.14190	7.0		6.7
	16		0.14588	7.1		6.7
	17		0.15000	7.1		6.9
	18		0.14153	7.1	<2.1	6.8
	19		0.10039	7.5		7.0
	20		0.09713	7.6		7.0
	21		0.11810	7.7		7.0
	22		0.15031	7.3		7.0
	23		0.21000	7.4		7.0
	24		0.16826	7.3		7.1
	25		0.14532	7.6		7.0
	26		0.13131	7.5		7.2
	27		0.10054	7.6		7.3
	28		0.10628	7.7		7.3
	29					
	30					
	31					



	Sample Point	703	001	001	703	001
	Description	Menominee River Intake	Combined WW to Menominee River	Combined WW to Menominee River	Menominee River Intake	Combined WW to Menominee River
	Parameter	211	211	373	35	374
	Description	Flow Rate	Flow Rate	pH (Maximum)	Arsenic, Total Recoverable	pH (Minimum)
	Units	gpd	MGD	su	ug/L	su
<b>Summary Values</b>	<b>Monthly Avg</b>		0.134667857	7.532142857	0	7.039285714
	<b>Monthly Total</b>					
	<b>Daily Max</b>		0.21	8.6	<2.1	7.6
	<b>Daily Min</b>		0.07416	7	<2.1	6.7
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					
	<b>Monthly Total</b>					
	<b>Daily Max</b>			9	0	
	<b>Daily Min</b>					6
<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>				999580010	

	<b>Sample Point</b>	001	001	001	001	001
	<b>Description</b>	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River
	<b>Parameter</b>	480	231	35	35	87
	<b>Description</b>	Temperature Maximum	Hardness, Total as CaCO3	Arsenic, Total Recoverable	Arsenic, Total Recoverable	Cadmium, Total Recoverable
	<b>Units</b>	degF	mg/L	ug/L	lbs/day	ug/L
	<b>Sample Type</b>	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP
	<b>Frequency</b>	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>	60				
	<b>2</b>	61				
	<b>3</b>	71				
	<b>4</b>	64				
	<b>5</b>	61				
	<b>6</b>	66				
	<b>7</b>	61				
	<b>8</b>	61				
	<b>9</b>	64				
	<b>10</b>	65				
	<b>11</b>	62				
	<b>12</b>	59				
	<b>13</b>	56				
	<b>14</b>	77				
	<b>15</b>	57				
	<b>16</b>	59	300	46	0.05612	<0.49
	<b>17</b>	60				
	<b>18</b>	60				
	<b>19</b>	60				
	<b>20</b>	57				
	<b>21</b>	64				
	<b>22</b>	62				
	<b>23</b>	60				
	<b>24</b>	61				
	<b>25</b>	60				
	<b>26</b>	63				
	<b>27</b>	59				
	<b>28</b>	65				
	<b>29</b>					
	<b>30</b>					
	<b>31</b>					

	Sample Point	001		001		001		001	
	Description	Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River	
	Parameter	480		231		35		35	
	Description	Temperature Maximum		Hardness, Total as CaCO3		Arsenic, Total Recoverable		Arsenic, Total Recoverable	
	Units	degF		mg/L		ug/L		lbs/day	
<b>Summary Values</b>	Monthly Avg	61.964285714		300		46		0.05612	
	Monthly Total								
	Daily Max	77		300		46		0.05612	
	Daily Min	56		300		46		0.05612	
<b>Limit(s) in Effect</b>	Monthly Avg							57	0
	Monthly Total								
	Daily Max					170	0	0.81	0
	Daily Min								
<b>QA/QC Information</b>	LOD					2.1		0.49	
	LOQ					5		1	
	QC Exceedance	N		N		N		N	
	Lab Certification			999580010		999580010		999580010	

	<b>Sample Point</b>	001	001	001	001	001	
	<b>Description</b>	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	
	<b>Parameter</b>	87	147	147	152	152	
	<b>Description</b>	Cadmium, Total Recoverable	Copper, Total Recoverable	Copper, Total Recoverable	Cyanide, Amenable	Cyanide, Amenable	
	<b>Units</b>	lbs/day	ug/L	lbs/day	ug/L	lbs/day	
	<b>Sample Type</b>	CALCULATED	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	CALCULATED	
	<b>Frequency</b>	MONTHLY	MONTHLY	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>		0.0005978	32	0.03904	<2.5	0.00305
	<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>	001		001		001		001		001	
	<b>Description</b>	Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River	
	<b>Parameter</b>	87		147		147		152		152	
	<b>Description</b>	Cadmium, Total Recoverable		Copper, Total Recoverable		Copper, Total Recoverable		Cyanide, Amenable		Cyanide, Amenable	
	<b>Units</b>	lbs/day		ug/L		lbs/day		ug/L		lbs/day	
<b>Summary Values</b>	<b>Monthly Avg</b>	0.0005978		32		0.03904		0		0.00305	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	0.0005978		32		0.03904		<2.5		0.00305	
	<b>Daily Min</b>	0.0005978		32		0.03904		<2.5		0.00305	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>			69		0		92		0	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	0.27		0		69		0		0.98	
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>			1.7				2.5			
	<b>LOQ</b>			5				5			
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>			999580010				999580010			

	<b>Sample Point</b>	001	001	001	001	001	
	<b>Description</b>	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	Combined WW to Menominee River	
	<b>Parameter</b>	112	280	1352	1353	1353	
	<b>Description</b>	Chlorine, Total Residual	Mercury, Total Recoverable	PFOA	PFOS	PFOS	
	<b>Units</b>	ug/L	ng/L	ng/L	ng/L	mg/day	
	<b>Sample Type</b>	GRAB	GRAB	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	
	<b>Frequency</b>	MONTHLY	MONTHLY	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>				120	18	0.000018
	<b>17</b>		<1				
	<b>18</b>						
	<b>19</b>						
	<b>20</b>						
	<b>21</b>						
	<b>22</b>			0.69			
	<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>						

	Sample Point	001		001		001		001		001	
	Description	Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River		Combined WW to Menominee River	
	Parameter	112		280		1352		1353		1353	
	Description	Chlorine, Total Residual		Mercury, Total Recoverable		PFOA		PFOS		PFOS	
	Units	ug/L		ng/L		ng/L		ng/L		mg/day	
<b>Summary Values</b>	Monthly Avg	0		0.69		120		18		1.8E-05	
	Monthly Total										
	Daily Max	<1		0.69		120		18		1.8E-05	
	Daily Min	<1		0.69		120		18		1.8E-05	
<b>Limit(s) in Effect</b>	Monthly Avg	38	0								
	Monthly Total										
	Daily Max	38	0	29	0						
	Daily Min										
<b>QA/QC Information</b>	LOD	30		0.16		7.5		4.8			
	LOQ	100		0.5		18		18			
	QC Exceedance	N		N		N		N		N	
	Lab Certification			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>	211	373	374	379	376
	<b>Description</b>	Flow Rate	pH (Maximum)	pH (Minimum)	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes
	<b>Units</b>	MGD	su	su	minutes	Number
	<b>Sample Type</b>	CONTINUOUS	CONTINUOUS	CONTINUOUS	CONTINUOUS	CONTINUOUS
	<b>Frequency</b>	DAILY	DAILY	DAILY	DAILY	DAILY
<b>Sample Results</b>	<b>Day 1</b>	0.046048	8.3	6.9		
	<b>2</b>	0.052473	7.8	7.3		
	<b>3</b>	0.029789	8.1	7.1		
	<b>4</b>	0.029541	8.1	6.9		
	<b>5</b>	0.006992	7.7	6.6		
	<b>6</b>	0				
	<b>7</b>	0				
	<b>8</b>	0.025608	7.9	7.0		
	<b>9</b>	0.020541	8.0	7.1		
	<b>10</b>	0.020548	8.1	7.1		
	<b>11</b>	0.024988	8.0	7.1		
	<b>12</b>	0.007617	7.6	7.0		
	<b>13</b>	0.011329	8.6	7.0		
	<b>14</b>	0				
	<b>15</b>	0.027794	7.8	6.8		
	<b>16</b>	0.023736	7.8	6.6		
	<b>17</b>	0.029278	7.8	6.6		
	<b>18</b>	0.025278	8.2	6.8		
	<b>19</b>	0.001560	7.3	6.7		
	<b>20</b>	0				
	<b>21</b>	0				
	<b>22</b>	0.029716	8.2	6.8		
	<b>23</b>	0.030134	8.2	7.0		
	<b>24</b>	0.026587	8.1	7.1		
	<b>25</b>	0.022902	8.0	7.0		
	<b>26</b>	0.008768	8.2	6.9		
	<b>27</b>	0				
	<b>28</b>	0				
	<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>	211	373	374	379	376
	<b>Description</b>	Flow Rate	pH (Maximum)	pH (Minimum)	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes
	<b>Units</b>	MGD	su	su	minutes	Number
<b>Summary Values</b>	<b>Monthly Avg</b>	0.017900964	7.99047619	6.923809524		
	<b>Monthly Total</b>					
	<b>Daily Max</b>	0.052473	8.6	7.3		
	<b>Daily Min</b>	0	7.3	6.6		
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					
	<b>Monthly Total</b>				446	0
	<b>Daily Max</b>		9	0		
	<b>Daily Min</b>			6	0	
<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>	457	651	87	147	315
	<b>Description</b>	Suspended Solids, Total	Oil & Grease (Hexane)	Cadmium, Total Recoverable	Copper, Total Recoverable	Nickel, Total Recoverable
	<b>Units</b>	mg/L	mg/L	ug/L	ug/L	ug/L
	<b>Sample Type</b>	24 HR FLOW PROP	GRAB	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	<b>Frequency</b>	3/WEEK	MONTHLY	MONTHLY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>	3.5				
	<b>2</b>	2.0				
	<b>3</b>	<1.9				
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>	2.0				
	<b>9</b>	2.5				
	<b>10</b>	4.0				
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>	6.5	<1.4	<0.49	3.9	200
	<b>16</b>	7.0				
	<b>17</b>	4.0				
	<b>18</b>					
	<b>19</b>					
	<b>20</b>					
	<b>21</b>					
	<b>22</b>	7.5				
	<b>23</b>	7.5				
	<b>24</b>	4.0				
	<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>	457		651		87		147		315	
	<b>Description</b>	Suspended Solids, Total		Oil & Grease (Hexane)		Cadmium, Total Recoverable		Copper, Total Recoverable		Nickel, Total Recoverable	
	<b>Units</b>	mg/L		mg/L		ug/L		ug/L		ug/L	
<b>Summary Values</b>	<b>Monthly Avg</b>	4.208333333		0		0		3.9		200	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	7.5		<1.4		<0.49		3.9		200	
	<b>Daily Min</b>	<1.9		<1.4		<0.49		3.9		200	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	31	0	26	0	260	0	2070	0	2380	0
	<b>Monthly Total</b>										
	<b>Daily Max</b>	60	0	52	0	690	0	3380	0	3980	0
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>			1.4		0.49		1.7		1.5	
	<b>LOQ</b>			5.3		1		5		5	
	<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>	553	507	280	280	35	
	<b>Description</b>	Zinc, Total Recoverable	Total Toxic Organics	Mercury, Total Recoverable	Mercury, Total Recoverable	Arsenic, Total Recoverable	
	<b>Units</b>	ug/L	ug/L	ng/L	mg/day	ug/L	
	<b>Sample Type</b>	24 HR FLOW PROP	24 HR FLOW PROP	GRAB	CALCULATED	24 HR FLOW PROP	
	<b>Frequency</b>	MONTHLY	MONTHLY	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>		1000				2.2
	<b>16</b>						
	<b>17</b>						
	<b>18</b>						
	<b>19</b>						
	<b>20</b>						
	<b>21</b>						
	<b>22</b>				<0.16	0.0	
	<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>	553		507		280		280		35	
	<b>Description</b>	Zinc, Total Recoverable		Total Toxic Organics		Mercury, Total Recoverable		Mercury, Total Recoverable		Arsenic, Total Recoverable	
	<b>Units</b>	ug/L		ug/L		ng/L		mg/day		ug/L	
<b>Summary Values</b>	<b>Monthly Avg</b>	1000				0		0		2.2	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	1000				<0.16		0		2.2	
	<b>Daily Min</b>	1000				<0.16		0		2.2	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	1480	0								
	<b>Monthly Total</b>										
	<b>Daily Max</b>	2610	0	2130							
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>	3.6				0.16				2.1	
	<b>LOQ</b>	10				0.5				5	
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>	999580010				999580010				999580010	

	<b>Sample Point</b>	101	704	704	704	704
	<b>Description</b>	Metal Finishing Effluent	GWCTS Influent	GWCTS Influent	GWCTS Influent	GWCTS Influent
	<b>Parameter</b>	35	211	35	457	280
	<b>Description</b>	Arsenic, Total Recoverable	Flow Rate	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable
	<b>Units</b>	lbs/day	gpd	ug/L	mg/L	ng/L
	<b>Sample Type</b>	CALCULATED	CONTINUOUS	24 HR FLOW PROP	24 HR FLOW PROP	GRAB
	<b>Frequency</b>	MONTHLY	DAILY	WEEKLY	WEEKLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>		0			
	<b>2</b>		16564			
	<b>3</b>		13133	22000	44	
	<b>4</b>		7989			
	<b>5</b>		13895			
	<b>6</b>		9433			
	<b>7</b>		3229			
	<b>8</b>		15912	280000	51	
	<b>9</b>		15692			
	<b>10</b>		10875			
	<b>11</b>		20706			
	<b>12</b>		19321			
	<b>13</b>		9482			
	<b>14</b>		3105			
	<b>15</b>	0.000506	16823			
	<b>16</b>		0			
	<b>17</b>		8650	6000	69	
	<b>18</b>		6676			
	<b>19</b>		11466			
	<b>20</b>		0			
	<b>21</b>		0			
	<b>22</b>		12871			12.5
	<b>23</b>		0			
	<b>24</b>		0			
	<b>25</b>		0			
	<b>26</b>		0			
	<b>27</b>		0			
	<b>28</b>		0			
	<b>29</b>					
	<b>30</b>					
	<b>31</b>					

	<b>Sample Point</b>	101	704	704	704	704
	<b>Description</b>	Metal Finishing Effluent	GWCTS Influent	GWCTS Influent	GWCTS Influent	GWCTS Influent
	<b>Parameter</b>	35	211	35	457	280
	<b>Description</b>	Arsenic, Total Recoverable	Flow Rate	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable
	<b>Units</b>	lbs/day	gpd	ug/L	mg/L	ng/L
<b>Summary Values</b>	<b>Monthly Avg</b>	0.000506	7707.928571429	102666.666666667	54.666666667	12.5
	<b>Monthly Total</b>					
	<b>Daily Max</b>	0.000506	20706	280000	69	12.5
	<b>Daily Min</b>	0.000506	0	6000	44	12.5
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					
	<b>Monthly Total</b>					
	<b>Daily Max</b>					
	<b>Daily Min</b>					
<b>QA/QC Information</b>	<b>LOD</b>			2.1		0.16
	<b>LOQ</b>			5		0.5
	<b>QC Exceedance</b>	N	N	N	N	N
	<b>Lab Certification</b>			999580010	999580010	999580010

	<b>Sample Point</b>	107	003	003	003	003	
	<b>Description</b>	Mercury Field Blank Results	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	
	<b>Parameter</b>	280	211	373	374	35	
	<b>Description</b>	Mercury, Total Recoverable	Flow Rate	pH (Maximum)	pH (Minimum)	Arsenic, Total Recoverable	
	<b>Units</b>	ng/L	MGD	su	su	ug/L	
	<b>Sample Type</b>	BLANK	CONTINUOUS	CONTINUOUS	CONTINUOUS	24 HR FLOW PROP	
	<b>Frequency</b>	MONTHLY	DAILY	DAILY	DAILY	WEEKLY	
<b>Sample Results</b>	<b>Day 1</b>		0				
	<b>2</b>		0.015351	7.2	6.4		
	<b>3</b>		0.013070	7.9	6.9	67	
	<b>4</b>		0.013184	7.5	6.0		
	<b>5</b>		0.009014	8.3	6.7		
	<b>6</b>		0.009825	6.7	6.3		
	<b>7</b>		0.006415	6.3	6.1		
	<b>8</b>		0.017576	6.6	6.0	86	
	<b>9</b>		0.010198	7.4	6.3		
	<b>10</b>		0.018954	7.2	6.1		
	<b>11</b>		0.019921	6.5	6.0		
	<b>12</b>		0.012118	6.4	6.0		
	<b>13</b>		0.010141	7.1	6.0		
	<b>14</b>		0.002400	6.7	6.2		
	<b>15</b>		0.016298	9.0	6.0		
	<b>16</b>		0				
	<b>17</b>		0.015778	9.0	6.0	69	
	<b>18</b>		0.010289	8.3	6.1		
	<b>19</b>		0.007550	7.8	6.0		
	<b>20</b>		0				
	<b>21</b>		0				
	<b>22</b>		<0.16	0.014147	8.9	6.2	
	<b>23</b>		0				
	<b>24</b>		0				
	<b>25</b>		0				
	<b>26</b>		0				
	<b>27</b>		0				
	<b>28</b>		0				
	<b>29</b>						
	<b>30</b>						
	<b>31</b>						



	<b>Sample Point</b>	107	003	003	003	003	
	<b>Description</b>	Mercury Field Blank Results	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	
	<b>Parameter</b>	280	211	373	374	35	
	<b>Description</b>	Mercury, Total Recoverable	Flow Rate	pH (Maximum)	pH (Minimum)	Arsenic, Total Recoverable	
	<b>Units</b>	ng/L	MGD	su	su	ug/L	
<b>Summary Values</b>	<b>Monthly Avg</b>	0	0.00793675	7.488888889	6.183333333	74	
	<b>Monthly Total</b>						
	<b>Daily Max</b>	<0.16	0.019921	9	6.9	86	
	<b>Daily Min</b>	<0.16	0	6.3	6	67	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>						
	<b>Monthly Total</b>						
	<b>Daily Max</b>			9	2	680	0
	<b>Daily Min</b>				6	8	
<b>QA/QC Information</b>	<b>LOD</b>	0.16				2.1	
	<b>LOQ</b>	0.5				5	
	<b>QC Exceedance</b>	N	N	N	N	N	
	<b>Lab Certification</b>	999580010				999580010	

	<b>Sample Point</b>	003	003	003	003	003
	<b>Description</b>	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent
	<b>Parameter</b>	35	457	280	231	112
	<b>Description</b>	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable	Hardness, Total as CaCO3	Chlorine, Total Residual
	<b>Units</b>	lbs/day	mg/L	ng/L	mg/L	ug/L
	<b>Sample Type</b>	CALCULATED	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	GRAB
	<b>Frequency</b>	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
<b>Sample Results</b>	<b>Day 1</b>					
	<b>2</b>					
	<b>3</b>	0.10900	<1.9			
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>	0.14658	<1.9			
	<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>	0.13159			3.8	<1
	<b>18</b>					
	<b>19</b>					
	<b>20</b>					
	<b>21</b>					
	<b>22</b>			<0.16		
	<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		003		003		003	
	<b>Description</b>	GWCTS Effluent		GWCTS Effluent		GWCTS Effluent		GWCTS Effluent		GWCTS Effluent	
	<b>Parameter</b>	35		457		280		231		112	
	<b>Description</b>	Arsenic, Total Recoverable		Suspended Solids, Total		Mercury, Total Recoverable		Hardness, Total as CaCO3		Chlorine, Total Residual	
	<b>Units</b>	lbs/day		mg/L		ng/L		mg/L		ug/L	
<b>Summary Values</b>	<b>Monthly Avg</b>	0.129056667		0		0		3.8		0	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	0.14658		<1.9		<0.16		3.8		<1	
	<b>Daily Min</b>	0.109		<1.9		<0.16		3.8		<1	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>								38	0	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	0.23	0			24	0		38	0	
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>					0.16				30	
	<b>LOQ</b>					0.5				100	
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>			999580010		999580010		999580010			

	<b>Sample Point</b>	003	003	003	004	004
	<b>Description</b>	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	Combined Process WW & GW	Combined Process WW & GW
	<b>Parameter</b>	1352	1353	1353	211	373
	<b>Description</b>	PFOA	PFOS	PFOS	Flow Rate	pH (Maximum)
	<b>Units</b>	ng/L	ng/L	mg/day	MGD	su
	<b>Sample Type</b>	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CONTINUOUS	CONTINUOUS
	<b>Frequency</b>	WEEKLY	WEEKLY	WEEKLY	DAILY	DAILY
<b>Sample Results</b>	<b>Day 1</b>					
	<b>2</b>					
	<b>3</b>	<0.73	<0.46	<0.00000046		
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>	36	1.5	0.0000015		
	<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>	27	1.4	0.0000014		
	<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>					

	Sample Point	003		003		003		004		004	
	Description	GWCTS Effluent		GWCTS Effluent		GWCTS Effluent		Combined Process WW & GW		Combined Process WW & GW	
	Parameter	1352		1353		1353		211		373	
	Description	PFOA		PFOS		PFOS		Flow Rate		pH (Maximum)	
	Units	ng/L		ng/L		mg/day		MGD		su	
<b>Summary Values</b>	Monthly Avg	21		0.966666667		9.67E-07					
	Monthly Total										
	Daily Max	36		1.5		1.5E-06					
	Daily Min	<0.73		<0.46		<4.6E-07					
<b>Limit(s) in Effect</b>	Monthly Avg										
	Monthly Total										
	Daily Max									9	
	Daily Min										
<b>QA/QC Information</b>	LOD	0.73		0.49							
	LOQ	1.8		1.8							
	QC Exceedance	N		N		N		N		N	
	Lab Certification										

	<b>Sample Point</b>	004	004	004	004	004
	<b>Description</b>	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW
	<b>Parameter</b>	374	112	35	35	280
	<b>Description</b>	pH (Minimum)	Chlorine, Total Residual	Arsenic, Total Recoverable	Arsenic, Total Recoverable	Mercury, Total Recoverable
	<b>Units</b>	su	ug/L	ug/L	lbs/day	ng/L
	<b>Sample Type</b>	CONTINUOUS	GRAB	24 HR FLOW PROP	CALCULATED	GRAB
	<b>Frequency</b>	DAILY	MONTHLY	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>					

	Sample Point	004		004		004		004		004	
	Description	Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW	
	Parameter	374		112		35		35		280	
	Description	pH (Minimum)		Chlorine, Total Residual		Arsenic, Total Recoverable		Arsenic, Total Recoverable		Mercury, Total Recoverable	
	Units	su		ug/L		ug/L		lbs/day		ng/L	
<b>Summary Values</b>	Monthly Avg										
	Monthly Total										
	Daily Max										
	Daily Min										
<b>Limit(s) in Effect</b>	Monthly Avg			38							
	Monthly Total										
	Daily Max			38		194		0.22		18	
	Daily Min	6									
<b>QA/QC Information</b>	LOD										
	LOQ										
	QC Exceedance										
	Lab Certification										

	<b>Sample Point</b>	004	004	004	004	004
	<b>Description</b>	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW
	<b>Parameter</b>	280	87	87	147	147
	<b>Description</b>	Mercury, Total Recoverable	Cadmium, Total Recoverable	Cadmium, Total Recoverable	Copper, Total Recoverable	Copper, Total Recoverable
	<b>Units</b>	mg/day	ug/L	lbs/day	ug/L	lbs/day
	<b>Sample Type</b>	CALCULATED	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	CALCULATED
	<b>Frequency</b>	MONTHLY	MONTHLY	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>	004		004		004		004		004	
	<b>Description</b>	Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW	
	<b>Parameter</b>	280		87		87		147		147	
	<b>Description</b>	Mercury, Total Recoverable		Cadmium, Total Recoverable		Cadmium, Total Recoverable		Copper, Total Recoverable		Copper, Total Recoverable	
	<b>Units</b>	mg/day		ug/L		lbs/day		ug/L		lbs/day	
<b>Summary Values</b>	<b>Monthly Avg</b>										
	<b>Monthly Total</b>										
	<b>Daily Max</b>										
	<b>Daily Min</b>										
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>			57				69			
	<b>Monthly Total</b>										
	<b>Daily Max</b>			57		0.23		69		0.28	
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>										
	<b>LOQ</b>										
	<b>QC Exceedance</b>										
	<b>Lab Certification</b>										

	<b>Sample Point</b>	004	004	004	004	004
	<b>Description</b>	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW
	<b>Parameter</b>	315	315	553	553	152
	<b>Description</b>	Nickel, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Zinc, Total Recoverable	Cyanide, Amenable
	<b>Units</b>	ug/L	lbs/day	ug/L	lbs/day	ug/L
	<b>Sample Type</b>	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP
	<b>Frequency</b>	MONTHLY	MONTHLY	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>	004		004		004		004		004	
	<b>Description</b>	Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW	
	<b>Parameter</b>	315		315		553		553		152	
	<b>Description</b>	Nickel, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable		Zinc, Total Recoverable		Cyanide, Amenable	
	<b>Units</b>	ug/L		lbs/day		ug/L		lbs/day		ug/L	
<b>Summary Values</b>	<b>Monthly Avg</b>										
	<b>Monthly Total</b>										
	<b>Daily Max</b>										
	<b>Daily Min</b>										
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	2000				520				92	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	2000		8.10		520		2.10		92	
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>										
	<b>LOQ</b>										
	<b>QC Exceedance</b>										
	<b>Lab Certification</b>										

	<b>Sample Point</b>	004	004	004	004	004
	<b>Description</b>	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW	Combined Process WW & GW
	<b>Parameter</b>	152	231	480	1352	1353
	<b>Description</b>	Cyanide, Amenable	Hardness, Total as CaCO3	Temperature Maximum	PFOA	PFOS
	<b>Units</b>	lbs/day	mg/L	degF	ng/L	ng/L
	<b>Sample Type</b>	CALCULATED	24 HR FLOW PROP	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP
	<b>Frequency</b>	MONTHLY	MONTHLY	WEEKLY	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>	004		004		004		004		004	
	<b>Description</b>	Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW		Combined Process WW & GW	
	<b>Parameter</b>	152		231		480		1352		1353	
	<b>Description</b>	Cyanide, Amenable		Hardness, Total as CaCO3		Temperature Maximum		PFOA		PFOS	
	<b>Units</b>	lbs/day		mg/L		degF		ng/L		ng/L	
<b>Summary Values</b>	<b>Monthly Avg</b>										
	<b>Monthly Total</b>										
	<b>Daily Max</b>										
	<b>Daily Min</b>										
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>									11	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	0.37								11	
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>										
	<b>LOQ</b>										
	<b>QC Exceedance</b>										
	<b>Lab Certification</b>										

	<b>Sample Point</b>	004	108	108	108	108
	<b>Description</b>	Combined Process WW & GW	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent
	<b>Parameter</b>	1353	211	457	35	35
	<b>Description</b>	PFOS	Flow Rate	Suspended Solids, Total	Arsenic, Total Recoverable	Arsenic, Total Recoverable
	<b>Units</b>	mg/day	MGD	mg/L	ug/L	lbs/day
	<b>Sample Type</b>	CALCULATED	CONTINUOUS	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED
	<b>Frequency</b>	MONTHLY	DAILY	WEEKLY	WEEKLY	WEEKLY
<b>Sample Results</b>	<b>Day 1</b>					
	<b>2</b>					
	<b>3</b>					
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
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	<b>30</b>					
	<b>31</b>					

	<b>Sample Point</b>	004		108		108		108		108	
	<b>Description</b>	Combined Process WW & GW		GWCTS Effluent		GWCTS Effluent		GWCTS Effluent		GWCTS Effluent	
	<b>Parameter</b>	1353		211		457		35		35	
	<b>Description</b>	PFOS		Flow Rate		Suspended Solids, Total		Arsenic, Total Recoverable		Arsenic, Total Recoverable	
	<b>Units</b>	mg/day		MGD		mg/L		ug/L		lbs/day	
<b>Summary Values</b>	<b>Monthly Avg</b>										
	<b>Monthly Total</b>										
	<b>Daily Max</b>										
	<b>Daily Min</b>										
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	2.10									
	<b>Monthly Total</b>										
	<b>Daily Max</b>						500		0.17		
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>										
	<b>LOQ</b>										
	<b>QC Exceedance</b>										
	<b>Lab Certification</b>										

	<b>Sample Point</b>	108	108	108	108
	<b>Description</b>	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent
	<b>Parameter</b>	280	280	1352	1353
	<b>Description</b>	Mercury, Total Recoverable	Mercury, Total Recoverable	PFOA	PFOS
	<b>Units</b>	ng/L	mg/day	ng/L	ng/L
	<b>Sample Type</b>	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	24 HR FLOW PROP
	<b>Frequency</b>	MONTHLY	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>				
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	<b>30</b>				
	<b>31</b>				



	<b>Sample Point</b>	108	108	108	108
	<b>Description</b>	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent	GWCTS Effluent
	<b>Parameter</b>	280	280	1352	1353
	<b>Description</b>	Mercury, Total Recoverable	Mercury, Total Recoverable	PFOA	PFOS
	<b>Units</b>	ng/L	mg/day	ng/L	ng/L
<b>Summary Values</b>	<b>Monthly Avg</b>				
	<b>Monthly Total</b>				
	<b>Daily Max</b>				
	<b>Daily Min</b>				
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>				
	<b>Monthly Total</b>				
	<b>Daily Max</b>	24			
	<b>Daily Min</b>				
<b>QA/QC Information</b>	<b>LOD</b>				
	<b>LOQ</b>				
	<b>QC Exceedance</b>				
	<b>Lab Certification</b>				

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

General Remarks

OF003 was down the last week of February so, there are no readings. Electrical / Mechanical Issues. 703 does not have a flow meter set up yet so there are no flow readings. 004 and 108 are not started yet until 1-1-2023 so, these are left blank. Also, we don't run Total Toxic Organics on 101.

Laboratory Quality Control Comments

At Outfall OF003 the pH did hit the Min. and Max. of 6 and 9 but the system goes into automatic recycle when the pH is out of range. Nothing went out to the river. It is sent back to the collection tank and ran through the system again.

Exceedence Comments

The pH on OF003 goes into recycle when it hits 6 or 9 so, nothing goes out to the river.

Submitted by Anne Fleury(afleury16) on 3/18/2021 8:54:51 AM