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July 15, 2022

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 (April through June 2022)*  
              *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 (EPA) Region 5 and Wisconsin Department of Natural Resources (WDNR) (collectively referred to herein as the Agencies). Progress reports are required to document activities conducted as part of the Resource Conservation and Recovery Act (RCRA) corrective actions at the Tyco facility on Stanton Street in Marinette, Wisconsin. This report covers the period from April 1 through June 30, 2022, 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 second quarter 2022, and Attachment 2 contains the monthly Discharge Monitoring Reports. The GWCTS treats groundwater extracted from the Main Plant (EW-4, EW-5, EW-6, and EW-7) and Wetlands Area (EW-1) to maintain groundwater levels in those areas below ground surface and prevent surface flooding of the facility. The overall volume of groundwater extracted and treated by the GWCTS during the reporting period was 427,501 gallons (groundwater recovered from the pump down program [PDP] operations described as follows is not included in this total). 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 the microfilter. The vibratory shear enhancement process (VSEP) units were also shut down and bypassed starting in mid-April due to a leak on top of one of the vertical stacks. The area to fix the leak is difficult to access; therefore, the VSEP will continue to stay offline and bypassed until the new GWCTS improvements are complete. The GWCTS operated continuously except for short-term maintenance or weather-related shutdowns, some weekends, and

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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-S-02-001. February 26.

holidays. One extended maintenance shutdown occurred from April 9 to April 18, 2022. The April 2022 shutdown was a result of an issue with the hydraulics on the filter press; the parts were ordered and installed, and the system was back up and running.

Pump down operations with the pump house system continued through second quarter 2022 in the former Salt Vault and former 8th Street Slip areas. The groundwater generated from the PDP is disposed of offsite at the Waste Management Vickery Deepwell Hazardous Waste disposal facility in Vickery, Ohio, and is managed separately from the GWCTS. Operations continued under management of Endpoint Solutions of Franklin, Wisconsin. Both the former Salt Vault and former 8th Street Slip areas have maintained average groundwater levels below the target elevation during the reporting period as indicated by the target elevation calculation included in the manual water level measurements table and also shown on the hydrographs from transducer data collected as part of the pump house system operations (Attachments 3 and 4, respectively). The transducer levels in the hydrograph (Attachment 4) compared with manual water levels (Attachment 3) indicate that a maintenance calibration of the transducers is needed (to better correlate with the manual water levels); this calibration is planned for the third quarter. From April 1 to June 30, 2022, an additional 400,412 gallons of groundwater was extracted and disposed of offsite as part of the PDP. Average weekly total pumping rates (which include both areas) ranged from 1.3 to 4.5 gallons per minute (gpm) and are summarized in Attachment 4. The pump house system was typically operated at a pumping rate of 1 to 2 gpm in each area. The system occasionally had lower or higher average daily pumping rates that would coincide with days when trucks were not available or additional volume was needed to generate the minimum volumes required by the disposal/trucking contractor, respectively. In the future, when the modified GWCTS is in place, a more consistent range of daily average pumping rates is expected. The overall average pumping rate for the reporting period in the former Salt Vault was 1.3 gpm and in the former 8th Street Slip was 1.7 gpm. The overall rate of extraction across the PDP areas for the reporting period was 3.1 gpm for the quarter.

Tyco submitted the *2021 Barrier Wall Groundwater Monitoring Annual Report* on April 20, 2022.

Phyto-plot inspections were completed on June 9, 2022 (Figure 1). There were no issues or findings to address. Just prior to the inspection, the week of May 31, 2022, the Wetlands Area (Zone 4) had several trees planted in the area where there was standing water due to river levels overtopping the barrier wall (starting spring 2019 and continuing into spring 2021), and the trees did not survive. The dead trees were concentrated in the central area, approximately 50 feet from the west edge of the Wetlands Area, where the standing water occurred. A maintenance visit was conducted on June 21, 2022, and the remaining trees were planted in an area that was too wet to plant during the initial planting but had dried up since then. A total of 273 bush willows and 30 weeping willows were planted in the Wetlands Area. Tyco will continue to monitor this area for additional standing water.

Cover area inspections were completed on June 9, 2022 (Figure 2). There were no issues or findings to address, except in Cover Area D, where the asphalt was in poor condition and had exposed soil through degradation, storm damage, and a sizable hole in the covering. Cover Area H also had a seam with a crack between the newer stormwater drainage swale and the older existing concrete; this area will be either repaved or sealed based on contractor recommendations. The repairs to these areas will be completed this summer (2022) and documented in the next quarterly report.

The spring barrier wall groundwater monitoring and sampling event was conducted the week of June 8, 2022, by Endpoint Solutions. The sampling was conducted in accordance with the *Revised Barrier Wall Groundwater Monitoring Plan Update* (BWGMPU)<sup>2</sup> and the 2019 Addendum to the 2015 BWGMPU.<sup>3</sup>

Pressure transducer–related activities were completed on June 29, 2022. These activities included downloading data from each transducer and collecting manual water levels at the time of transducer downloads. Per recommendations in the *2021 Barrier Wall Groundwater Monitoring Annual Report*, MW119D transducer was removed after the download.

## 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 second quarter 2022 and included the following:

- Activities to implement the GWCTS improvements continued in second quarter 2022, including equipment and material procurement, and construction activities began on June 27, 2022. Procurement activities included and will continue to include actively tracking long-lead items and other potential supply-chain issues that could cause potential construction delays.
- Stormwater improvement (approved by WDNR) planning that will abandon the subsurface stormwater lines and manage stormwater through aboveground surface flow, as needed, continued. Equipment and material procurement continued in second quarter 2022, and construction is anticipated to begin in late July 2022.

## 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 March 2022 through May 2022. 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 the data are included in the 2022 PDP summary table (Attachment 3). Water level data from transducers in monitoring wells and pumping rates collected as part of the PDP pump house system are also summarized in a hydrograph and stacked bar chart (with weekly average), respectively (Attachment 4).

Spring barrier wall groundwater monitoring event data are not yet available and will be included in the annual report. Groundwater elevation data recorded by transducers are being compiled and evaluated. The transducer data will be provided in the annual report.

## Problems Encountered

During portions of the reporting period, the Menominee River level rose to above the top of the vertical barrier wall in the Wetlands Area of the site. Four of the 10 manual river levels collected during the

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<sup>2</sup> CH2M HILL, Inc. 2015. *Revised Barrier Wall Groundwater Monitoring Plan Update*. September 3.

<sup>3</sup> Jacobs. 2019. *Addendum to 2015 Barrier Wall Groundwater Monitoring Plan Update*. June.

reporting period exceed the Wetlands Area vertical barrier wall. River levels did not exceed the weir elevations in the Main Plant area throughout the quarter.

## Schedule of Upcoming Activities

The following summarizes the 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
- Continue procurement and construction activities (including actively tracking long-lead items and other potential supply-chain issues that could cause potential construction delays) to implement the GWCTS improvements design
- Continue stormwater improvement planning activities and start construction activities (anticipated in late July 2022)
- Conduct transducer data download activities
- Conduct vertical barrier wall (from land and water sides, above the waterline) inspection
- Conduct vertical barrier wall survey
- Address inspection findings for the vertical barrier wall, 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 second quarter 2022 are summarized in Tables 1 and 2, respectively.

**Table 1. Documents Submitted**

*Quarterly Progress Report (April through June 2022), Tyco Fire Products LP Facility, Marinette, Wisconsin*

Description of Submittal	Submitted To	Date Submitted
Quarterly Progress Report (First Quarter 2022)	EPA	April 15, 2022
<i>2021 Barrier Wall Groundwater Monitoring Annual Report</i>	EPA	April 20, 2022
Email Notification—Annual Groundwater Sampling	EPA	May 17, 2022
Email Notification—Mobilization for Modified Groundwater Treatment System Construction	WDNR	June 9, 2022

**Table 2. Correspondence from Agency**

*Quarterly Progress Report (April through June 2022), Tyco Fire Products LP Facility, Marinette, Wisconsin*

Description of Correspondence	Submitted By	Date Submitted
None for second quarter 2022		

If you have any questions or require additional information, please contact me at 262-644-6167 or Denice Nelson at 651-280-7259.

Respectfully Yours,

Jacobs



Heather Ziegelbauer  
Project Manager

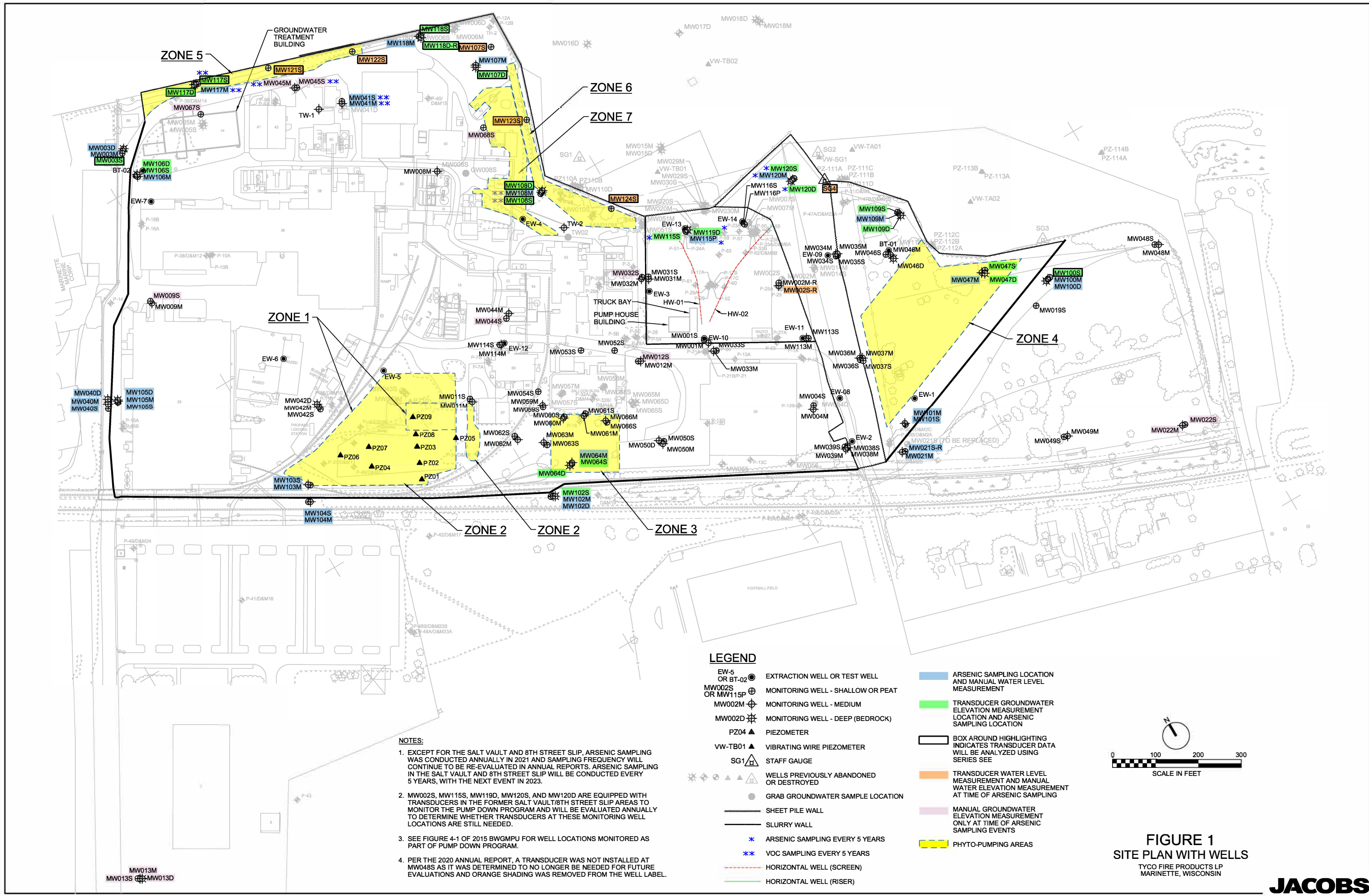
cc: Angela Carey, WDNR  
Sarah Krueger, WDNR  
Ryan Suennen, Tyco Fire Products  
Denice Nelson, Johnson Controls  
Mariel Carter, Stephenson Public Library

**Attachments**

- 1 Groundwater Collection and Treatment System Operation Summary
- 2 Discharge Monitoring Reports for the Groundwater Collection and Treatment System
- 3 2022 Pump Down Program Groundwater Elevation Monitoring
- 4 Second Quarter 2022 PDP Pump House System Hydrograph and Pumping Rates

Document Control No.: D3630600.291

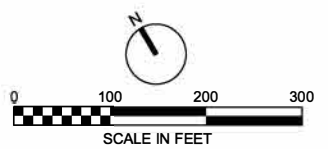




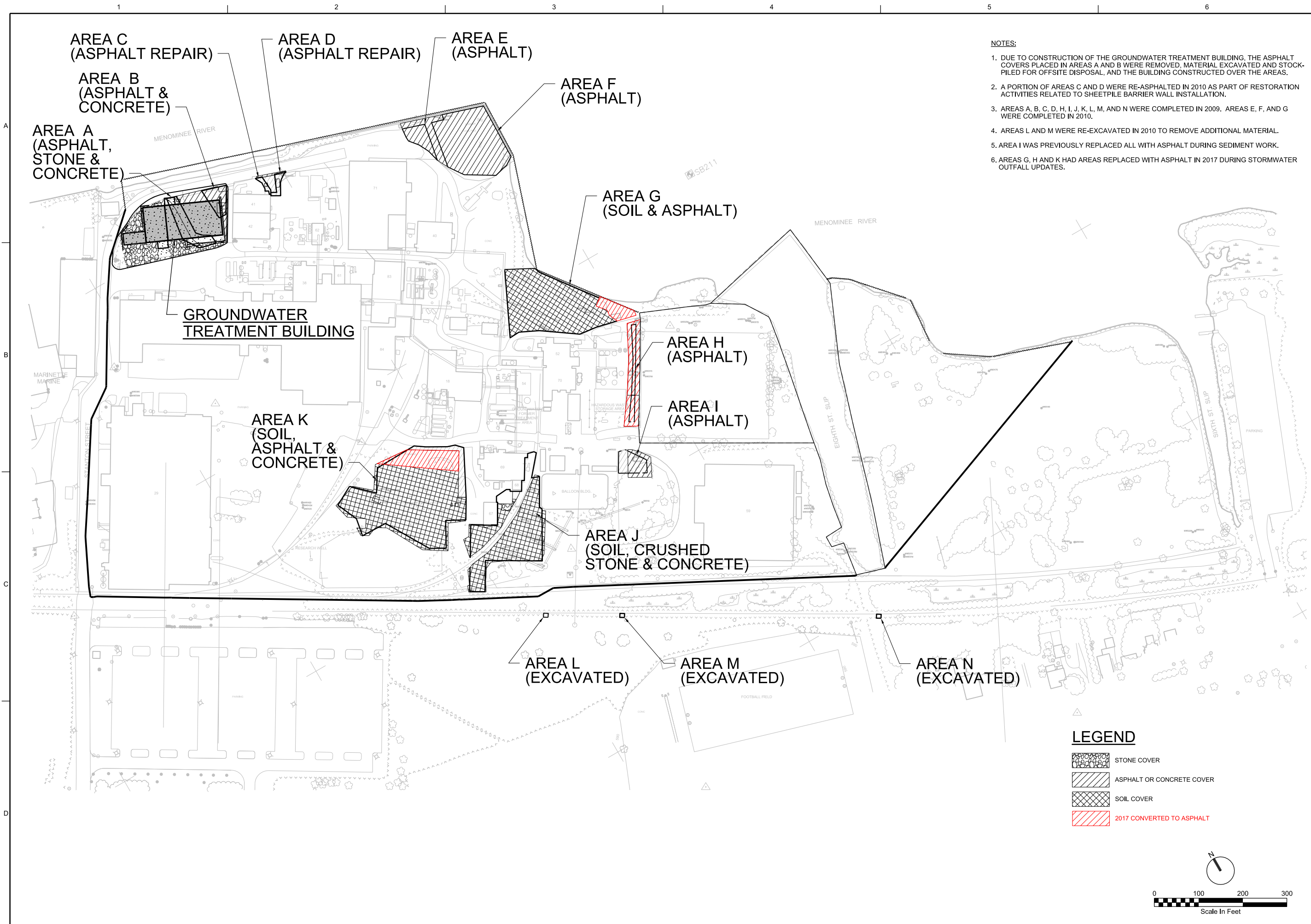
- NOTES:**
- EXCEPT FOR THE SALT VAULT AND 8TH STREET SLIP, ARSENIC SAMPLING WAS CONDUCTED ANNUALLY IN 2021 AND SAMPLING FREQUENCY WILL CONTINUE TO BE RE-EVALUATED IN ANNUAL REPORTS. ARSENIC SAMPLING IN THE SALT VAULT AND 8TH STREET SLIP WILL BE CONDUCTED EVERY 5 YEARS, WITH THE NEXT EVENT IN 2023.
  - MW002S, MW115S, MW119D, MW120S, AND MW120D ARE EQUIPPED WITH TRANSDUCERS IN THE FORMER SALT VAULT/8TH STREET SLIP AREAS TO MONITOR THE PUMP DOWN PROGRAM AND WILL BE EVALUATED ANNUALLY TO DETERMINE WHETHER TRANSDUCERS AT THESE MONITORING WELL LOCATIONS ARE STILL NEEDED.
  - SEE FIGURE 4-1 OF 2015 BWGMPU FOR WELL LOCATIONS MONITORED AS PART OF PUMP DOWN PROGRAM.
  - PER THE 2020 ANNUAL REPORT, A TRANSDUCER WAS NOT INSTALLED AT MW048S AS IT WAS DETERMINED TO NO LONGER BE NEEDED FOR FUTURE EVALUATIONS AND ORANGE SHADING WAS REMOVED FROM THE WELL LABEL.

**LEGEND**

- EW-5 OR BT-02 ● EXTRACTION WELL OR TEST WELL
- MW002S OR MW115P ⊕ MONITORING WELL - SHALLOW OR PEAT
- MW002M ⊕ MONITORING WELL - MEDIUM
- MW002D ⊕ MONITORING WELL - DEEP (BEDROCK)
- PZ04 ▲ PIEZOMETER
- VW-TB01 ▲ VIBRATING WIRE PIEZOMETER
- SG1 ▲ STAFF GAUGE
- ⊛ WELLS PREVIOUSLY ABANDONED OR DESTROYED
- GRAB GROUNDWATER SAMPLE LOCATION
- SHEET PILE WALL
- SLURRY WALL
- \* ARSENIC SAMPLING EVERY 5 YEARS
- \*\* VOC SAMPLING EVERY 5 YEARS
- - - HORIZONTAL WELL (SCREEN)
- - - HORIZONTAL WELL (RISER)
- ARSENIC SAMPLING LOCATION AND MANUAL WATER LEVEL MEASUREMENT
- TRANSDUCER GROUNDWATER ELEVATION MEASUREMENT LOCATION AND ARSENIC SAMPLING LOCATION
- BOX AROUND HIGHLIGHTING INDICATES TRANSDUCER DATA WILL BE ANALYZED USING SERIES SEE
- TRANSDUCER WATER LEVEL MEASUREMENT AND MANUAL WATER ELEVATION MEASUREMENT AT TIME OF ARSENIC SAMPLING
- MANUAL GROUNDWATER ELEVATION MEASUREMENT ONLY AT TIME OF ARSENIC SAMPLING EVENTS
- PHYTO-PUMPING AREAS



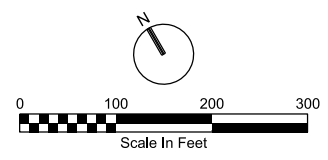
**FIGURE 1**  
**SITE PLAN WITH WELLS**  
 TYCO FIRE PRODUCTS LP  
 MARINETTE, WISCONSIN



- NOTES:**
1. DUE TO CONSTRUCTION OF THE GROUNDWATER TREATMENT BUILDING, THE ASPHALT COVERS PLACED IN AREAS A AND B WERE REMOVED, MATERIAL EXCAVATED AND STOCK-PILED FOR OFFSITE DISPOSAL, AND THE BUILDING CONSTRUCTED OVER THE AREAS.
  2. A PORTION OF AREAS C AND D WERE RE-ASPHALTED IN 2010 AS PART OF RESTORATION ACTIVITIES RELATED TO SHEETPILE BARRIER WALL INSTALLATION.
  3. AREAS A, B, C, D, H, I, J, K, L, M, AND N WERE COMPLETED IN 2009. AREAS E, F, AND G WERE COMPLETED IN 2010.
  4. AREAS L AND M WERE RE-EXCAVATED IN 2010 TO REMOVE ADDITIONAL MATERIAL.
  5. AREA I WAS PREVIOUSLY REPLACED ALL WITH ASPHALT DURING SEDIMENT WORK.
  6. AREAS G, H AND K HAD AREAS REPLACED WITH ASPHALT IN 2017 DURING STORMWATER OUTFALL UPDATES.

**LEGEND**

-  STONE COVER
-  ASPHALT OR CONCRETE COVER
-  SOIL COVER
-  2017 CONVERTED TO ASPHALT



**JACOBS**

FIGURE 2  
AREA LOCATION MAP

TYCOO FIRE PRODUCTS LP  
Cover Maintenance Plan for  
Onsite and Offsite Soil Areas at  
the Tycoo Fire Products LP Facility  
Marquette, Wisconsin

SCALE: 1" = 200'  
VERIFY SCALE  
BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE: DECEMBER 2018  
PROJ: 704683

REVISION 1

PRELIMINARY  
 FILENAME: O&M-Fig11\_Overall.dgn PLOT DATE: 2018/12/17 PLOT TIME: 11:59:25 AM  
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 DSGN T. CHAPMAN DR G. BOWLES CHK J. DANKO APVD H. ZIEGELBAUER

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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, April 1 through June 30, 2022

The following summarizes groundwater collection and treatment system (GWCTS) operations from April 1 through June 30, 2022, at the Tyco Fire Products LP facility on Stanton Street in Marinette, Wisconsin:

- The GWCTS operated for 16 days in April 2022, 21 days in May 2022, and 21 days in June 2022, for a total of 58 days.
- For the reporting period, the precipitation recorded from the weather station in Marinette, Wisconsin, was 10.58 inches of rain and 3.0 inches of snow and ice (<http://www.ncdc.noaa.gov/cdo-web/datasets/GHCND/stations/GHCND:USC00475091/detail>).
- An estimated 427,501 gallons of groundwater was 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 303,719 gallons of water was discharged to the Menominee River as effluent under the Wisconsin Pollutant Discharge Elimination System permit.
- Approximately 291,300 gallons of reject water was produced this reporting period during system operations and subsequently disposed of offsite.

**Table 1-1. Extraction Well Data Summary (April through June 2022)**

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

Extraction Well	Gallons Run, Second Quarter 2022 (April 1 through June 30, 2022)
EW-1	14,959
EW-2	Not operated in lieu of ongoing PDP
EW-3	Not operated in lieu of ongoing PDP
EW-4	1,139
EW-5	121,196
EW-6	62,621
EW-7	227,586
<b>Total</b>	<b>427,501</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: 03/01/2022 - 03/31/2022  
 Form Due Date: 04/21/2022  
 Permit Number: 0001040

Date Received:  
 DOC: 485717  
 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		0.13670	7.1		6.6
	2		0.12390	7.2		7.0
	3		0.13020	7.2		7.0
	4		0.09240	7.1		6.9
	5		0.21560	7.1		6.8
	6		0.07160	6.9		6.7
	7		0.12390	7.1		6.5
	8		0.12600	7.2		6.8
	9		0.11970	7.2		6.9
	10		0.11400	7.1		6.9
	11		0.11660	7.2		7.0
	12		0.02990	7.4		7.1
	13		0.04910	7.5		7.0
	14		0.14060	7.2		6.8
	15		0.14140	7.2	<2.1	6.8
	16		0.09090	7.2		7.0
	17		0.14130	7.1		6.8
	18		0.12150	6.9		6.8
	19		0.06420	7.0		6.8
	20		0.07060	7.3		6.9
	21		0.20030	6.9		6.6
	22		0.32420	7.4		6.6
	23		0.27490	7.2		6.9
	24		0.12390	7.2		6.9
	25		0.08380	7.2		7.1
	26		0.06930	7.4		7.1
	27		0.05320	7.5		7.0
	28		0.12490	7.3		7.0
	29		0.21980	7.6		7.1
	30		0.24110	7.5		7.1
	31		0.14400	7.4		7.2

	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>	Monthly Avg			0.131596774		7.219354839		0		6.893548387	
	Monthly Total										
	Daily Max			0.3242		7.6		<2.1		7.2	
	Daily Min			0.0299		6.9		<2.1		6.5	
<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>	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>	55				
	<b>2</b>	52				
	<b>3</b>	54				
	<b>4</b>	53				
	<b>5</b>	52				
	<b>6</b>	49				
	<b>7</b>	61				
	<b>8</b>	60				
	<b>9</b>	53				
	<b>10</b>	52				
	<b>11</b>	64				
	<b>12</b>	49				
	<b>13</b>	46				
	<b>14</b>	53				
	<b>15</b>	54				
	<b>16</b>	55				
	<b>17</b>	57				
	<b>18</b>	51				
	<b>19</b>	51				
	<b>20</b>	50				
	<b>21</b>	52	210	80	0.14	<0.49
	<b>22</b>	54				
	<b>23</b>	47				
	<b>24</b>	55				
	<b>25</b>	50				
	<b>26</b>	49				
	<b>27</b>	46				
	<b>28</b>	56				
	<b>29</b>	53				
	<b>30</b>	53				
	<b>31</b>	50				



	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	52.774193548		210		80		0.14	
	Monthly Total								
	Daily Max	64		210		80		0.14	
	Daily Min	46		210		80		0.14	
<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>						
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	<b>15</b>						
	<b>16</b>						
	<b>17</b>						
	<b>18</b>						
	<b>19</b>						
	<b>20</b>						
		<b>21</b>	<0.0009	14	0.0234	9.6	0.0161
		<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		14		0.0234		9.6		0.0161	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	<0.0009		14		0.0234		9.6		0.0161	
	<b>Daily Min</b>	<0.0009		14		0.0234		9.6		0.0161	
<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	0	92	0	0.44	0
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>			1.7				3.6			
	<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>		30	1.6			
	<b>17</b>						
	<b>18</b>						
	<b>19</b>						
	<b>20</b>						
	<b>21</b>				220	30	7.5914
	<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>	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>Summary Values</b>	<b>Monthly Avg</b>	30		1.6		220		30		7.5914	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	30		1.6		220		30		7.5914	
	<b>Daily Min</b>	30		1.6		220		30		7.5914	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	38	0								
	<b>Monthly Total</b>										
	<b>Daily Max</b>	38	0	29	0						
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>	30		0.079		0.8		0.51			
	<b>LOQ</b>	100		0.5		1.9		1.9			
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>			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>	0.04042	7.6	6.8		
	<b>2</b>	0.04100	7.6	7.0		
	<b>3</b>	0.03535	7.4	6.9		
	<b>4</b>	0.02052	7.1	6.3		
	<b>5</b>	0.01528	7.0	6.6		
	<b>6</b>	0				
	<b>7</b>	0.03913	7.2	6.7		
	<b>8</b>	0.03860	6.8	6.6		
	<b>9</b>	0.03305	7.2	6.6		
	<b>10</b>	0.02805	7.0	6.6		
	<b>11</b>	0.02281	7.2	6.6		
	<b>12</b>	0.00674	7.8	6.7		
	<b>13</b>	0				
	<b>14</b>	0.04326	7.4	7.2		
	<b>15</b>	0.03341	7.8	6.6		
	<b>16</b>	0.02490	7.6	6.8		
	<b>17</b>	0.04196	7.4	6.6		
	<b>18</b>	0.01641	7.0	6.3		
	<b>19</b>	0.00452	7.0	6.9		
	<b>20</b>	0				
	<b>21</b>	0.03731	7.8	6.6		
	<b>22</b>	0.02896	7.4	6.8		
	<b>23</b>	0.03010	7.8	6.6		
	<b>24</b>	0.02269	7.6	6.4		
	<b>25</b>	0.01057	7.5	6.7		
	<b>26</b>	0.00653	7.3	6.7		
	<b>27</b>	0				
	<b>28</b>	0.04002	7.8	6.8		
	<b>29</b>	0.01791	7.2	6.6		
	<b>30</b>	0.03608	7.1	6.8		
	<b>31</b>	0.02481	7.4	6.4		

	Sample Point	101		101		101		101	
	Description	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	Parameter	211		373		374		379	
	Description	Flow Rate		pH (Maximum)		pH (Minimum)		pH Total Exceedance Time Minutes	
	Units	MGD		su		su		minutes	
<b>Summary Values</b>	Monthly Avg	0.023883548		7.37037037		6.674074074			
	Monthly Total								
	Daily Max	0.04326		7.8		7.2			
	Daily Min	0		6.8		6.3			
<b>Limit(s) in Effect</b>	Monthly Avg								
	Monthly Total						446	0	0
	Daily Max			9	0				
	Daily Min					6	0		
<b>QA/QC Information</b>	LOD								
	LOQ								
	QC Exceedance	N		N		N		N	
	Lab Certification								

	<b>Sample Point</b>	101	101	101	101	101
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	<b>Parameter</b>	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>	12.0				
	<b>2</b>	2.3				
	<b>3</b>	2.3				
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>	2.7		<0.49	6.6	6.7
	<b>9</b>	2.2	1.7			
	<b>10</b>	3.2				
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>	3.8				
	<b>16</b>	8.8				
	<b>17</b>	4.8				
	<b>18</b>					
	<b>19</b>					
	<b>20</b>					
	<b>21</b>					
	<b>22</b>	2.3				
	<b>23</b>	2.0				
	<b>24</b>	<1.9				
	<b>25</b>					
	<b>26</b>					
	<b>27</b>					
	<b>28</b>					
	<b>29</b>					
	<b>30</b>					
	<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	457		651		87		147		315	
	Description	Suspended Solids, Total		Oil & Grease (Hexane)		Cadmium, Total Recoverable		Copper, Total Recoverable		Nickel, Total Recoverable	
	Units	mg/L		mg/L		ug/L		ug/L		ug/L	
<b>Summary Values</b>	Monthly Avg	3.866666667		1.7		0		6.6		6.7	
	Monthly Total										
	Daily Max	12		1.7		<0.49		6.6		6.7	
	Daily Min	<1.9		1.7		<0.49		6.6		6.7	
<b>Limit(s) in Effect</b>	Monthly Avg	31	0	26	0	260	0	2070	0	2380	0
	Monthly Total										
	Daily Max	60	0	52	0	690	0	3380	0	3980	0
	Daily Min										
<b>QA/QC Information</b>	LOD			1.4		0.49		1.7		1.5	
	LOQ			5.4		1		5		5	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	999580010		999580010		999580010		999580010		999580010	

	<b>Sample Point</b>	101	101	101	101	101
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	<b>Parameter</b>	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>	150				<2.1
	<b>9</b>					
	<b>10</b>					
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>					
	<b>16</b>			0.28	0.0265	
	<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>	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>	150				0.28		0.0265		0	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	150				0.28		0.0265		<2.1	
	<b>Daily Min</b>	150				0.28		0.0265		<2.1	
<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				0.079				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>		3909			
	<b>2</b>		3386			
	<b>3</b>		4426	3900	28	
	<b>4</b>		1927			
	<b>5</b>		472			
	<b>6</b>		0			
	<b>7</b>		2443			
	<b>8</b>	<0.0007	1578			
	<b>9</b>		2624	4500	63	
	<b>10</b>		2279			
	<b>11</b>		5384			
	<b>12</b>		0			
	<b>13</b>		0			
	<b>14</b>		3843			
	<b>15</b>		2502	2900	17	
	<b>16</b>		341			0.59
	<b>17</b>		823			
	<b>18</b>		901			
	<b>19</b>		0			
	<b>20</b>		0			
	<b>21</b>		2405			
	<b>22</b>		3334			
	<b>23</b>		3408	3600	20	
	<b>24</b>		3471			
	<b>25</b>		2709			
	<b>26</b>		0			
	<b>27</b>		0			
	<b>28</b>		2326			
	<b>29</b>		1778			
	<b>30</b>		1080			
	<b>31</b>		3222			

	<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	1953.903225806	3725	32	0.59
	<b>Monthly Total</b>					
	<b>Daily Max</b>	<0.0007	5384	4500	63	0.59
	<b>Daily Min</b>	<0.0007	0	2900	17	0.59
<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>			21		0.079
	<b>LOQ</b>			130		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>		0.014022	7.1	6.9	
	<b>2</b>		0.013387	7.2	6.1	
	<b>3</b>		0.020257	7.5	6.6	43
	<b>4</b>		0.015829	7.1	6.7	
	<b>5</b>		0.003739	6.7	6.6	
	<b>6</b>		0			
	<b>7</b>		0.007364	6.9	6.1	
	<b>8</b>		0.015096	6.9	6.5	
	<b>9</b>		0.013405	7.0	6.4	36
	<b>10</b>		0.014098	8.0	6.9	
	<b>11</b>		0.025138	8.9	6.9	
	<b>12</b>		0			
	<b>13</b>		0			
	<b>14</b>		0.015989	8.7	6.7	
	<b>15</b>		0.005704	7.0	6.1	16
	<b>16</b>	<0.079	0.000015	6.1	6.1	
	<b>17</b>		0.000016	6.1	6.1	
	<b>18</b>		0.003250	7.0	6.1	
	<b>19</b>		0			
	<b>20</b>		0			
	<b>21</b>		0.011434	8.9	6.8	
	<b>22</b>		0.014905	8.9	6.4	
	<b>23</b>		0.016974	6.7	6.1	44
	<b>24</b>		0.016594	7.7	6.1	
	<b>25</b>		0.014155	8.5	7.2	
	<b>26</b>		0.005174	8.0	7.1	
	<b>27</b>		0			
	<b>28</b>		0.011809	7.9	6.7	
	<b>29</b>		0.007606	7.1	7.1	
	<b>30</b>		0.008271	6.8	6.6	
	<b>31</b>		0.015413	7.1	6.6	

	<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	0.009343355	7.432	6.54	34.75	
	<b>Monthly Total</b>						
	<b>Daily Max</b>	<0.079	0.025138	8.9	7.2	44	
	<b>Daily Min</b>	<0.079	0	6.1	6.1	16	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>						
	<b>Monthly Total</b>						
	<b>Daily Max</b>			9	0	680	0
	<b>Daily Min</b>				6	0	
<b>QA/QC Information</b>	<b>LOD</b>	0.079				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>	0.0074				
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>					
	<b>9</b>	0.0044			570	
	<b>10</b>					
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>	0.0002	<1.9			
	<b>16</b>			0.27		20
	<b>17</b>					
	<b>18</b>					
	<b>19</b>					
	<b>20</b>					
	<b>21</b>					
	<b>22</b>					
	<b>23</b>	0.0066				
	<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>	0.00465		0		0.27		570		20	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	0.0074		<1.9		0.27		570		20	
	<b>Daily Min</b>	0.0002		<1.9		0.27		570		20	
<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>					0.079				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>	59	2.3	0.17658		
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>					
	<b>9</b>	62	2.2	0.111771		
	<b>10</b>					
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>	8.0	<0.47	0.01016		
	<b>16</b>					
	<b>17</b>					
	<b>18</b>					
	<b>19</b>					
	<b>20</b>					
	<b>21</b>					
	<b>22</b>					
	<b>23</b>	50	2.2	0.14153		
	<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>	<b>Monthly Avg</b>	44.75	1.675	0.11001025		
	<b>Monthly Total</b>					
	<b>Daily Max</b>	62	2.3	0.17658		
	<b>Daily Min</b>	8	<0.47	0.01016		
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					
	<b>Monthly Total</b>					
	<b>Daily Max</b>					9
	<b>Daily Min</b>					
<b>QA/QC Information</b>	<b>LOD</b>	0.73	0.47			
	<b>LOQ</b>	1.9	1.9			
	<b>QC Exceedance</b>	N	N	N	N	N
	<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>	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>					

	<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>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>			38							
	<b>Monthly Total</b>										
	<b>Daily Max</b>			38		194		0.22		18	
	<b>Daily Min</b>	6									
<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>	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>					
	<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		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>				
	<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
	<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

Laboratory Quality Control Comments

Submitted by Anne Fleury(afleury16) on 4/14/2022 1:28:57 PM

**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: 04/01/2022 - 04/30/2022  
 Form Due Date: 05/21/2022  
 Permit Number: 0001040

Date Received:  
 DOC: 494155  
 FIN: 7245  
 FID: 438039470  
 Region: Northeast Region  
 Permit Drafter: Jason R Knutson  
 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		0.065900	7.5		7.1
	2		0.040700	7.5		7.3
	3		0.066400	7.5		7.1
	4		0.197700	7.6		7.0
	5		0.280400	7.5		7.1
	6		0.145800	7.5		7.1
	7		0.072300	7.4		7.3
	8		0.044100	7.4		7.4
	9		0.025300	7.5		7.4
	10		0.061800	7.4		7.2
	11		0.136400	7.2		7.0
	12		0.149300	7.4		7.2
	13		0.233000	7.3		7.0
	14		0.219800	7.3		7.2
	15		0.101600	7.4		7.2
	16		0.067800	7.5		7.3
	17		0.102000	7.5		7.2
	18		0.163700	7.2		6.8
	19		0.123200	7.3		7.0
	20		0.221800	7.3		6.9
	21		0.130500	7.3		7.0
	22		0.135900	7.2		7.0
	23		0.098900	7.2		6.9
	24		0.113200	7.2		7.0
	25		0.153500	7.4		7.0
	26		0.140000	7.5		7.0
	27		0.111500	7.5		7.0
	28		0.110400	7.4		7.2
	29		0.105900	7.3		7.0
	30		0.175300	7.3		6.6
	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>	Monthly Avg			0.12647		7.383333333				7.083333333	
	Monthly Total										
	Daily Max			0.2804		7.6				7.4	
	Daily Min			0.0253		7.2				6.6	
<b>Limit(s) in Effect</b>	Monthly Avg										
	Monthly Total										
	Daily Max					9	0				
	Daily Min									6	0
<b>QA/QC Information</b>	LOD										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification										



	<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>	52				
	<b>2</b>	49				
	<b>3</b>	48				
	<b>4</b>	52				
	<b>5</b>	56				
	<b>6</b>	54				
	<b>7</b>	50				
	<b>8</b>	49				
	<b>9</b>	48				
	<b>10</b>	49				
	<b>11</b>	54				
	<b>12</b>	56				
	<b>13</b>	55				
	<b>14</b>	56				
	<b>15</b>	53				
	<b>16</b>	63				
	<b>17</b>	52				
	<b>18</b>	58	240	98	0.13328	<0.49
	<b>19</b>	55				
	<b>20</b>	58				
	<b>21</b>	55				
	<b>22</b>	53				
	<b>23</b>	51				
	<b>24</b>	52				
	<b>25</b>	64				
	<b>26</b>	57				
	<b>27</b>	68				
	<b>28</b>	66				
	<b>29</b>	58				
	<b>30</b>	51				
	<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	54.7333333333		240		98		0.13328	
	Monthly Total								
	Daily Max	68		240		98		0.13328	
	Daily Min	48		240		98		0.13328	
<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>						
	<b>17</b>						
		<b>18</b>	0.0006664	16	0.02176	<3.6	0.004896
		<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>	0.0006664		16		0.02176		0		0.004896	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	0.0006664		16		0.02176		<3.6		0.004896	
	<b>Daily Min</b>	0.0006664		16		0.02176		<3.6		0.004896	
<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	0	92	0	0.44	0
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>			1.7				3.6			
	<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>						
	<b>17</b>						
	<b>18</b>				320	42	2.61
	<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>			3.4			
	<b>28</b>		34				
	<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>	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>Summary Values</b>	<b>Monthly Avg</b>	34		3.4		320		42		2.61	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	34		3.4		320		42		2.61	
	<b>Daily Min</b>	34		3.4		320		42		2.61	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	38	0								
	<b>Monthly Total</b>										
	<b>Daily Max</b>	38	0	29	0						
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>	30		0.079		0.82		0.52			
	<b>LOQ</b>	100		0.5		1.9		1.9			
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>			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>	0.0073	7.2	6.2		
	<b>2</b>	0.0022	7.2	6.7		
	<b>3</b>	0				
	<b>4</b>	0.0458	7.6	6.2		
	<b>5</b>	0.0272	7.8	7.0		
	<b>6</b>	0.0294	7.8	6.7		
	<b>7</b>	0.0059	7.6	6.6		
	<b>8</b>	0.0045	7.5	6.6		
	<b>9</b>	0				
	<b>10</b>	0				
	<b>11</b>	0.0447	7.4	7.0		
	<b>12</b>	0.0316	7.4	6.8		
	<b>13</b>	0.0353	7.4	6.8		
	<b>14</b>	0.0386	7.6	6.6		
	<b>15</b>	0.0150	7.4	6.6		
	<b>16</b>	0				
	<b>17</b>	0				
	<b>18</b>	0.0409	7.6	6.7		
	<b>19</b>	0.0228	8.1	6.8		
	<b>20</b>	0.0289	8.0	6.4		
	<b>21</b>	0.0252	8.0	6.6		
	<b>22</b>	0.0146	7.8	6.7		
	<b>23</b>	0				
	<b>24</b>	0				
	<b>25</b>	0.0374	7.8	7.2		
	<b>26</b>	0.0315	8.2	7.2		
	<b>27</b>	0.0177	7.9	6.7		
	<b>28</b>	0.0163	8.2	6.8		
	<b>29</b>	0.0178	7.4	6.7		
	<b>30</b>	0				
	<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	211	373	374	379	376
	Description	Flow Rate	pH (Maximum)	pH (Minimum)	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes
	Units	MGD	su	su	minutes	Number
<b>Summary Values</b>	<b>Monthly Avg</b>	0.01802	7.677272727	6.709090909		
	<b>Monthly Total</b>					
	<b>Daily Max</b>	0.0458	8.2	7.2		
	<b>Daily Min</b>	0	7.2	6.2		
<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>					
	<b>2</b>					
	<b>3</b>					
	<b>4</b>	5.1	<1.4	<0.49	9.3	12
	<b>5</b>	34.0				
	<b>6</b>	12.0				
	<b>7</b>					
	<b>8</b>					
	<b>9</b>					
	<b>10</b>					
	<b>11</b>	10.0				
	<b>12</b>	4.5				
	<b>13</b>	<1.9				
	<b>14</b>					
	<b>15</b>					
	<b>16</b>					
	<b>17</b>					
	<b>18</b>	2.6				
	<b>19</b>	<1.9				
	<b>20</b>	<1.9				
	<b>21</b>					
	<b>22</b>					
	<b>23</b>					
	<b>24</b>					
	<b>25</b>	<1.9				
	<b>26</b>	<1.9				
	<b>27</b>	2.2				
	<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>	5.866666667		0		0		9.3		12	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	34		<1.4		<0.49		9.3		12	
	<b>Daily Min</b>	<1.9		<1.4		<0.49		9.3		12	
<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>	440				<2.1
	<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>				0.33	0.02218491
	<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>	440				0.33		0.02218491		0	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	440				0.33		0.02218491		<2.1	
	<b>Daily Min</b>	440				0.33		0.02218491		<2.1	
<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				0.079				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>		13750			
	<b>2</b>		6897			
	<b>3</b>		0			
	<b>4</b>	0.000819	9611	4300	31	
	<b>5</b>		11399			
	<b>6</b>		11213			
	<b>7</b>		11601			
	<b>8</b>		9993			
	<b>9</b>		0			
	<b>10</b>		0			
	<b>11</b>		0			
	<b>12</b>		0			
	<b>13</b>		0			
	<b>14</b>		0			
	<b>15</b>		0			
	<b>16</b>		0			
	<b>17</b>		0			
	<b>18</b>		0			
	<b>19</b>		28030	1900	29	
	<b>20</b>		9558			
	<b>21</b>		7739			
	<b>22</b>		5746			
	<b>23</b>		0			
	<b>24</b>		0			
	<b>25</b>		9558			
	<b>26</b>		3805			
	<b>27</b>		0			
	<b>28</b>		7738	3200	44	0.62
	<b>29</b>		7026			
	<b>30</b>		0			
	<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>	0.000819	5122.133333333	3133.333333333	34.666666667	0.62
	<b>Monthly Total</b>					
	<b>Daily Max</b>	0.000819	28030	4300	44	0.62
	<b>Daily Min</b>	0.000819	0	1900	29	0.62
<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>			21		0.079
	<b>LOQ</b>			50		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>		0.016546	8.9	6.9	
	<b>2</b>		0.007506	7.2	6.8	
	<b>3</b>		0			
	<b>4</b>		0.012150	7.6	6.8	38
	<b>5</b>		0.016786	7.4	6.9	
	<b>6</b>		0.011147	7.2	6.1	
	<b>7</b>		0.014259	8.7	7.0	
	<b>8</b>		0.010857	8.0	7.1	
	<b>9</b>		0			
	<b>10</b>		0			
	<b>11</b>		0			
	<b>12</b>		0			
	<b>13</b>		0			
	<b>14</b>		0			
	<b>15</b>		0			
	<b>16</b>		0			
	<b>17</b>		0			
	<b>18</b>		0			
	<b>19</b>		0.005869	7.3	6.9	7.9
	<b>20</b>		0.007321	8.9	6.7	
	<b>21</b>		0.004869	8.6	7.3	
	<b>22</b>		0.004222	8.4	7.7	
	<b>23</b>		0			
	<b>24</b>		0			
	<b>25</b>		0.004636	8.9	6.7	
	<b>26</b>		0.003149	8.9	6.3	
	<b>27</b>	0.091	0			
	<b>28</b>		0.004151	8.9	6.7	<2.1
	<b>29</b>		0.004793	8.0	6.4	
	<b>30</b>		0			
	<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>	0.091	0.004275367	8.193333333	6.82	15.3	
	<b>Monthly Total</b>						
	<b>Daily Max</b>	0.091	0.016786	8.9	7.7	38	
	<b>Daily Min</b>	0.091	0	7.2	6.1	<2.1	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>						
	<b>Monthly Total</b>						
	<b>Daily Max</b>			9	0	680	0
	<b>Daily Min</b>				6	0	
<b>QA/QC Information</b>	<b>LOD</b>	0.079				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>					
	<b>4</b>	0.003851	<1.9			
	<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>	0.00038668			1.6	
	<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>	0.000073			0.46	10
	<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>	0.001436893		0		0.46		1.6		10	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	0.003851		<1.9		0.46		1.6		10	
	<b>Daily Min</b>	7.3E-05		<1.9		0.46		1.6		10	
<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>					0.079				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>					
	<b>4</b>	67	3.3	0.151962		
	<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>	21	1.8	0.040039		
	<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>	2.0	<0.47	0.0073940		
	<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>	<b>Monthly Avg</b>	30	1.7	0.066465		
	<b>Monthly Total</b>					
	<b>Daily Max</b>	67	3.3	0.151962		
	<b>Daily Min</b>	2	<0.47	0.007394		
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					
	<b>Monthly Total</b>					
	<b>Daily Max</b>					9
	<b>Daily Min</b>					
<b>QA/QC Information</b>	<b>LOD</b>	0.74	0.47			
	<b>LOQ</b>	1.7	1.7			
	<b>QC Exceedance</b>	N	N	N	N	N
	<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>	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>					

	<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>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>			38							
	<b>Monthly Total</b>										
	<b>Daily Max</b>			38		194		0.22		18	
	<b>Daily Min</b>	6									
<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>	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>					
	<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		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>				
	<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
	<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

SP703 will not have an Arsenic reading because it is not operational. Laura Gerold was contacted by Ryan Suennen about the situation.

Laboratory Quality Control Comments

Submitted by Anne Fleury(afleury16) on 5/18/2022 9:23:54 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: 05/01/2022 - 05/31/2022  
 Form Due Date: 06/21/2022  
 Permit Number: 0001040

Date Received:  
 DOC: 494156  
 FIN: 7245  
 FID: 438039470  
 Region: Northeast Region  
 Permit Drafter: Jason R Knutson  
 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		0.08800	7.2		7.0
	2		0.13940	7.3		6.9
	3		0.15570	7.4		7.0
	4		0.14960	7.5		7.3
	5		0.12420	7.4		7.0
	6		0.07570	7.4		7.2
	7		0.07680	7.5		7.3
	8		0.06610	7.4		7.2
	9		0.07780	7.4		7.1
	10		0.11290	7.5		7.1
	11		0.06540	7.5		7.2
	12		0.22040	7.4		6.9
	13		0.04620	7.5		6.9
	14		0.03380	7.4		7.2
	15		0.05280	7.5		7.3
	16		0.13650	7.5		7.1
	17		0.13600	7.4		7.2
	18		0.14960	7.4		7.3
	19		0.23020	7.6		6.1
	20		0.20050	7.6		7.0
	21		0.05420	7.7		7.6
	22		0.06780	7.6		7.4
	23		0.13770	7.4		7.2
	24		0.14180	7.4		7.0
	25		0.47580	7.3		6.7
	26		0.15430	7.3		6.7
	27		0.10180	7.2		7.1
	28		0.06890	7.3		7.2
	29		0.08430	7.4		7.2
	30		0.10810	7.4		7.1
	31		0.15420	7.6		7.0

	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>	Monthly Avg		0.125370968	7.432258065		7.080645161
	Monthly Total					
	Daily Max		0.4758	7.7		7.6
	Daily Min		0.0338	7.2		6.1
<b>Limit(s) in Effect</b>	Monthly Avg					
	Monthly Total					
	Daily Max			9	0	
	Daily Min					6
<b>QA/QC Information</b>	LOD					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	<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>	52					
	<b>2</b>	57					
	<b>3</b>	58					
	<b>4</b>	59					
	<b>5</b>	59					
	<b>6</b>	56					
	<b>7</b>	55					
	<b>8</b>	53					
	<b>9</b>	60					
	<b>10</b>	68					
	<b>11</b>	67					
	<b>12</b>	67					
	<b>13</b>	62					
	<b>14</b>	64					
	<b>15</b>	61					
	<b>16</b>	63		310	150	0.171	<0.49
	<b>17</b>	64					
	<b>18</b>	66					
	<b>19</b>	66					
	<b>20</b>	64					
	<b>21</b>	59					
	<b>22</b>	58					
	<b>23</b>	64					
	<b>24</b>	65					
	<b>25</b>	63					
	<b>26</b>	64					
	<b>27</b>	62					
	<b>28</b>	60					
	<b>29</b>	63					
	<b>30</b>	64					
	<b>31</b>	72					

	<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>Summary Values</b>	<b>Monthly Avg</b>	61.774193548		310		150		0.171		0	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	72		310		150		0.171		<0.49	
	<b>Daily Min</b>	52		310		150		0.171		<0.49	
<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
	<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>	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>		0.0005586	16	0.01824	0.025	0.0285
	<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>	0.0005586		16		0.01824		0.025		0.0285	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	0.0005586		16		0.01824		0.025		0.0285	
	<b>Daily Min</b>	0.0005586		16		0.01824		0.025		0.0285	
<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	0	92	0	0.44	0
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>			1.7				0.005			
	<b>LOQ</b>			5				0.01			
	<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>						
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						
	12						
	13						
	14						
	15						
	16				450	42	2.17283
	17						
	18			3.8			
	19						
	20						
	21						
	22						
	23		40				
	24						
	25						
	26						
	27						
	28						
	29						
	30						
	31						



	<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>Summary Values</b>	<b>Monthly Avg</b>	40		3.8		450		42		2.17283	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	40		3.8		450		42		2.17283	
	<b>Daily Min</b>	40		3.8		450		42		2.17283	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	38	1								
	<b>Monthly Total</b>										
	<b>Daily Max</b>	38	1	29	0						
	<b>Daily Min</b>										
<b>QA/QC Information</b>	<b>LOD</b>	30		0.079		3.6		0.45			
	<b>LOQ</b>	100		0.5		8.4		1.7			
	<b>QC Exceedance</b>	Y		N		N		N		N	
	<b>Lab Certification</b>			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				
	<b>2</b>	0.03197	7.6	6.6		
	<b>3</b>	0.04258	7.4	6.9		
	<b>4</b>	0.03244	8.2	6.8		
	<b>5</b>	0.02390	7.7	6.4		
	<b>6</b>	0.00613	8.7	6.4		
	<b>7</b>	0				
	<b>8</b>	0				
	<b>9</b>	0.01836	8.2	6.7		
	<b>10</b>	0.01762	7.6	6.4		
	<b>11</b>	0.01439	7.2	6.5		
	<b>12</b>	0.01252	8.0	6.4		
	<b>13</b>	0.00138	7.6	6.6		
	<b>14</b>	0				
	<b>15</b>	0				
	<b>16</b>	0.04306	7.2	6.6		
	<b>17</b>	0.03270	7.8	6.5		
	<b>18</b>	0.03229	7.9	6.7		
	<b>19</b>	0.02804	8.8	6.4		
	<b>20</b>	0.01498	8.3	6.5		
	<b>21</b>	0				
	<b>22</b>	0				
	<b>23</b>	0.03940	8.2	6.9		
	<b>24</b>	0.03081	8.1	6.6		
	<b>25</b>	0.03361	7.9	6.7		
	<b>26</b>	0.02860	8.4	6.5		
	<b>27</b>	0.00969	8.4	6.3		
	<b>28</b>	0				
	<b>29</b>	0				
	<b>30</b>	0				
	<b>31</b>	0.04390	7.2	6.5		

	Sample Point	101		101		101		101	
	Description	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	Parameter	211		373		374		379	
	Description	Flow Rate		pH (Maximum)		pH (Minimum)		pH Total Exceedance Time Minutes	
	Units	MGD		su		su		minutes	
<b>Summary Values</b>	Monthly Avg	0.017366774		7.923809524		6.566666667			
	Monthly Total								
	Daily Max	0.0439		8.8		6.9			
	Daily Min	0		7.2		6.3			
<b>Limit(s) in Effect</b>	Monthly Avg								
	Monthly Total						446	0	0
	Daily Max			9	0				
	Daily Min					6	0		
<b>QA/QC Information</b>	LOD								
	LOQ								
	QC Exceedance	N		N		N		N	
	Lab Certification								

	<b>Sample Point</b>	101	101	101	101	101	
	<b>Description</b>	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	
	<b>Parameter</b>	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>						
	<b>2</b>						
	<b>3</b>						
	<b>4</b>						
	<b>5</b>						
	<b>6</b>						
	<b>7</b>						
	<b>8</b>						
	<b>9</b>				<0.49	7.9	3.9
	<b>10</b>			3.0			
	<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>	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>			3		0		7.9		3.9	
	<b>Monthly Total</b>										
	<b>Daily Max</b>			3		<0.49		7.9		3.9	
	<b>Daily Min</b>			3		<0.49		7.9		3.9	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>	31		26	0	260	0	2070	0	2380	0
	<b>Monthly Total</b>										
	<b>Daily Max</b>	60		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>			5.2		1		5		5	
	<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	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>	130				2.6
	<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>			0.17	0.0208	
	<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>	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>	130				0.17		0.0208		2.6	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	130				0.17		0.0208		2.6	
	<b>Daily Min</b>	130				0.17		0.0208		2.6	
<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				0.079				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>		9375	6100	38	
	<b>3</b>		5565			
	<b>4</b>		6088			
	<b>5</b>		9214			
	<b>6</b>		3106			
	<b>7</b>		0			
	<b>8</b>		0			
	<b>9</b>	0.00039	8095			
	<b>10</b>		2386	2800	17	
	<b>11</b>		9416			
	<b>12</b>		6372			
	<b>13</b>		6668			
	<b>14</b>		0			
	<b>15</b>		0			
	<b>16</b>		5279	4500	28	
	<b>17</b>		5071			
	<b>18</b>		6227			0.90
	<b>19</b>		6885			
	<b>20</b>		5265			
	<b>21</b>		0			
	<b>22</b>		0			
	<b>23</b>		8074	4400	33	
	<b>24</b>		6850			
	<b>25</b>		3597			
	<b>26</b>		6671			
	<b>27</b>		5024			
	<b>28</b>		0			
	<b>29</b>		0			
	<b>30</b>		0			
	<b>31</b>		2871			



	<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>	0.00039	4132.225806452	4450	29	0.9
	<b>Monthly Total</b>					
	<b>Daily Max</b>	0.00039	9416	6100	38	0.9
	<b>Daily Min</b>	0.00039	0	2800	17	0.9
<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>			42*Footnote		0.079
	<b>LOQ</b>			250*Footnote		0.5
	<b>QC Exceedance</b>	N	N	N	N	N
	<b>Lab Certification</b>			999580010	999580010	999580010

\*Footnote: QA/QC Information is not identical for each day, so the value shown is the maximum of all values for LOD/LOQ data or the first Lab found for Lab Cert data.

	<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>		0.004541	7.2	6.8	<2.1
	<b>3</b>		0.004982	7.0	6.3	
	<b>4</b>		0.004639	6.8	6.2	
	<b>5</b>		0.005565	6.6	6.1	
	<b>6</b>		0.002474	6.6	6.1	
	<b>7</b>		0			
	<b>8</b>		0			
	<b>9</b>		0.003807	8.9	6.1	
	<b>10</b>		0.001873	8.9	6.1	5.9
	<b>11</b>		0.004638	8.9	7.1	
	<b>12</b>		0.003544	8.9	7.9	
	<b>13</b>		0.004430	8.9	8.2	
	<b>14</b>		0			
	<b>15</b>		0			
	<b>16</b>		0.004103	7.7	7.0	6.3
	<b>17</b>		0.004325	7.3	6.9	
	<b>18</b>	<0.079	0.004795	7.1	6.8	
	<b>19</b>		0.004252	7.0	6.8	
	<b>20</b>		0.004792	8.4	7.1	
	<b>21</b>		0			
	<b>22</b>		0			
	<b>23</b>		0.003770	8.9	6.1	9.2
	<b>24</b>		0.004014	8.2	6.1	
	<b>25</b>		0.003548	8.7	8.0	
	<b>26</b>		0.003343	8.9	8.0	
	<b>27</b>		0.002312	8.9	6.8	
	<b>28</b>		0			
	<b>29</b>		0			
	<b>30</b>		0			
	<b>31</b>		0	8.9		

	<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	0.002572484	8.033333333	6.825	5.35	
	<b>Monthly Total</b>						
	<b>Daily Max</b>	<0.079	0.005565	8.9	8.2	9.2	
	<b>Daily Min</b>	<0.079	0	6.6	6.1	<2.1	
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>						
	<b>Monthly Total</b>						
	<b>Daily Max</b>			9	0	680	0
	<b>Daily Min</b>				6	0	
<b>QA/QC Information</b>	<b>LOD</b>	0.079				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>	0.0000795				
	<b>3</b>					
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>	0.0000922				
	<b>9</b>					
	<b>10</b>		<1.9			
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>					
	<b>16</b>	0.0002156				
	<b>17</b>					
	<b>18</b>			0.26		
	<b>19</b>					
	<b>20</b>					
	<b>21</b>					
	<b>22</b>					
	<b>23</b>	0.0002892				
	<b>24</b>					
	<b>25</b>					10
	<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>	0.000169125		0		0.26				10	
	<b>Monthly Total</b>										
	<b>Daily Max</b>	0.0002892		<1.9		0.26				10	
	<b>Daily Min</b>	7.95E-05		<1.9		0.26				10	
<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>					0.079				30	
	<b>LOQ</b>					0.5				100	
	<b>QC Exceedance</b>	N		N		N		N		N	
	<b>Lab Certification</b>			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>	2.2	<0.49	0.0084329		
	<b>3</b>					
	<b>4</b>					
	<b>5</b>					
	<b>6</b>					
	<b>7</b>					
	<b>8</b>					
	<b>9</b>					
	<b>10</b>	2.1	<0.46	0.00326554		
	<b>11</b>					
	<b>12</b>					
	<b>13</b>					
	<b>14</b>					
	<b>15</b>					
	<b>16</b>	4.8	<0.50	0.007775		
	<b>17</b>					
	<b>18</b>					
	<b>19</b>					
	<b>20</b>					
	<b>21</b>					
	<b>22</b>					
	<b>23</b>	1.9	<0.50	0.007144		
	<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>	<b>Monthly Avg</b>	2.75	0	0.00665436		
	<b>Monthly Total</b>					
	<b>Daily Max</b>	4.8	<0.5	0.0084329		
	<b>Daily Min</b>	1.9	<0.46	0.00326554		
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>					
	<b>Monthly Total</b>					
	<b>Daily Max</b>					9
	<b>Daily Min</b>					
<b>QA/QC Information</b>	<b>LOD</b>	0.79*Footnote	0.5*Footnote			
	<b>LOQ</b>	1.9	1.9			
	<b>QC Exceedance</b>	N	N	N	N	N
	<b>Lab Certification</b>					

\*Footnote: QA/QC Information is not identical for each day, so the value shown is the maximum of all values for LOD/LOQ data or the first Lab found for Lab Cert data.

	<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>					



	<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>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>			38							
	<b>Monthly Total</b>										
	<b>Daily Max</b>			38		194		0.22		18	
	<b>Daily Min</b>	6									
<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>	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>					
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	<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>					
	<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		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>				
	<b>8</b>				
	<b>9</b>				
	<b>10</b>				
	<b>11</b>				
	<b>12</b>				
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	<b>14</b>				
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	<b>28</b>				
	<b>29</b>				
	<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>	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

For OF003 I forgot to run the test for Hardness so, there is not one this month.  
Also, SP703 is still shut down so, no samples from there either.

Laboratory Quality Control Comments

Cl- for OF001 was a little high.

Exceedence Comments

Reported to my supervisor. Monitoring the situation.

Submitted by Anne Fleury(afleury16) on 6/20/2022 12:54:08 PM

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**Attachment 3**  
**2022 Pump Down Program Groundwater Elevation**  
**Monitoring**

Attachment 3. 2022 Pump Down Program Groundwater Elevation Monitoring  
 Tyco Fire Products LP, Marinette, Wisconsin

Target Elevation	577.9
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Well ID	January 6, 2022		January 13, 2022		January 20, 2022		January 27, 2022		February 8, 2022		February 17, 2022		February 22, 2022		March 1, 2022		March 8, 2022		March 15, 2022		March 22, 2022		March 29, 2022		April 5, 2022			
	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)
MW001M	10.18	576.94	10.29	576.83	11.29	575.82	11.34	575.77	10.83	576.28	11.49	575.62	11.34	575.77	11.36	575.75	11.16	575.95	11.12	575.99	11.28	575.83	10.94	576.17	10.51	576.61		
MW001S	10.38	576.82	10.53	576.67	11.49	575.71	11.53	575.67	11.06	576.14	11.70	575.50	11.56	575.64	11.61	575.59	11.44	575.76	11.30	575.90	11.54	575.66	11.23	575.97	10.77	576.43		
MW002M-R	13.50	576.90	13.59	576.81	14.35	576.05	14.57	575.83	14.09	576.31	14.65	575.74	14.60	575.79	14.67	575.72	14.54	575.86	14.45	575.95	14.53	575.87	14.26	576.14	13.92	576.48		
MW002S-R	13.47	576.80	13.54	576.73	14.30	575.97	14.53	575.74	14.07	576.20	14.62	575.65	14.58	575.69	14.64	575.63	14.48	575.79	14.43	575.84	14.46	575.81	14.23	576.04	13.83	576.44		
MW031M	10.89	577.11	11.02	576.98	12.13	575.86	12.12	575.87	11.55	576.45	12.47	575.52	12.06	575.93	12.08	575.91	11.94	576.06	11.85	576.15	12.07	575.92	11.68	576.32	11.27	576.73		
MW031S	12.03	576.84	12.17	576.70	13.37	575.50	13.30	575.57	12.70	576.17	13.58	575.29	13.24	575.63	13.22	575.65	13.08	575.79	12.97	575.90	13.29	575.58	12.83	576.04	12.43	576.44		
MW113S	13.37	576.90	13.43	576.84	14.32	575.95	14.38	575.89	13.95	576.32	14.47	575.80	14.42	575.80	14.51	575.76	14.37	575.90	14.30	575.97	14.35	575.92	14.14	576.13	13.77	576.50		
MW113M	11.42	578.85	11.57	578.70	12.18	578.09	12.22	578.05	12.02	578.25	12.44	577.83	12.32	577.95	12.38	577.89	12.28	577.99	12.19	578.08	11.99	578.28	11.78	578.49	11.33	578.94		
MW115P	11.82	577.25	11.96	577.11	12.84	576.23	12.90	576.17	12.59	576.48	13.37	575.70	13.16	575.91	13.23	575.84	13.09	575.98	13.09	575.98	13.23	575.84	12.89	576.18	11.08	577.99		
MW115S	12.12	576.84	12.27	576.69	13.55	575.41	13.43	575.53	12.78	576.18	13.65	575.31	13.34	575.62	13.37	575.59	13.17	575.79	13.11	575.85	13.38	575.58	12.91	576.05	12.44	576.52		
MW116P	12.63	577.22	12.65	577.20	12.82	577.03	12.86	576.99	12.98	576.87	12.96	576.89	12.98	576.87	12.95	576.90	12.98	576.87	12.95	576.90	12.98	576.87	11.52	578.34	11.21	578.65		
MW116S	13.00	576.86	13.14	576.72	14.02	575.83	14.33	575.52	13.59	576.26	14.36	575.49	14.19	575.66	14.18	575.67	14.02	575.83	13.98	575.87	14.18	575.67	13.69	576.16	13.22	576.64		
MW119D	8.59	580.13	8.68	580.04	8.76	579.96	8.82	579.90	8.92	579.80	8.96	579.76	8.99	579.73	9.03	579.69	9.09	579.63	9.13	579.59	9.17	579.55	9.12	579.60	9.12	579.60		
EW-3	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
EW-10	10.28	576.77	10.28	576.77	11.23	575.82	11.33	575.72	10.82	576.23	11.62	575.43	11.32	575.73	11.38	575.67	11.23	575.82	11.76	575.29	10.78	576.27	10.07	576.98	9.84	577.21		
EW-11	9.08	577.60	9.18	577.50	10.03	576.65	10.08	576.60	9.82	576.86	9.40	577.28	10.23	576.45	10.26	576.42	10.06	576.62	10.85	575.83	9.83	576.85	9.65	577.03	9.24	577.44		
EW-13	8.19	576.92	8.23	576.88	9.41	575.69	9.37	575.73	8.87	576.24	9.80	575.30	9.42	575.68	9.48	575.62	9.36	575.74	9.25	575.86	9.19	575.92	8.92	576.19	8.28	576.83		
EW-14	9.20	576.87	9.22	576.85	10.38	575.69	10.35	575.72	9.82	576.25	10.84	575.23	10.42	575.65	10.38	575.69	10.33	575.74	10.23	575.84	9.16	576.91	9.83	576.24	8.89	577.18		
MW034M	10.85	577.37	11.54	576.68	11.71	576.51	12.14	576.08	11.98	576.24	11.99	576.23	11.59	576.63	12.38	575.84	12.48	575.74	12.65	575.57	12.54	575.68	11.62	576.60	11.42	576.80		
MW034S	11.06	577.12	11.65	576.53	12.02	576.16	12.32	575.86	11.67	576.51	12.36	575.82	11.87	576.31	12.65	575.53	12.79	575.39	12.95	575.23	12.87	575.31	11.98	576.20	11.61	576.57		
MW036M	11.95	576.63	11.84	576.74	12.44	576.13	12.73	575.83	12.39	576.18	13.11	575.45	12.53	576.04	12.74	575.82	12.83	575.73	12.89	575.67	12.83	575.73	12.64	575.93	12.06	576.52		
MW036S	11.38	576.87	11.28	576.97	11.86	576.39	12.16	576.09	11.89	576.36	12.13	576.12	11.86	576.39	12.17	576.08	12.31	575.94	12.41	575.84	12.32	575.93	12.05	576.20	11.48	576.77		
MW038M	9.47	576.67	9.12	577.02	9.90	576.24	10.28	575.86	9.76	576.38	9.90	576.24	9.74	576.40	9.89	576.25	9.99	576.15	10.09	576.05	9.97	576.17	9.82	576.32	9.01	577.13		
MW038S	11.19	576.63	10.80	577.02	11.63	576.19	12.00	575.82	11.42	576.40	11.65	576.17	11.48	576.34	11.60	576.22	11.74	576.08	11.84	575.98	11.69	576.13	11.56	576.26	10.79	577.03		
MW120D	8.14	580.65	8.52	580.27	8.76	580.03	8.99	579.79	8.65	580.14	8.92	579.86	8.48	580.31	8.73	580.06	8.63	580.16	8.79	580.00	8.28	580.51	8.69	580.10	8.17	580.62		
MW120M	11.63	577.28	11.81	577.10	12.30	576.60	12.43	576.47	12.45	576.45	12.75	576.14	12.54	576.36	12.88	576.01	12.98	575.91	13.12	575.77	13.03	575.86	12.51	576.39	11.84	577.07		
MW120S	11.15	577.37	11.17	577.35	11.76	576.76	11.76	576.76	11.99	576.53	12.26	576.26	12.04	576.48	12.29	576.23	12.45	576.07	12.58	575.94	12.58	575.94	12.13	576.39	10.98	577.54		
EW-2	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
EW-8	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	8.00	576.11	8.08	576.03	NM	-	8.02	576.09	9.62	574.48	8.44	575.66		
EW-9	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	10.94	572.42	11.33	572.03	NM	-	11.62	571.74	7.13	576.24	9.42	573.94		
MW004M	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
MW004S	6.00	582.74	6.23	582.51	6.51	582.23	6.57	582.17	6.78	581.96	6.87	581.87	6.88	581.86	6.97	581.77	6.72	582.02	6.58	582.16	5.88	582.86	5.24	583.50	5.52	583.22		
MW032M	6.72	581.63	6.94	581.41	7.35	581.00	7.14	581.21	7.29	581.06	7.45	580.90	7.34	581.01	7.36	580.99	7.18	581.17	7.19	581.16	6.62	581.74	6.27	582.09	5.64	582.72		
MW032S	6.01	582.48	6.18	582.31	6.59	581.89	6.53	581.95	6.63	581.85	6.85	581.63	6.62	581.86	6.76	581.72	6.32	582.17	6.38	582.10	5.48	583.01	5.08	583.41	4.50	583.99		
MW033M	4.89	582.85	5.12	582.61	5.41	582.32	5.47	582.26	5.64	582.08	5.72	582.00	5.78	581.94	5.81	581.91	5.55	582.17	5.43	582.30	4.69	583.05	4.07	583.68	3.47	584.29		
MW033S	4.63	582.69	4.89	582.43	5.17	582.15	5.21	582.11	5.42	581.90	5.50	581.82	5.49	581.83	5.61	581.71	5.34	581.98	5.29	582.03	4.47	582.85	NM	-	3.52	583.80		
MW039M	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
MW039S	3.46	582.74	3.68	582.52	3.96	582.24	4.02	582.18	4.23	581.97	4.31	581.89	4.32	581.88	4.39	581.81	4.10	582.10	4.02	582.18	3.93	582.27	2.66	583.54	1.91	584.29		
MW035M	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
MW035S	6.38	581.27	6.79	580.86	7.16	580.49	7.35	580.30	7.54	580.11	7.68	579.97	7.58	580.07	7.81	579.84	5.82	581.83	6.13	581.52	5.46	582.19	5.63	582.02	5.39	582.26		
MW037M	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
MW037S	5.67	581.40	6.11	580.96	6.47	580.60	6.69	580.37	6.93	580.13	7.10	579.96	7.01	580.05	7.21	579.85	6.99	580.07	6.10	580.97	NM	-	NM	-	NM	-	NM	-
SG4	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
Rough Target Elevation Calc SV*		578.96		576.97		576.02		575.95		576.46		575.78		575.95		575.92		576.07		576.15		576.01		576.35		576.77		
Rough Target Elevation Calc 8S*		574.47		576.93		576.37		576.10		576.38		576.05		576.37		576.00		575.88		575.76		575.84		576.29				

Attachment 3. 2022 Pump Down Program Groundwater Elevation Monitoring  
 Tyco Fire Products LP, Marinette, Wisconsin

Target Elevation	577.9
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Well ID	April 12, 2022		April 21, 2022		April 26, 2022		May 5, 2022		May 10, 2022		May 17, 2022		May 26, 2022		June 1, 2022		June 6, 2022		June 14, 2022		June 28, 2022		July 6, 2022	
	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)	DTW	Corrected Groundwater Elevation (for equivalent fresh water)
MW001M	10.33	576.79	10.19	576.93	10.18	576.94	10.01	577.11	9.82	577.30	10.25	576.87	10.30	576.82	9.70	577.42	10.12	577.00	10.17	576.95	10.27	576.85	10.34	576.78
MW001S	10.59	576.61	10.44	576.76	10.47	576.73	10.29	576.91	10.08	577.12	10.53	576.67	10.57	576.63	9.95	577.25	10.40	576.80	10.45	576.75	10.53	576.67	10.58	576.62
MW002M-R	13.71	576.69	13.61	576.79	13.54	576.86	13.42	576.98	13.24	577.16	13.62	576.78	13.67	576.73	13.10	577.31	13.54	576.86	13.60	576.80	13.68	576.72	13.69	576.71
MW002S-R	13.61	576.66	13.51	576.76	13.48	576.79	13.40	576.87	13.12	577.16	13.55	576.72	13.59	576.68	12.97	577.31	13.45	576.82	13.51	576.76	13.49	576.78	13.61	576.66
MW031M	11.05	576.95	10.92	577.08	10.98	577.02	10.90	577.10	10.40	577.60	10.98	577.02	10.90	577.10	8.52	579.50	10.84	577.16	10.82	577.18	11.02	576.98	11.14	576.86
MW031S	12.19	576.68	12.06	576.81	12.12	576.75	12.02	576.85	11.71	577.16	12.22	576.65	12.22	576.65	11.65	577.22	11.99	576.88	11.99	576.88	12.03	576.84	12.29	576.58
MW113S	13.54	576.73	13.48	576.79	13.35	576.92	13.28	576.99	13.07	577.20	13.43	576.84	13.46	576.81	12.94	577.33	13.35	576.92	13.41	576.86	13.46	576.81	13.59	576.68
MW113M	11.15	579.12	10.98	579.29	10.98	579.29	10.96	579.31	10.74	579.54	11.02	579.25	10.79	579.49	10.71	579.57	10.94	579.33	11.06	579.21	11.32	578.95	11.43	578.84
MW115P	10.57	578.50	8.53	580.55	9.18	579.90	9.95	579.13	10.58	578.49	10.94	578.13	10.87	578.20	11.09	577.98	11.33	577.74	11.57	577.50	11.73	577.34	11.91	577.16
MW115S	12.20	576.76	12.10	576.86	12.18	576.78	12.06	576.90	11.75	577.22	12.33	576.63	12.35	576.61	11.72	577.25	12.02	576.94	12.18	576.78	12.19	576.77	12.36	576.60
MW116P	11.58	578.28	12.01	577.84	12.07	577.78	12.14	577.71	12.09	577.76	11.98	577.87	11.91	577.95	11.82	578.04	11.85	578.01	11.95	577.90	12.03	577.82	11.96	577.89
MW116S	13.08	576.78	12.99	576.87	13.01	576.85	12.83	577.03	12.73	577.13	13.27	576.59	13.37	576.49	12.60	577.26	13.06	576.80	13.22	576.64	13.09	576.77	13.16	576.70
MW119D	9.04	579.68	8.92	579.80	8.89	579.83	8.83	579.89	8.80	579.92	8.72	580.00	8.65	580.07	8.62	580.10	8.60	580.12	8.59	580.13	8.59	580.13	8.97	579.75
EW-3	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
EW-10	9.75	577.30	9.56	577.49	9.81	577.24	8.75	578.31	9.51	577.54	9.85	577.20	9.80	577.25	9.50	577.55	9.74	577.31	8.71	578.35	10.00	577.05	10.35	576.70
EW-11	8.99	577.69	8.93	577.75	8.88	577.80	8.76	577.92	8.62	578.06	8.92	577.76	8.85	577.83	8.50	578.18	8.83	577.85	8.89	577.79	9.02	577.66	9.14	577.54
EW-13	7.89	577.22	7.90	577.21	7.98	577.13	8.03	577.08	7.80	577.31	8.23	576.88	8.04	577.07	7.85	577.26	8.09	577.02	8.11	577.00	8.23	576.88	8.41	576.70
EW-14	9.22	576.85	9.14	576.93	9.22	576.85	9.10	576.97	8.82	577.25	9.38	576.69	9.31	576.76	8.82	577.25	9.19	576.88	9.25	576.82	9.29	576.78	9.45	576.62
MW034M	10.85	577.37	11.12	577.10	10.98	577.24	10.60	577.62	10.59	577.63	11.01	577.21	10.23	577.99	10.67	577.55	11.43	576.79	11.19	577.03	11.18	577.04	11.16	577.06
MW034S	11.10	577.08	11.37	576.81	11.19	576.99	10.56	577.62	10.81	577.37	11.26	576.92	11.40	576.78	10.89	577.29	11.67	576.51	11.45	576.73	11.52	576.66	11.52	576.66
MW036M	11.40	577.19	7.85	580.80	11.44	577.15	11.51	577.08	11.20	577.39	11.55	577.03	11.71	576.87	11.23	577.36	11.68	576.90	11.41	577.18	11.12	577.47	11.33	577.26
MW036S	10.84	577.41	11.18	577.07	10.77	577.48	10.93	577.32	10.54	577.71	10.92	577.33	11.11	577.14	10.60	577.65	11.08	577.17	10.81	577.44	10.56	577.69	10.73	577.52
MW038M	8.30	577.84	9.02	577.12	8.51	577.63	8.57	577.57	8.08	578.06	8.66	577.48	8.95	577.19	8.26	577.88	8.79	577.35	8.35	577.79	7.98	578.16	8.28	577.86
MW038S	9.97	577.86	10.77	577.05	10.19	577.64	10.21	577.62	9.81	578.02	10.36	577.47	10.61	577.21	9.95	577.88	10.52	577.30	10.00	577.83	9.59	578.24	9.90	577.93
MW120D	8.43	580.36	8.08	580.71	8.31	580.48	7.80	580.99	7.71	581.08	8.10	580.69	7.68	581.11	7.77	581.02	7.71	581.08	7.39	581.40	7.39	581.40	7.61	581.18
MW120M	11.29	577.63	11.27	577.65	11.18	577.74	11.30	577.62	11.25	577.67	11.38	577.54	11.22	577.70	11.14	577.78	11.44	577.47	11.45	577.46	11.61	577.30	11.60	577.31
MW120S	10.28	578.24	10.10	578.42	10.19	578.33	10.44	578.08	10.55	577.97	10.54	577.98	10.15	578.37	10.44	578.08	10.59	577.93	10.66	577.86	10.91	577.61	10.90	577.62
EW-2	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
EW-8	NM	-	12.90	571.19	9.73	574.37	6.81	577.30	9.65	574.45	8.92	575.18	8.90	575.20	8.02	576.09	10.10	574.00	6.61	577.50	6.20	577.91	6.49	577.62
EW-9	NM	-	9.46	573.90	11.42	571.94	6.23	577.14	9.61	573.75	9.75	573.61	9.54	573.82	9.18	574.18	13.72	569.63	8.52	574.84	11.78	571.58	8.91	574.45
MW004M	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
MW004S	5.34	583.40	3.92	584.82	4.05	584.69	4.18	584.56	4.41	584.33	4.24	584.50	3.70	585.04	4.04	584.70	4.07	584.67	4.39	584.35	5.02	583.72	5.21	583.53
MW032M	5.78	582.58	5.35	583.01	5.62	582.74	5.62	582.74	5.68	582.68	5.63	582.73	5.10	583.26	5.50	582.86	5.62	582.74	5.61	582.75	6.18	582.18	6.11	582.25
MW032S	4.52	583.97	4.09	584.40	4.38	584.11	4.42	584.07	4.69	583.80	4.42	584.07	4.90	583.59	4.32	584.17	4.57	583.92	4.55	583.94	5.37	583.12	5.33	583.16
MW033M	2.97	584.80	2.88	584.89	3.08	584.69	3.08	584.69	3.40	584.36	3.12	584.65	2.61	585.17	2.94	584.83	3.07	584.70	3.33	584.43	3.99	583.76	4.11	583.64
MW033S	3.21	584.11	2.56	584.76	2.78	584.54	2.82	584.50	3.07	584.25	2.86	584.46	2.30	585.02	2.65	584.67	2.86	584.46	3.00	584.32	3.75	583.57	3.86	583.46
MW039M	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
MW039S	1.88	584.32	1.33	584.87	1.49	584.71	1.60	584.60	1.89	584.31	1.72	584.48	1.10	585.10	1.49	584.71	1.47	584.73	1.85	584.35	2.44	583.76	2.61	583.59
MW035M	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
MW035S	5.70	581.95	5.59	582.06	5.74	581.91	5.76	581.89	5.88	581.77	5.81	581.84	5.42	582.23	5.81	581.84	5.69	581.96	5.98	581.67	7.32	580.33	7.32	580.33
MW037M	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
MW037S	4.85	582.22	4.76	582.31	4.89	582.18	4.96	582.11	5.05	582.02	5.00	582.07	4.67	582.40	5.01	582.06	4.98	582.09	5.26	581.81	6.80	580.26	6.88	580.18
SG4	NM	-	7.00	580.45	7.00	580.45	6.26	581.19	6.00	581.45	5.90	581.55	6.02	581.43	6.00	581.45	5.80	581.65	5.70	581.75	5.70	581.75	6.60	580.85
Rough Target Elevation Calc SV*		576.98		577.10		577.09		577.21		577.46		577.00		577.00		577.74		577.15		577.08		577.01		576.90
Rough Target Elevation Calc 8S*		577.58		577.75		577.52		577.57		577.73		577.37		577.41		577.68		577.18		577.42		577.52		577.40
Target Elevation (NAVD88)		577.90		577.90		577.90		577.90		577.90		577.90		577.90		577.90		577.90		577.90		577.90		577.90
SV Variance		-0.92		-0.80		-0.81		-0.69		-0.44		-0.90		-0.90		-0.16		-0.75		-0.82		-0.89		-1.00
8S Variance		-0.32		-0.15		-0.38		-0.33		-0.17		-0.53		-0.49		-0.22		-0.72		-0.48		-0.38		-0.50

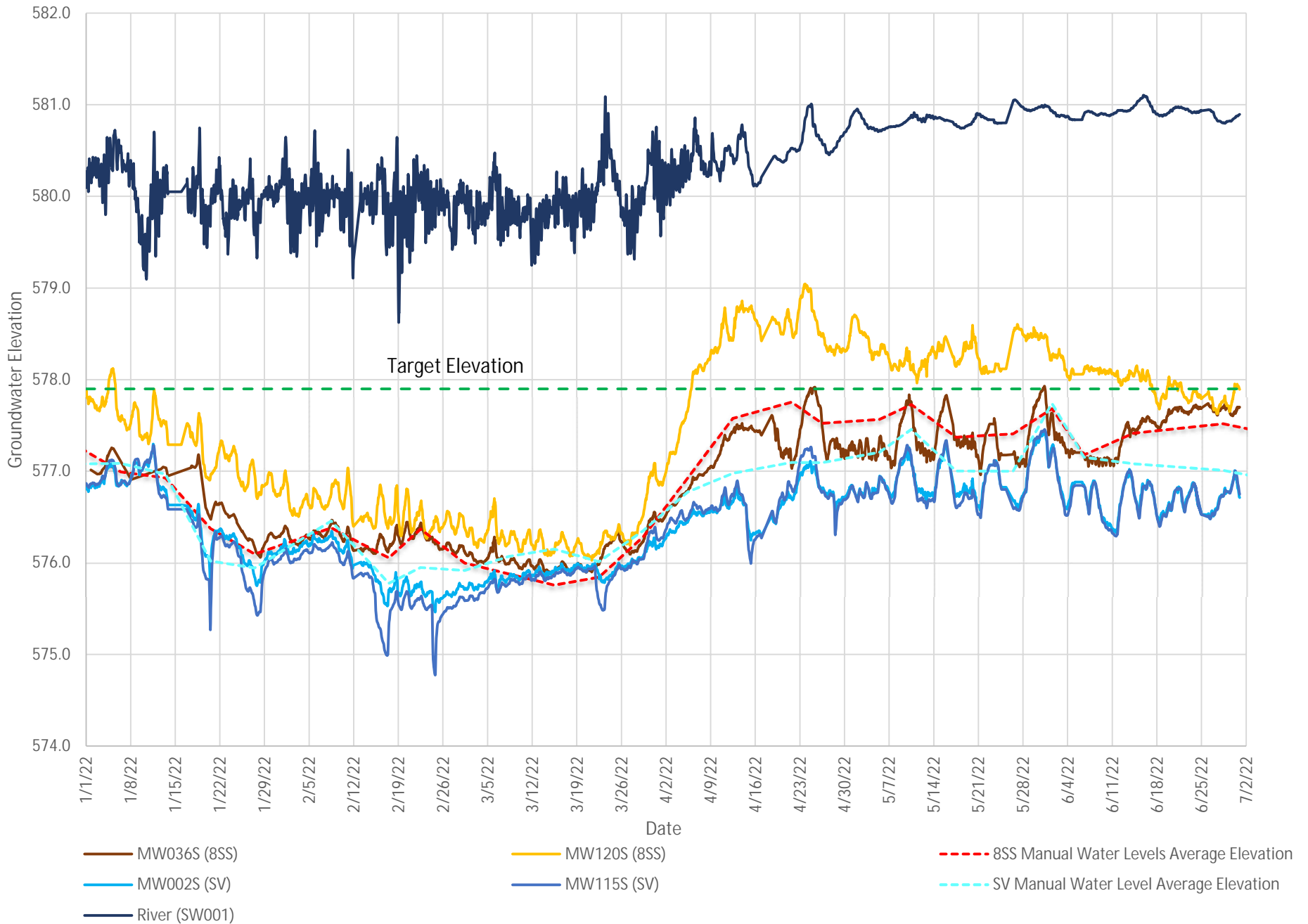
Notes:  
 Measurements were collected from top of casing (TOC). All depth measurements are in feet.  
 Elevations are reported in feet above mean sea level (AMSL) relative to the North American Vertical Datum 1988 (NAVD88)  
 Shaded = Well part of evaluation during Drawdown and Interim Phases  
 Bold = Well part of Target Elevation calculation  
 - = Information not applicable or not collected  
 Area Definitions - SV - Salt Vault, 8SS - 8th Street Slip  
 \*Wells identified for target elevation calculation are for during the drawdown and interim phases. Only wells outside the steepest portion of the cone of depression will be included in the calculation of the average elevations. The average elevation of all suitable measured wells will be considered the calculated elevation

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**Attachment 4**  
**Second Quarter 2022 PDP Pump House System**  
**Hydrograph and Pumping Rates**



# January through June 2022 Water Levels Pump Down Program System Hydrographs



April through June 2022 Former Salt Vault and Former 8th Street Slip Weekly Average Extraction Rates

