

Ms. Alyssa Sellwood, P.E. Complex Sites Project Manager, Remediation and Redevelopment Program State of Wisconsin Department of Natural Resources 101 South Webster Street Box 7921 Madison, WI 53707-7921

Date: September 23, 2022

BRRTS No.: 02-38-580694 Our Ref: 30129347 Subject: GETS Pre-Startup Monitoring Data Package Addendum Tyco FTC PFAS, 2700 Industrial Parkway South, Marinette, WI Arcadis U.S., Inc. 126 North Jefferson Street Suite 400 Milwaukee Wisconsin 53202 Phone: 414 276 7742 Fax: 414 276 7603 www.arcadis.com

Dear Ms. Sellwood,

On behalf of Tyco Fire Products LP (Tyco), Arcadis is providing this addendum to the July 15, 2022 data package for Groundwater Extraction and Treatment System (GETS) pre-startup monitoring activities related to the Tyco Fire Technology Center (FTC) per- or polyfluoroalkyl substances (PFAS) site located at 2700 Industrial Parkway South in Marinette, Wisconsin (Site).

This addendum has been prepared in response to comments received from Wisconsin Department of Natural Resources (WDNR) on August 24, 2022 and is being submitted in accordance with NR 724.13(3) and NR 724.17(3m).

This addendum includes the following components:

- Monitoring well construction and development forms for MW-EX-2, MW-EX-3, MW-EX-4, and MW-EX-5
- A summary of the Ditch B staff gauge/benchmark measurements
- Transducer data for the Ditch B Treatment System
- Revised Table 4 (addition of the water level measurement collected from PZ-1S on April 5, 2022)
- Revised Figures 5 and 6

In addition, responses to WDNR comments to the July 15, 2022 data package are presented below.

• WDNR Comment: Verify if MW-EX-2 has a 10-foot well screen, and if so, provide a description as to why.

MW-EX-2 has a 10-foot screen. Immediately following construction of Extraction Well 2 (EX-2), an unscheduled, preliminary pumping test was conducted at the extraction well. To support this preliminary pumping test, MW-EX-2 was installed using supplies (which included a 10-foot screen) the driller had available on-site. MW-EX-2 was intended to be a temporary installation and the plan was to abandon the well after completing the pump test. Once installed, it was decided to leave MW-EX-2 in place for potential future data collection needs.

• WDNR Comment: The continuous pressure transducer data for Ditch B in Figure 4 is incomplete.

All transducer data collected through April 2022 were included within the original submittal July 15, 2022 and are provided in the attached addendum. No transducer data were collected at locations U10 and M09 during the winter months. The stilling wells and transducers were removed from the ditch on November 21, 2021 to prevent damage as a result of ice accumulation. In anticipation of GETS startup, the stilling wells were reinstalled and the transducers were placed back into the stilling

wells at locations U10 and M09 in May 2022. Data collected after reinstallation will be provided in forthcoming startup phase reports.

For location M09, there are no transducer data from July 5 through July 14, 2021, as the transducer was knocked down due to debris in the ditch. The stilling well and transducer were reinstalled more securely on July 14 and data collection resumed.

• WDNR Comment: Include a statement on how the transducer data are correlated to stage/elevation.

The following statement has been added to the hydrograph figures: The data collected from each transducer provide the water depth at the transducer collected hourly. These data are then compared to manual measurements taken from the surveyed reference point and converted to a water level elevation.

 WDNR Comment: Include the stage/elevation measured at the Ditch Treatment System where flow rate is determined.

Transducer data from the Ditch B treatment system have been added to Figure 4. Note that transducer data at the Ditch B treatment system are provided beginning on July 1, 2021. The data prior to this date may be affected by the treatment system intake depressing the surface water elevation and thus may be biased low. The transducer location was moved upstream in July and then further upstream in October to minimize the impacts of the treatment system intake on stage/elevation measurements. Because of this uncertainty, the water elevations from SG-L09 prior to July 1, 2021 are not used to evaluate natural water elevation.

 WDNR Comment: Evaluate and provide explanation for the cause and significance of the discrepancy in PFAS concentrations in groundwater collected from permanent monitoring well PZ-55-64 and groundwater collected via vertical aquifer profiling (VAP) in the same location from approximately the same interval.

The higher PFAS concentrations detected in the August 2021 VAP sample [SB-PZ-55 (59-64 ft)] are interpreted to be representative of the highest concentrations present in groundwater in the area of EX-8, which is screened across this same interval. The result is consistent with the highest concentrations observed both upgradient (e.g., PZ-3) and down-gradient (e.g., PZ-52-41). VAP and monitoring well sampling results throughout the plume also show that these zones of highest concentrations occupy a narrow portion of the aquifer. High concentrations are not broadly dispersed throughout the saturated thickness of the aquifer. Zones with vastly different concentrations may be present in close proximity, as was shown at SB-PZ-55 where the PFOA in the 50-55 ft sample was 3.1 ng/L, but 51,000 in the 59-64 ft sample.

These observations indicate that flow through the aquifer conforms to a complex network of interconnected pathways, likely following higher-permeability deposits. Under these conditions, changes in the hydraulic gradient may cause flow to shift from one pathway to another. At plume-scale these changes likely have little effect on mass transport. However, individual wells may have dramatic changes in concentrations, as the high-concentration pathways continually shift through seasonal changes in the gradient. In that context, the difference between the high concentrations in the August 2021 VAP sample [SB-PZ-55 (59-64 ft)] and the much lower concentrations detected in PZ-55-64 in April 2022 is consistent with aquifer heterogeneity, recognizing that it has both spatial and temporal components.

When the GETS becomes operational, seasonal changes and the complex geometry of transport pathways will no longer be relevant. The system is designed to extract enough groundwater to fully capture all transport pathways within its operating area. Once the GETS is operational, the concentrations at observation wells like PZ-55-64 will not be relevant for evaluating nature and extent of PFAS concentrations, because the pathways to those wells will be strongly biased by pumping at the adjacent extraction wells. The intended role of PZ-55-64 is nearfield water-level monitoring of EX-8, which is located 15 feet away. The primary data to be monitored to understand how concentrations near EX-8 are changing will be the concentration and mass-removal trends from EX-8 as it operates. These data will be collected as a routine component of the GETS monitoring program. No additional monitoring to evaluate concentration trends at PZ-55-64 is planned.

• WDNR Comment: The DNR recommends collecting a PFAS sample at or around the start of pumping from each extraction well.

All extraction wells were sampled for PFAS on September 16, 2022. Validated sample results will be provided to WDNR in a report during the startup phase of monitoring.

Please do not hesitate to call us if you have any questions.

Sincerely, Arcadis U.S., Inc.

Matthew Coleman Project Communications Manager

Email: Matthew.Coleman@arcadis.com Direct Line: (315) 671-9641

Enclosures:

Tables

- 4 GETS Baseline Groundwater Elevation Data (Revised)
- 9 Benchmark/Staff Gauge Water Level Measurements (New)

Figures

- 4a Transducer Hydrographs and Ditch B Flow Rates (Revised)
- 4b Transducer Hydrographs and Ditch B Flow Rates (New)
- 5 Potentiometric Surface In Shallow Sand April 5, 2022 (Revised)
- 6 Potentiometric Surface In Deep Sand April 5, 2022 (Revised)

Attachments

1 Soil Boring Logs, Well Construction Logs, and Well Development Logs (EX-MW2 through EX-MW5)

Tables

Table 4GETS Baseline Groundwater Elevation DataGETS Pre-Startup Monitoring Data PackageTyco Fire Technology Center, Marinette, Wisconsin



										7/12/2021				2	
Well ID	Туре	Year Installed	Zone Screened	Northing	Easting	Depth to Top of Screen (feet bgs)	Depth to Bottom of Screen (feet bgs)	Top of Casing Elevation (feet amsl)	Surface Finish	Depth to Water	Total Depth	Groundwater Elevation	Depth to Water	Total Depth	Groundwater Elevation
Locations on T	Tyco FTC														
PZ-1D	MW	2010	BR	463765.45	2579848.55	63.5	68.5	606.23	Stickup	11.09	71.05	595.14	10.62	70.63	595.61
PZ-3	MW	2010	OB	462779.96	2579903.6	38	43	609.20	Stickup	5.97	44.61	603.23	8.81	44.85	600.39
PZ-4S	MW	2010	OB	462494.3	2578513	36	41	607.89*	Stickup				2.45	43.59	605.44
PZ-4D	MW	2010	BR	462514.61	2578515.193	68.5	73.5	607.86	Stickup				3.61	75.85	604.25
PZ-9	WL	NA	OB	463351.67	2578076.42	38	43	611.16	Stickup	6.68	45.03	604.48	5.6	45.31	605.56
PZ-14S	WL	NA	OB	462736.66	2577956.87	4	19	610.77	Stickup	5.12	21.53	605.65	4.16	21.76	606.61
PZ-14D	WL	NA	OB	462739.56	2577964.75	25	35	611.15	Stickup	5.72	36.87	605.43	4.91	36.91	606.24
PZ-15S	MW	NA	OB	463910.973	2579668.704	4	19	608.15	Stickup	9.05	22.05	599.10	8.99	22.21	599.16
PZ-15D	MW	NA	OB	463914.248	2579671.347	22	32	608.17	Stickup	9.28	33.70	598.89	9.22	33.84	598.95
PZ-16S	MW	NA	OB	463910.117	2579069.564	4	19	609.30	Stickup	7.65	21.42	601.65	7.78	21.7	601.52
PZ-16D	MW	NA	OB	463913.751	2579072.133	28	38	608.98	Stickup	7.79	39.16	601.19	7.61	39.03	601.37
PZ-17S	WL	NA	OB	463877.277	2579286.325	4	19	609.51	Stickup	8.65	19.54	600.86	8.71	19.78	600.80
PZ-17D	WL	NA	OB	463881.165	2579293.658	23	33	609.51	Stickup	8.60	33.29	600.91	8.72	34.75	600.79
PZ-18D	MW	NA	OB	462752.51	2579763.36	37	47	609.61	Stickup	8.85	48.30	600.76	8.63	48.53	600.98
PZ-22S	MW	NA	OB	462770.343	2579826.404	10	20	609.70	Stickup	8.79	23.90	600.91	8.65	24.23	601.05
PZ-22D	MW	NA	OB	462767.216	2579825.141	31	41	609.58	Stickup	8.68	43.10	600.90	8.48	43.06	601.10
PZ-45-31	WL	2020	OB	463858.365	2579412.748	20.8	30.8	607.90	Stickup	7.93	32.74	599.97	7.86	32.95	600.04
PZ-47-40	MW	2021	OB	463488.074	2578741.018	35	40	611.04	Stickup				7.69	43.01	603.35
MW-EX-2	WL	2021	OB	463835.844	2579741.381	19.5	29.5	606.76	Stickup	NI	NI	NI	7.92	32.23	598.84
Locations on T	Tyco (Fori	ner Barley)													
MW-EX-3	WL	2021	OB	464475.534	2580784.101	22	27	595.16	Stickup	NI	NI	NI	2.98	25.19	592.18
MW-EX-4	WL	2021	OB	464231.114	2581108.813	22	27	595.51	Stickup	NI	NI	NI	3.87	32.85	591.64
MW-EX-5	WL	2021	OB	463912.681	2581502.253	45	50	594.6	Stickup	NI	NI	NI	3.61	52.66	590.99
Location on Se	chool Pro	perty													
PZ-23	MW	2017	OB	464564.748	2580218.11	35	40	597.60	Flush	2.83	40.20	594.77	2.6	39.6	595.00
Location in Cit	ty of Marii	nette Rights	-of-Way												
PZ-24-17	MW	2019	OB	461565.486	2580738.831	7	17	604.84	Flush	5.56	16.68	599.28	5.22	16.33	599.62
PZ-24-47	MW	2019	OB	461570.226	2580738.859	37	47	604.73	Flush	5.60	47.35	599.13	5.12	46.91	599.61
PZ-25-17	MW	2019	OB	465263.641	2579969.294	7	17	598.30	Flush	6.13	16.73	592.17	5.49	16.73	592.81
PZ-26-11	WL	2019	OB	466609.378	2579203.396	6	11	597.77	Flush	5.10	10.99	592.67	4.04	11.01	593.73
PZ-26-49	WL	2020	BR	466616.848	2579219.121	39	49	596.29	Flush	1.64	49.35	594.65	2.05	48.52	594.24
PZ-29-17	MW	2019	OB	465386.375	2581734.145	7	17	593.62	Flush	4.48	17.09	589.14	2.36	17.08	591.26
PZ-29-43	MW	2019	OB	465386.278	2581729.487	38	43	593.52	Flush	4.23	43.41	589.29	3.49	42.52	590.03
PZ-29-68	MW	2020	BR	465386.378	2581721.414	58	68	593.46	Flush	4.24	68.98	589.22	3.38	67.63	590.08
PZ-30-12	MW	2019	OB	464126.008	2582520.183	7	12	594.32	Flush	4.11	12.12	590.21	3.19	12.12	591.13
PZ-30-45	MW	2019	OB	464123.407	2582525.016	35	45	594.22	Flush	4.93	44.66	589.29	4.26	43.75	589.96
PZ-30-59	MW	2019	OB	464121.177	2582529.077	54	59	594.15	Flush	5.15	59.99	589.00	4.28	58.71	589.87

Notes on Page 2.

Table 4GETS Baseline Groundwater Elevation DataGETS Pre-Startup Monitoring Data PackageTyco Fire Technology Center, Marinette, Wisconsin



											7/12/2021			4/5/202	2
Well ID	Туре	Year Installed	Zone Screened	Northing	Easting	Depth to Top of Screen (feet bgs)	Depth to Bottom of Screen (feet bgs)	Top of Casing Elevation (feet amsl)	Surface Finish	Depth to Water	Total Depth	Groundwater Elevation	Depth to Water	Total Depth	Groundwater Elevation
PZ-31-17	MW	2019	OB	462494.154	2582369.025	7	17	595.49	Flush	3.94	17.21	591.55	2.79	17.12	592.70
PZ-31-40	MW	2019	OB	462490.811	2582364.016	35	40	595.38	Flush	4.19	41.25	591.19	3.11	40.45	592.27
PZ-31-53	MW	2019	OB	462491.429	2582374.602	48	53	595.24	Flush	4.31	53.33	590.93	2.95	52.13	592.29
PZ-33-12	WL	2019	OB	460123.938	2582902.908	7	12	594.33	Flush	2.02	10.75	592.31	0.5	10.71	593.83
PZ-33-33	WL	2019	OB	460123.727	2582897.363	28	33	594.33	Flush	1.97	33.58	592.36	0.6	32.94	593.73
PZ-33-67	WL	2019	OB	460123.109	2582892.678	57	67	594.42	Flush	2.23	67.55	592.19	0.78	66.38	593.64
PZ-51-38	WL	2021	OB	463344.357	2582027.174	33	38	594.41	Flush	NI	NI	NI	3.14	37.92	591.27
PZ-52-41	WL	2021	OB	462776.477	2582413.718	36	41	594.73	Flush	NI	NI	NI	3.51	41.29	591.22
PZ-53-40	WL	2021	OB	461921.215	2582490.505	35	40	595.67	Flush	NI	NI	NI	2.7	39.53	592.97
PZ-54-47	MW	2021	OB	462712.3	2581376.3	42	47	598.38	Flush	NI	NI	NI	2.33	47.71	596.05
PZ-55-64	WL	2021	OB	462662.519	2580658.807	59	64	616.26	Flush	NI	NI	NI	18.24	63.96	598.02
PZ-56-42	MW	2021	OB	463289.605	2580664.186	37.2	42.2	605.43	Flush	NI	NI	NI	8.98	42.8	596.45
PZ-57-38	MW	2021	OB	462908.71	2583829.915	33	38	594.04	Flush	NI	NI	NI	3.68	38.85	590.36
Location on No	Location on Northland Lutheran Property														
PZ-32-18	MW	2019	OB	461901.091	2583990.782	8	18	591.19	Flush	2.39	18.33	588.80	1.72	18.11	589.47
PZ-32-72	MW	2019	OB	461908.303	2583990.817	67	72	591.23	Flush	2.57	73.80	588.66	1.81	71.22	589.42

Acronyms and Abbreviations:

amsl = above mean sea level

bgs = below ground surface

BR = bedrock

EX = extraction well

FTC = Fire Technology Center

GETS = groundwater extraction and treatment system

MW = monitoring well (sampling and gauging)

NA = information not available

NI = monitoring well was not installed during the gauging event

OB = overburden

PZ = Piezometer

WL = water level (depth to bottom and depth to water) only

* = Estimated elevation

Table 9 Benchmark/Staff Gauge Water Level Measurements GETS Pre-Startup Monitoring Data Package Tyco Fire Technology Center, Marinette, Wisconsin

	5/4/2021		2021	7/1/2021		9/1/2021		11/21/2021		4/5/2022	
Location	Survey Elevation	Measurement to Water Surface (ft)	Water Surface Elevation (ft AMSL)								
BM SG-U10	604.92	4.80	600.12	4.84	600.08	4.70	600.22	4.77	600.15	4.04	600.88
BM SG-M09	594.32	3.95	590.37	3.73	590.59	3.97	590.35	4.08	590.24	4.01	590.31
BM SG-M01	593.47	3.96	589.51	3.90	589.57	4.05	589.42	4.10	589.37	3.76	589.71
BM SG-L09	594.46	5.93	588.53	5.98	588.48	6.00	588.46	6.10	588.36	5.65	588.81

Figures





Notes:

- 1. REFER TO FIGURE 1 OF THIS SUBMITTAL FOR THE LOCATION OF THE DITCH B TREATMENT SYSTEM.
- 2. DITCH B FLOW RATE WAS CALCULATED AT THE DITCH B TREATMENT SYSTEM USING A RATING CURVE CALCULATION PRESENTED IN THE MAY 2022 DITCH B SEMIANNUAL OPERATION, MAINTENANCE, AND OPTIMIZATION PROGRESS REPORT #5 (ARCADIS 2022).
- 3. THE DATA COLLECTED FROM EACH TRANSDUCER PROVIDE THE WATER DEPTH AT THE TRANSDUCER COLLECTED HOURLY. THESE DATA ARE THEN COMPARED TO MANUAL MEASUREMENTS TAKEN FROM THE SURVEYED REFERENCE POINT AND CONVERTED TO A WATER LEVEL ELEVATION.

Acronyms and Abbreviations:

ft AMSL – FEET ABOVE MEAN SEA LEVEL gpm – GALLONS PER MINUTE



FIGURE

TRANSDUCER HYDROGRAPHS AND DITCH B FLOW RATES

MARINETTE, WI GETS PRE-STARTUP MONITORING DATA PACKAGE

TYCO FIRE TECHNOLOGY CENTER MARINETTE WI



LEGEND:

	APPROXIMATE MARINETTE CITY BOUNDARY
	APPROXIMATE SITE PROPERTY BOUNDARY
	ROAD
	CULVERT
	DITCH OR STREAM
	POTENTIOMETRIC CONTOUR
\times	SURFACE WATER TREATMENT SYSTEM
•	OVERBURDEN MONITORING WELL OR PIEZOMETER
\oplus	GETS EXTRACTION WELL
☆	STAFF GAUGE
5 <mark>91.56</mark>	GROUNDWATER LEVEL ELEVATION (FT AMSL)
589.71	SURFACE WATER LEVEL ELEVATION (FT AMSL)

NOTES: 1. WATER LEVELS WERE NOT MEASURED AT THE EXTRACTION WELLS (EX-1 TO EX-9) BUT EXTRACTION WELLS ARE SHOWN FOR REFERENCE PURPOSES. 2. AERIAL IMAGERY SOURCE: ESTRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY.

ACRONYMS: GETS - GROUNDWATER EXTRACTION AND TREATMENT SYSTEM FT AMSL - FEET ABOVE MEAN SEA LEVEL

0 600 1,200

GRAPHIC SCALE IN FEET

TYCO FIRE TECHNOLOGY CENTER MARINETTE, WISCONSIN

GETS PRE-STARTUP MONITORING DATA PACKAGE

POTENTIOMETRIC SURFACE IN SHALLOW SAND - APRIL 5, 2022







LEGEND:

	APPROXIMATE MARINETTE CITY BOUNDARY
	APPROXIMATE SITE PROPERTY BOUNDARY
	WATERBODY
	ROAD
	CULVERT
	DITCH OR STREAM
	POTENTIOMETRIC CONTOUR (DASHED WHERE INFERRED)
\times	SURFACE WATER TREATMENT SYSTEM
•	OVERBURDEN MONITORING WELL OR PIEZOMETER
\oplus	GETS EXTRACTION WELL
590.36	GROUNDWATER LEVEL ELEVATION (FT AMSL)

NOTES:

1. WATER LEVELS WERE NOT MEASURED AT THE EXTRACTION WELLS (EX-1 TO EX-9) BUT EXTRACTION WELLS ARE SHOWN FOR REFERENCE PURPOSES. 2. AERIAL IMAGERY SOURCE: ESTRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY.

ACRONYMS: GETS - GROUNDWATER EXTRACTION AND TREATMENT SYSTEM FT AMSL - FEET ABOVE MEAN SEA LEVEL

600

1,200

GRAPHIC SCALE IN FEET

TYCO FIRE TECHNOLOGY CENTER MARINETTE, WISCONSIN

GETS PRE-STARTUP MONITORING DATA PACKAGE

POTENTIOMETRIC SURFACE IN DEEP SAND - APRIL 5, 2022



Attachment 1

Soil Boring Logs, Well Construction Logs, and Well Development Logs

Department of Natural Resources

Route to:	Watershed/Wastewater	Waste Manager	ment			
Facility/Project Name	Legal Grid Legation of Wall	X Other		W-0 Man		_
Type - CETS Installation				Well Name		
Excility Ligance Deput or Manitoring No.			tt W	MW-EX-02	D110 117 11	
Facility License, Pennit or Monitoring No.		(estimated:) Long	or Well Location	Wis, Unique Well No.	DNR Well	I ID No
Facility ID	St. Plane	ft_N,	ft, E, S / C / N	Date Well Installed		
438005590	Section Location of Waste/Sour	rce	X E.	10/0	6/2021	
Type of Well	SE 1/4 of SW 1/4 of Sc	ec 7 T 30	N, R. 24	Well Installed By: Name (1	first, last) an	d Firm
Well Code 12 / PZ	Location of Well Relative to We	ell/Source	Gov. Lot Number	Al Sizemore		
Distance from Waste/ Enf. Stds.	u Upgradient	s Sidegradient		Cascade Drilling		
Source ft Apply	d Downgradient	n Not Known				
A. Protective pipe, top elevation	ft_MSL		I Cap and lock?		X Yes	No
			 Protective cover pipe 	be:		
B, Well casing, top elevation	ft_MSL	IH	a, Inside diameter		4	in.
			b. Length:		5	in.
C. Land surface elevation	ft_MSL		c. Material:		Steel	X 04
D. Surface seal, bottom 0.00 ft N	1SL or fi		d. Additional prot	ection?		No
12. USCS classification of soil pear screen:			if yes describe			
	w v so v		3 Surface cent:		Pontonito	
SM SC ML MH	IL CH		5 Surface Scar.		Concrete	X 01
Bedrock			`		Other	
13. Sieve analysis performed? Yes	X No		\		-	7. .
14. Drilling method used: Rotary	50		4. Material between w	ell casing and protective pir	be:	
Hollow stem auge	r 41				Bentonite	30
Rotasonic Othe	r X		None		Other	x
			5. Annular space seal:	a Granular/Chipped	Bentonite	33
15 Drilling fluid used: Water 02 Ai	r 🗍 01		b. Lbs/e	al mud weight Bentonite s	and-slurry	35
Drilling Mud 03 None	e X 99		c Lbs/g	al mud weight Bento	nite slurry	31
			d 1.0 % Be	ntonite Bentonite-cen	nent grout	¥ 50
16. Drilling additives used	X No		e F1	⁻³ volume added for any of i	the above	
Describe			f How	installed:	Tremie	
				Tremi	ie numped	
17. Source of water (attach analysis, if required):				ricin	Gravity	
			6 Bentonite seal:	a Bentonit	oravity	
				$\frac{1}{3/8}$ in $\frac{1}{2}$ in Bento	e granuies	
E. Bentonite seal top 0 ft M	ISLor 0 0 X		0 1/4 m		Other	H ³²
			 7 Fine sand material: 	Manufacturer, product nam	a & mosh sir	70
F. Fine saud, top -16.5 ft M	ISLor 165 ft	88//	a Red Flint son	i and gravel	Other	7
1010 Internet		181 187 /	h. Voluma added	1 bag ft ³	Other	_/
G. Filter pack top -18.5 ft M	ISL or 185 ft		8 Filter pack material	Manufacturar product pan	na & mach e	izo
	51 01 <u>10.5</u> 1	$\Pi R /$	a Red Flint san	and gravel	Other	10
H. Screen joint, topft. M	ISL or 19.5 ft	$HH \setminus$	b. Volume added	2 bags ft ³	ould	
			9. Well casing:	Flush threaded PVC sched	ule 40	X 23
I. Well bottom -29.5 ft. M	ISL or 29.5 ft			Flush threaded PVC sched	ule 80	24
	-				Other	
J. Filter pack, bottom ft, M	ISL or <u>30</u> ft		10 Screen material:	Flush thread PVC Sch 40)	1.1
			a Screen type:	F	actory cut	X 11
K, Borehole, bottomft, M	SL or <u>30</u> ft			Conti	nuous slot	01
					Other	
L Borehole diameter 7 in.			b. Manufacturer:	Johnson Screens		-3
		\mathbf{X}	c. Slot size:		0.010	in
M. O.D. well casing 2.375 in			d. Slotted length:		10.0	ft
			Il Backfill material (below filter pack):	None	01
N. I.D. well casing 1.875 in			Sand		Other	X
I hereby certify that the information on this form is t	rue and correct to the best of my l	knowledge.				
Simature Mar I, Bullion	Firm Geosynte	ec Consultants				

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Plots complete bath Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis Stats, and ch. NR 141, Wis Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis Stats, failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose NOTE: See the instructions for more information, including where the completed forms should be sent

MONITORING WELL CONSTRUCTION

Form 4400-113A	Rev. 7-98
10/11/10/01/10/1	1001 / /0

Department of Natural Resources	-		Form 4400-113A Rev_7-98
Route to:	Watershed/Wastewater	Waste Management	
	Remediation/Redevelopment X	Other	
Englist /Begiggt Name	Local Grid Location of Well	E	Well Name
Facinity/Flojeci Name	Local Olid Education of Weil		Non Name
Tyco - GETS Installation	it S.	п ј у	MW-EX-05
Facility License, Permit or Monitoring No.	Local Grid Origin (estimat	ed:) or Well Location	Wis, Unique Well No, DNR Well ID No,
	Lat	Long	r
Facility 1D	St. Plane ft, N,	ñ, E, S / C / N	Date Well Installed
438005590	Section Location of Waste/Source	X E.	10/25/2021
Type of Well	NW 1/4 of SE 1/4 of Sec. 7	T 30 NR 24	Well Installed By: Name (first_last) and Firm
Well Code 12 / PZ	Location of well Relative to well/source	Cov Lot Number	
Distance from Waste/	u Upgradient s	Sidegradient	Cascade Drilling
Source ft Apply	d Downgradient n	Not Known	
A. Protective pipe, top elevation	ft_MSL	1. Cap and lock?	X Yes No
		2. Protective cover p	ipe:
B. Well casing too elevation	It MSL	a Inside diamete	r: 2 in.
ST from easing, top evention		h Length:	5 in
		b Longin.	Steel VO4
C Land surface elevation	R MSL	c Materiai.	
	3 A A		Other
D. Surface seal, bottom 0.00 ft. M	SL or ft.	d. Additional pro	tection?
12. USCS classification of soil near screen:		If yes, desreibe:	
GP GM GC GW SV	V X SP X	3. Surface seal:	Bentonite 30
	СН 🔲 📓		Concrete X 01
			Other
13. Sieve analysis performed?	N NO		
14. Drilling method used: Rotary	50	4. Material between	well casing and protective pipe:
Hollow stem auger	⁴¹		Bentonite 30
Rotasonic Other	X		Other
		5. Annular space sea	a Granular/Chipped Bentonite X 33
15. Drilling fluid used: Water 02 Air	01	bLbs	gal mud weightBentonite sand-slurry 35
Drilling Mud 03 None	X 99	c Lbs/	gal mud weight Bentonite slurry 31
		d %B	entonite Bentonite-cement grout 50
16 Drilling additives used	X No		T ³ volume added for any of the above
		f How	installed Tremie
			Tramic number 102
17. Source of water (attach analysis, if required):			
	📓	6 Bentonite seal	a. Bentonite granules 33
		b 1/4 in	3/8 in 1/2 in Bentonite chips 32
E. Bentonite seal, top ft_MS	SL orft. 🔪 📓	k	Other
		7. Fine sand material	: Manufacturer, product name & mesh size
F. Fine sand, top -18 ft. M.	SLor 18 ft 🔪 👹	a Red Flint sau	nd and gravel Other7
	13	b. Volume adde	d 1 bag ft ³
Gr Filter nack top -20 ft M	SLor 20 ft	8. Filter pack materia	l: Manufacturer, product name & mesh size
		a Red Flint sa	and gravel Other 10
11. Para un initat tom 20 B MI		H / h Volume adde	d 25 have ft ³
H, Screen joint, top -22 It. W.			
	15	9 wen casing:	Filish threaded PVC schedule 40
L Well bottom -27 ft M	SL or ft		Flush threaded PVC schedule 80
			Other
J. Filter pack, bottom ft, MS	SL or ft	10. Screen material:	Flush thread PVC Sch 40
		a. Screen type:	Factory cut X 11
K Borchole bottom -27 ft M	SLor 27 ft		Continuous slot 01
		**	Other
L. Borenoie diameter 7 in.		b Manufacturer:	JUNISON SCIECUS
		c. Slot size:	<u>0.010</u> in
M. O.D. well casing 2.375 in		d Slotted length	5.0 ft.
		I he Backfill material	(below filter pack): None X 01
N. I.D. well casing in			Other
I hereby certify that the information on this form is the	ue and correct to the best of my knowled	це.	
Signature	Firm		
A My Mu Low I P.	Geosyntec Const	ultants	

Phase complete both Forms 44/0-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299. Wis Stats (and the NR 141, Wis Adm Code. In accordance with chs. 281, 289, 291, 292, 293, and 299. Wis Stats, failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE. See the instructions for more information, including where the completed forms should be sent.

Department of Natural Resources		_	Form 4400-113A Rev.: 7-98
Route to:	Watershed/Wastewater	Waste Management	
	Remediation/Redevelopment X	Other	
Facility/Project Name	Local Grid Location of Well N	E.	Well Name
Tyco - GETS Installation	ft S.	ft W.	MW-EX-04
Facility License, Permit or Monitoring No.	Local Grid Origin (estimat	red:) or Well Location	Wis, Unique Well No. DNR Well ID No.
	Lat	Long	or
Facility ID	St. Plane ft. N.	ft_E_S / C /	N Date Well Installed
438005590	Section Location of Waste/Source	X E.	10/25/2021
Type of Well	NW 1/4 of SE 1/4 of Sec. 7	T. 30 N.R. 24	Well Installed By: Name (first, last) and Firm
Well Code 12 / PZ	Location of Well Relative to Well/Source	e Gov. Lot Number	Al Sizemore
Distance from Waste/ Enf. Stds.	u Upgradient s	Sidegradient	Cascade Drilling
Source ft Apply	d Downgradient n	Not Known	· · · · · · · · · · · · · · · · · · ·
A. Protective pipe, top elevation	ft. MSL	L Cap and lock?	X Yes No
		2. Protective cover	pipe:
B. Well casing, top elevation	ft. MSL	a Inside diamet	ter: 2 in
		b Length:	5 10
C. Land surface elevation	ft MSL	c Material	Steel X01
		X	Other
D. Surface seal bottom 0.00 ft M	SLor ft	d Additional pr	rotection?
12 LISCS classification of soil near screen:			
			Battanita 20
		S. Surface Sear.	Gaugate Vol
12 Sieve analysis performed?			Other
14. Drilling method used			1
14. Drining method tised: Kotary		4. Material between	well casing and protective pipe:
Batasania		8	Bentonite 30
Kotasonic Other			Other
		5. Annular space sea	al: a. Granular/Chipped Bentonite X 33
15, Drilling fluid used: Water 02 Air		b Lbs	s/gal mud weightBentonite sand-slurry 35
Drilling Mud 03 None	X 99	cLb:	s/gal mud weight Bentonite slurry 31
		d%1	Bentonite Bentonite-cement grout 50
16, Drilling additives used:	XNo	e	FT' volume added for any of the above
Describe	🔛 📓	£Ho	w installed: Tremie 01
		88	Tremie pumped 02
17. Source of water (attach analysis, if required):		8	Gravity X 08
	🗱	6. Bentonite seal:	a. Bentonite granules 33
		b 1/4 in [3/8 in 1/2 in Bentonite chips 32
E Bentonite seal, top 0 ft MS	3L orft, 🔪 👹	₿ / °	Other
		7. Fine sand materia	al: Manufacturer, product name & mesh size
F. Fine sand, top ft_ M	3L or 18 ft.	a Red Flint sa	Ind and gravel Other 7
		b. Volume add	$d 1.5 bags ft^3$
G. Filter pack, top ft. MS	SL or ft P	8. Filter pack mater	ial: Manufacturer, product name & mesh size
		a Red Flint sa	ind and gravel Other 10
H. Screen joint, top ft. MS	SL or 22 ft.	b. Volume add	ed 3.5 bags ft^3
	E	9. Well casing:	Flush threaded PVC schedule 40 X 23
I. Well bottom ft. MS	SL orft. 🔪		Flush threaded PVC schedule 80
			Other
J. Filter pack, bottom -27 ft. MS	SL or 27 ft.	10. Screen material:	Flush thread PVC Sch 40
		a Screen type:	Factory cut X 11
K. Borehole, bottom -27 ft. M	SLor 27 ft		Continuous slot
		**	Other
L Borehole diameter 7 in		h Manufacture	
			0.010
M O D well cosing 2 275		c. Stot size:	<u>0.010</u> m
M. O.D. wen casing 2.3/5 in		d. Slotted lengtl	n: <u>5.0</u> ft
		11. Backfill materia	I (below filter pack): None X 01
N.I.D. well casing <u>1.875</u> in			Other
I hereby certify that the information on this form is tr	ue and correct to the best of my knowledg	ge,	
Signature A	1 I'm		

MONITORING WELL CONSTRUCTION

Please consilete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats, and on NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats, failure to file these forms may result in a forfeiture of between 510 and 525,000, or improvement for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Department of Natural Resources			Form 4400-113A Rev. 7-98
Route to:	Watershed/Wastewater	Waste Management	
	Remediation/Redevelopment X	Other	
Facility/Project Name	Local Grid Location of Well	L IF-	Well Name
			MW/EX 05
Tyco - GETS Installation	п [5,	n 1w	
Facility License, Permit or Monitoring No.	Local Grid Origin (estimat	ed:) or Well Location	Wis, Unique Well No, DNR Well ID No,
	Lat	Long	or
Facility ID	St. Plane ft. N,	ft _a E _a S / C	/ N Date Well Installed
438005590	Section Location of Waste/Source	x	E. 10/23/2021
Type of Well	SW 1/4 of SE 1/4 of Sec. 7	T. 30 N, R. 24	W. Well Installed By: Name (first, last) and Firm
Well Code 12 / PZ	Location of Well Relative to Well/Source	e Gov. Lot Numbe	r Al Sizemore
Distance from Waste/		Sideuradient	Cascade Drilling
		Net Freue	<u>Cuscude Drining</u>
Source It Apply	d Downgradient h		
A Protective pipe, top elevation	ft_MSLft	T. Cap and lock?	X Yes No
		- Protective cov	er pipe
B. Well casing, top elevation	ft. MSL	a Inside dia	meter: <u>2</u> in,
		b. Length:	<u> </u>
C. Land surface elevation	ft. MSL	c Material:	Steel X 04
· · · · · · · · · · · · · · · · · · ·		X 2	Other
D. Surface and bottom 0.00 ft M	SLor ft	d Additiona	protection?
12 LISCE algorithmation of unit war second			ibe:
GP GM GC GW ST			Bentonite
	- LI ^{CH} LI 📓		Concrete X 01
Bedrock			Other
13, Sieve analysis performed? Yes	X No		
14. Drilling method used: Rotary	50	4. Material betw	een well casing and protective pipe:
Hollow stem auger	41		Bentonite 30
Rotasonic Other	x		Other
		5. Annular space	seal: a Granular/Chipped Bentonite X 33
15 Drilling fluid used: Water 02 Air		b.	Lbs/gal mud weight Bentonite sand-slurty 35
Drilling Mud			Lbs/gal mud weight Bentonite slurry
			Postanita Postanita competiumout
		· · · · · · · · · · · · · · · · · · ·	TT using added for your of the shour
16. Drilling additives used:	XNo	e.i	FT volume added for any of the above
Describe		E	How installed: Tremie 01
			Tremie pumped 02
17. Source of water (attach analysis, if required):		8	Gravity X 08
		6 Bentonite seal	a Bentonite granules 33
		b. 1/4 in.	3/8 in 1/2 in Bentonite chips 32
E. Bentonite seal, top -1 ft. M	SLor 1 ft. 🔪 👹	📓 / c	Other
······································		Fine sand mat	erial: Manufacturer, product name & mesh size
E Fine sand ton -41 ft-M	Sl. or 41 ft 🔪 🕅	a Red Flin	t sand and gravel Other 7
		b-Volume a	idded 1.5 bags ft ³
C Filter and the data fr 34		S Filter pack ma	torial: Manufacturer, product name & mesh size
		Dad Flin	t age d and aroust Other 10
H. Screen joint, top45 ft. MS	sL or 45 ft	- b. Volume a	idded <u>4 bags</u> II
		9 Well casing:	Flush threaded PVC schedule 40
1. Well bottomft. M3	SL or <u>50</u> ft 🔪 🛛	92	Flush threaded PVC schedule 80
			Other
J. Filter pack, bottom -54 ft. MS	SLor 54 ft 🔨 🌿	10. Screen mater	tial: Flush thread PVC Sch 40
		a. Screen typ	Factory cut X 11
K Borehole bottom -54 ft M	SLor 54 ft 💊		Continuous slot
		*	Other
i na la			
L. Borehole diameter 7In.		b. Manufacti	urer: Jonnson Screens
		c. Slot size:	<u>0.010</u> in
M O D well casing 2.375 in		d Slotted let	ngth: <u>5.0</u> ft.
		II. Backfill mate	erial (below filter pack): None 01
N. I.D. well casing 1.875 in		Sand	Other X
I hereby certify that the information on this form is tr	ue and correct to the best of my knowled	ge.	
Signature	Firm	Real D	
TALL TR	Geosyntec Consi	ultants	
Ing-or Ja	uar that		

Plote complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis Stats, and ch. NR 141, Wis Adm Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis Stats, failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or improvement for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose NOTE See the instructions for more information, including where the completed forms should be sent

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater	Waste Management
Remediation/Redevelopment	Other
Facility/Project Name The GETS Installation County Name Facility License, Permit or Monitoring Number County Code	ette MWell Name MW-EX-2 Wis. Unique Well Number DNR Well ID Number
438005590 38	
1. Can this well be purged dry? I Yes No 2. Well development method \mathcal{PMP} surged with bailer and bailed 4 1 surged with bailer and pumped 6 1 surged with block and bailed 4 2 surged with block and pumped 6 2 surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0 pumped slowly 5 1 Other 70	11. Depth to Water (from top of well casing) Date b. $\frac{1}{d} \frac{c}{d} \frac{0}{d} \frac{7}{y} \frac{2}{y} \frac{0}{y} \frac{1}{y} \frac{1}{y} \frac{0}{y} \frac{1}{y} \frac{1}{y} \frac{0}{y} \frac{1}{y} \frac{1}{y} \frac{0}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} 1$
3. Time spent developing well	13. water clarity Clear [] 10 Clear 20 Turbid 24-15 Turbid [] 25 (Describe) (Describe)
4. Depth of well (from top of well casisng) ft.	Slightly Clean
 5. Inside diameter of well in. 6. Volume of water in filter pack and well 	cleared m ~ / Minute
casing -125 gal. 7. Volume of water removed from well 125 gal.	Fill in if drilling fluids were used and well is at solid waste facility:
8. Volume of water added (if any) N_{ONE} gal.	14. Total suspended mg/l mg/l mg/l
9. Source of water added	15. CODmg/lmg/l
10. Analysis performed on water added? Yes Z No (If yes, attach results) N/A	16. Well developed by: Name (first, last) and Firm First Name: A(Last Name: Sizemore Firm: Cascade Drilling
17. Additional comments on development:	240 Sals

Name and Address of Facility Contact /Owner/Responsible Party First Name: <u>Scott</u> Name: <u>Wahl</u>	I hereby certify that the above information is true and correct to the best of my knowledge.
Facility/Firm: Tyco Fire Products, LP	Signature: Min for J. Far, unitre
Street: 2700 Industrial Pkwy South	Print Name: Dett (vil eg
City/State/Zip: Marine the WI 54143	Firm: <u>Gewyn te Coused-teal</u>

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater	Waste Management
Remediation/Redevelopment	11 Other
Facility/Project Name County N	Vame Well Name
Tyco GETS Installation Mar	inette MW-EX-3
Facility License, Permit or Monitoring Number County C	Code Wis. Unique Well Number DNR Well ID Number
438005590 38	<u> </u>
1. Can this well be purged dry?	No Before Development After Development
2. Well development method	$(\text{from top of } a. \underline{5}, \underline{5}, \underline{6}, \underline{6}, \underline{7}, $
surged with bailer and bailed 🛛 4 1	well casing)
surged with bailer and pumped 🛛 G 1	
surged with block and bailed 📋 42	Date $b_1 / 0_1 26_1 2021 / 0_1 26_1 2021$
surged with block and pumped \Box 62	mmdd yyyy mmdd yyyy
surged with block, bailed and pumped 📋 70	1 1 1 m ₽ a.m. 1 0 //- □ a.m.
compressed air 🛛 20	Time $c. \underline{l}: \underline{l}: \underline{l} = p.m.$ $\underline{l} = \underline{l}: \underline{l} = \underline{l}: \underline{l}: \underline{l}: \underline{l} = \underline{l}: $
bailed only 🔲 10	
pumped only 📓 51	12. Sediment in well inches inches
pumped slowly	bottom
Other Surge with pomp	13. Water clarity Clear 📋 1 0 Clear 💼 2 0 Turbid 🗮 1 5 Turbid 🗔 2 5
3. Time spent developing well	(Describe) (Describe)
4. Depth of well (from top of well casisng)ft.	Turbidity Barbar
5. Inside diameter of well $-\frac{2}{-}$ in.	quickly
6. Volume of water in filter pack and well casing gal.	Fill in if drilling fluids were used and well is at solid waste facility.
7. Volume of water removed from well $425.$ gal.	The first of the second of the second work is a solid was believed.
8. Volume of water added (if any) gal.	14. Total suspended mg/l mg/l mg/l mg/l
9. Source of water added	mg/lmg/l
	- 16. Well developed by: Name (first, last) and Firm
10. Analysis performed on water added?	No First Name: Al Last Name: Sizemoire
	Firm: Cascade Drilling
17. Additional comments on development:	

Name and Address of Facility Contact /Owner/Responsible Party First Name: Scott Last Name: Wahl	I hereby certify that the above information is true and correct to the best of my knowledge.
Facility/Firm: Tyco Fire Products, LP	Signature: All My Contin Buen mentine
Street: 2700 Industrial Pkuy South	Print Name: Set (Face)
City/State/Zip: Marinette, WE 54143	Firm: <u>Acosphec Cousil tuits</u>

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater	Waste Management 🛄
Remediation/Redevelopment	Other
Facility/Project Name Tyco GETS Enstallation Mari	ne Well Name ne He MW-EX-4
438 005 590 County Cod 3_B	e Wis. Unique Well Number DNR Well ID Number
1. Can this well be purged dry?	11. Depth to Water
 2. Well development method surged with bailer and bailed 4 1 surged with bailer and pumped 6 1 surged with block and bailed 4 2 surged with block and numped 6 2 	(from top of well casing) Date b. $\frac{10}{26}$, $\frac{26}{2021}$, $\frac{10}{26}$, $\frac{2021}{2021}$
surged with block, bailed and pumped [] 70 compressed air [] 20 bailed only [] 10 pumped only [] 51 pumped slowly [] 50 Other Surge with pump []	Time $c \ O \ \overline{\delta} : \underline{\delta} O \ \overline{\delta} = a.m.$ 12. Sediment in well $\underline{O} : \underline{\delta} O \ \overline{\delta} = a.m.$ 13. Water clarity Clear $\underline{O} = 10$ Clear $\underline{O} = 20$
3. Time spent developing well min.	Turbid D 1 5 Turbid D 2 5 (Describe) (Describe)
4. Depth of well (from top of well casisng) 27.1 ft.	Clears Brown tint
 6. Volume of water in filter pack and well casing gal. 	
7. Volume of water removed from well 25 gal.	Fill in if drilling fluids were used and well is at solid waste facility:
8. Volume of water added (if any) gal.	14. Total suspended,mg/lmg/lmg/l
9. Source of water added	15. COD mg/l mg/l
10. Analysis performed on water added? Yes No (If yes, attach results)	16. Well developed by: Name (first, last) and Firm First Name: Al Last Name: Sizemore Firm: Cascada Doilling
17. Additional comments on development:	printing

Name and Address of Facility Contact /Owner/Responsible Party First Name: Wahl	I hereby certify that the above information is true and correct to the best of my knowledge.
Facility/Firm: Tyco Fire Products, LP	Signature: My Pay ten Sin Bunon tre
Street: 2700 Industrial Pikuy South	Print Name: Star (racy
City/State/Zip: Marinette, WI 54143	Firm: <u>Geospher Consultudes</u>

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater	Waste Management
Remediation/Redevelopment	Other
Facility/Project Name County Name	Well Name
Tuco-GETS Installation	MW-EX-5
Fachty License, Permit or Monitoring Number County Code	Wis. Unique Well Number DNR Well ID Number
438 005 590 38	
 Can this well be purged dry? Yes No Well development method surged with bailer and bailed 4 1 	11. Depth to Water (from top of well casing) $\frac{Before Development After Development}{a _ 3 . 5 ft 4 . 1 ft.}$
surged with bailer and pumped 🔲 😳 6 1	
surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other Surge with pump Surge Surge	Date $ \begin{array}{ccccccccccccccccccccccccccccccccccc$
3. Time spent developing well	Turbid 1 5 Turbid 2 5 (Describe) (Describe)
4. Depth of well (from top of well casisng)0 ft.	
5. Inside diameter of well 1.875 in.	
6. Volume of water in filter pack and well gal.	Fill in if drilling fluids were used and well is at solid waste facility:
7. Volume of water removed from wellgal.	
8. Volume of water added (if any) gal.	14. Total suspended, mg/l, mg/l, mg/l
9. Source of water added	15. COD mg/l mg/l
10. Analysis performed on water added?	16. Well developed by: Name (first, last) and Firm First Name: Al Last Name: Sizemore Firm: Cascade Drilling
17. Additional comments on development:	0

Name and Address of Facility Contact /Owner/Responsible Party First Name: Wahl	I hereby certify that the above information is true and correct to the best of my knowledge.
Facility/Firm: Tyco Fire Products, LP	Signature: Amonton Fin Panmantine
Street: 2700 Industrial PKwy South	Print Name: Off Vucy
City/State/Zip: Marinette WI 54143	Firm: <u>Gessyntec</u> Consultants