

Alyssa Sellwood
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

Arcadis U.S., Inc.
126 North Jefferson Street
Suite 400
Milwaukee
Wisconsin 53202
Phone: 414 276 7742
Fax: 414 276 7603
www.arcadis.com

Date: May 31, 2024

Our Ref: 30168807

Subject: Deep Aquifer Bedrock Well Design and Long-Term Monitoring
Update – Quarterly Deep Private Well Update (March - May 2024)
Tyco Fire Technology Center, Marinette, WI
BRRTS# 02-38-580694

Dear Ms. Sellwood,

On behalf of Tyco Fire Products LP (Tyco), Arcadis U.S., Inc. (Arcadis) prepared this Quarterly Deep Private Well Update in response to the Wisconsin Department of Natural Resources (WDNR) letter dated November 17, 2023. The November 2023 WDNR letter commented on the submittal of a quarterly deep private well update starting in February 2024 and lasting through the final deep well installations.

To fulfill the WDNR request, Arcadis is providing the current deep private well installation status update regarding the Potable Well Sampling Area (PWSA). This includes the information requested within the November 2023 WDNR letters.

Tyco continues to investigate per- and poly-fluoroalkyl substances (PFAS) potentially related to the Tyco Fire Technology Center located at 2700 Industrial Parkway South in Marinette, Wisconsin (the Site; **Figure 1**).

Continued Efforts For Deep Replacement Potable Wells

Tyco continues to install private deep bedrock wells as a drinking water solution for neighbors that request to participate in the program. By the end of May 2024, Tyco successfully completed private replacements for 37 wells (**Table X.4**) and has agreements to install 80 additional wells. Table X.4 also includes status of sampling of the new deep replacement potable wells. Copies of the letter notifications provided to residents with their results are sent separately to the WDNR via email. All data provided to date continue to support deep wells as a permanent drinking water solution for the PWSA.

The next deep private residential quarterly update will be submitted in third quarter of 2024.

Deep Aquifer Bedrock Well Design – Quarterly Deep Private Well Update
May 31, 2024

Sincerely,
Arcadis U.S., Inc.

A handwritten signature in blue ink, appearing to read "Matt Coleman", with a long, sweeping underline.

Matt Coleman
Project Communications Manager

CC. Denice Nelson, JCI
Scott Wahl, JCI

Enclosures:
Table X.4 - LTDW Deep Well Installation Progress Update
Figure 1

Table X.4
Quarterly Deep Private Well Update
Tyco Fire Products LP
Marinette, Wisconsin



WI Unique Well ID	Parcel Number	House Number	Street Name	Previous Well ID	Replacement Well ID	Well Depth (ft bgs)	Retrofit Liner	Well Replacement Date	Sampling Date #1	Sampling Date #2	Sampling Date #3	Sampling Date #4	Sampling Date #5 - Final
AAW650	024-02229.000	N2881	Shore Drive	WS-072	WS-072R	562	N	12/6/2022	12/12/2022	12/12/2023; 1/20/2023	3/21/2023	10/31/2023	12/26/2023
AAW649	024-02253.001	N2713	Shore Drive	WS-132	WS-132R	542	N	12/5/2022	12/12/2022	1/26/2023; 1/27/2023	6/20/2023	--	3/14/2024
AAV479	024-01345.001	W964	County Road B	WS-037	WS-037R	520	N	1/15/2023	1/16/2023	1/31/2023	5/24/2023	--	5/3/2024
AAV483	024-01855.000	W889	County Road B	WS-133	WS-133R	510	N	2/1/2023	2/2/2023	2/7/2023	6/20/2023	--	3/11/2024; 4/29/2024
AAT584	024-01856.007	N2816	Stanley Lane	WS-120	WS-120R	480	N	2/15/2023	2/16/2023	2/21/2023	6/21/2023	--	3/15/2024
AAV497	024-01812.007	W716	County Road B	WS-054	WS-054R	600	N	3/22/2023	3/23/2023	6/22/2023; 8/24/2023	2/13/2024	5/1/2024	--
AAV516	024-01344.001	W959	County Road B	WS-034	WS-034R	540	N	5/19/2023	5/22/2023	5/30/2023	10/31/2023	2/12/2024	5/1/2024
AAV515	024-01849.001	W905	County Road B	WS-053	WS-053R	520	N	5/18/2023	5/19/2023	6/2/2023	--	3/7/2024	--
AAZ789	024-01851.000	W896	County Road B	WS-126	WS-126R	480	Y ¹	6/16/2023	9/6/2023	10/31/2023	4/10/2024	--	--
ABO263	024-01852.000	W877	Madsen Road	WS-122	WS-122R	520	N	9/5/2023	9/7/2023	10/3/2023	3/18/2024	--	--
ABO302	024-02196.000	W461	University Drive	WS-062	WS-062R	540	N	9/7/2023	9/12/2023	10/11/2023	3/18/2024	--	--
AAZ791	024-01354.001	W924	Rader Road	WS-112	WS-112R	484	N	8/28/2023	9/26/2023	9/28/2023	2/13/2024	5/1/2024	--
AAZ785	024-01856.012	N2778	Stanley Lane	WS-142	WS-142R	522	N	6/26/2023	9/27/2023	10/20/2023	2/15/2024	--	--
ABO946	024-02230.001	N2861	Shore Drive	WS-090	WS-090R	542	N	9/21/2023	10/5/2023	10/10/2023	2/12/2024	--	--
ABO948	024-02231.000	N2849	Shore Drive	WS-068	WS-068R	542	N	9/25/2023	10/5/2023	10/18/2023	2/15/2024	--	--
ABO938	024-01834.000	N2969	Shore Drive	WS-019	WS-019R	542	N	9/27/2023	10/6/2023	10/13/2023	2/13/2024	--	--
ABP340	024-01864.004	Undeveloped	Green Gable Road/ Rader Road	--	WS-168R	520	N	10/10/2023	10/10/2023	12/20/2023	2/16/2024	--	--
ABP385	024-01864.005	N2740	Green Gable Road	WS-165	WS-165R	500	N	10/10/2023	10/12/2023	11/8/2023	3/6/2024	--	--
ABP499	024-01864.003	W688	Rader Road	WS-083	WS-083R	500	N	10/16/2023	10/17/2023	12/28/2023	2/16/2024	--	--
ABP486	024-01864.002	N2718	Green Gable Road	WS-166	WS-166R	500	N	10/13/2023	10/17/2023	12/20/2023	2/16/2024	--	--
ABO264	024-01347.000	W907	Madsen Road	WS-167	WS-167R	522	N	9/5/2023	9/8/2023	12/13/2023	2/27/2024	--	--
AAE171	024-01865.001	W691	Rader Road	WS-141	WS-141R	545	N	9/29/2023	4/1/2024	12/11/2023	4/1/2024	--	--
AAZ790	024-01830.000	N2936	Green Gable Road	WS-052	WS-052R	500	N	10/30/2023	12/7/2023	12/13/2023	4/2/2024	--	--
ABR795	024-02233.000	W536	Weigers Road	WS-097	WS-097R	582	N	1/9/2024	1/23/2024	1/26/2024	5/9/2024	--	--
ABR781	024-02240.000	N2825	Shore Drive	WS-099	WS-099R	602	N	1/8/2024	1/25/2024	--	5/9/2024	--	--
ABR796	024-02236.000	W546	Weigers Road	WS-100	WS-100R	582	N	1/2/2024	1/25/2024	1/25/2024	5/1/2024	--	--
ABS159	024-01345.002	W966	County Road B	WS-158	WS-158R	500	N	2/7/2024	2/8/2024	--	--	--	--
ABT026	024-01812.005	W732	County Road B	WS-008	WS-008R	520	N	3/20/2024	3/25/2024	4/4/2024	--	--	--
ABT044	024-01812.002_B	W752	County Road B	WS-007B	WS-007BR	540	N	3/22/2024	3/26/2024	--	--	--	--
ABT135	024-01811.000	W725	County Road B	WS-006	WS-006R	520	N	4/1/2024	4/11/2024	5/14/2024	--	--	--
ABT154	024-01815.002	W761	County Road B	WS-146AR	WS-146ARD	500	N	4/2/2024	4/11/2024	5/3/2024	--	--	--
ABT639	024-01346.000	W939	Madsen Road	WS-160	WS-160R	540	N	5/1/2024	5/2/2024	5/17/2024	--	--	--
ABT638	024-01819.000	W866	County Road B	WS-005	WS-005R	515	N	5/4/2024	5/7/2024	5/15/2024	--	--	--
ABT349	024-01848.000	N2819	Green Gable Road	WS-011	WS-011R	540	N	5/12/2024	--	--	--	--	--
AAZ787	024-01856.026	N2731	Stanley Lane	WS-066	WS-066R	564	N	5/22/2024	--	--	--	--	--
ABU677	024-02238.001	W559	Weigers Road	WS-117	WS-117R	510	N	5/28/2024	--	--	--	--	--
ABU678	024-02226.000	N2830	Shore Drive	WS-147	WS-147R	542	N	5/29/2024	--	--	--	--	--

Notes:

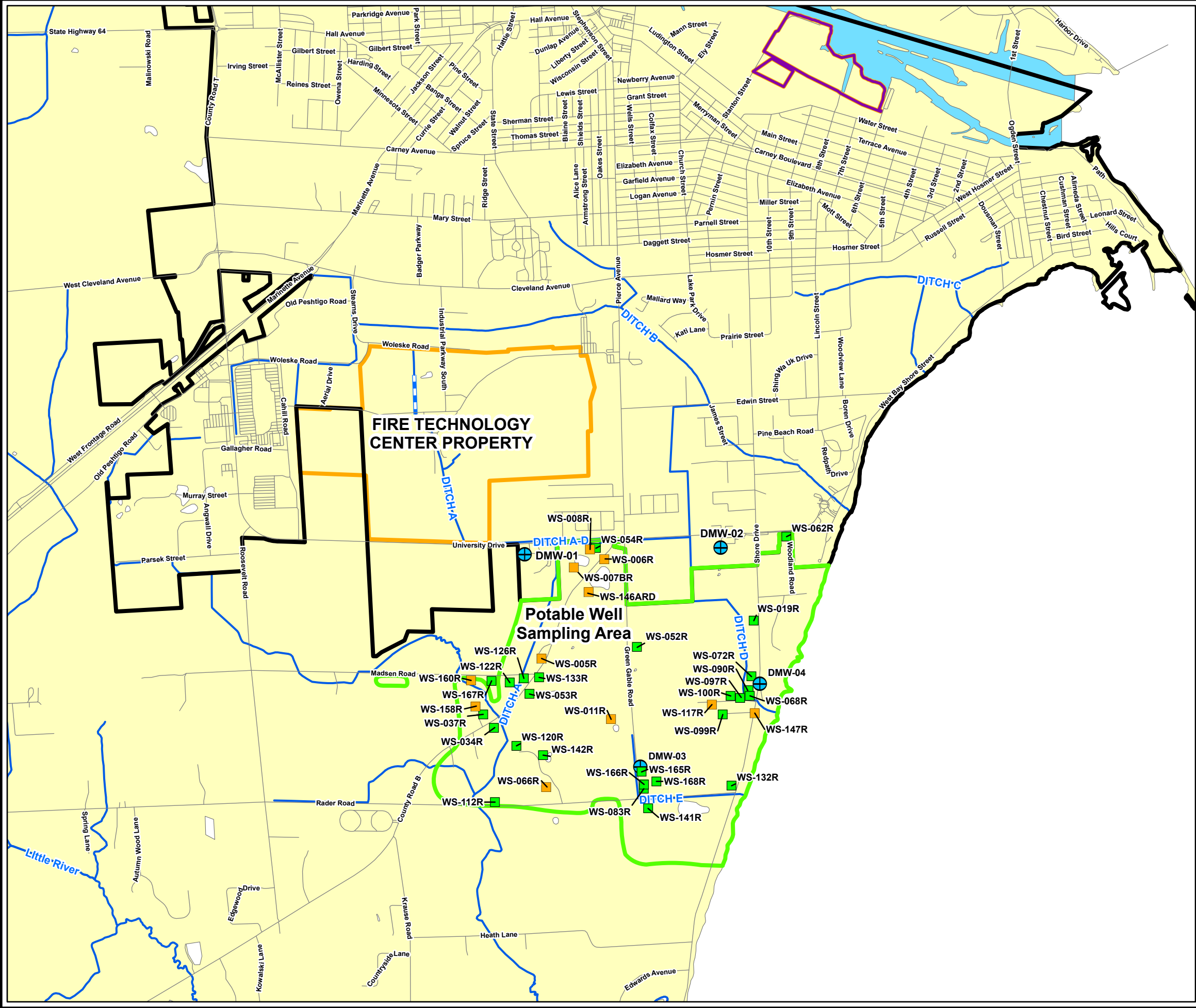
1 = retrofit liner consists of a 4-inch steel liner that has been grouted in place to a depth of approximately 300 feet below ground surface within the existing deep well (Arcadis 2023. Deep Aquifer Bedrock Well Design and Long-Term Monitoring – Interim Response Status Update. August).

Orange indicates new data point (well replacement or sample) since the previous quarterly report submittal.

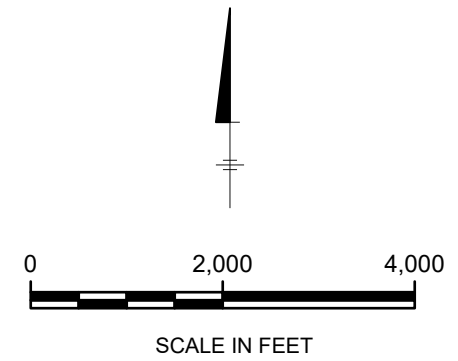
Acronyms and Abbreviations:

- = not applicable
- ft bgs = feet below ground surface
- ID = identification
- N = no
- Y = yes

TY_ENVTYCO_PRO_REPORT_FIGURES/FTCD/Deep_Monitoring_Well.aprx 4/24/2024 4:31 AM



- LEGEND:**
- DEEP REPLACEMENT POTABLE WELL 2Q2024
 - DEEP REPLACEMENT POTABLE WELL
 - ⊕ DEEP MONITORING WELL LOCATION
 - POTABLE WELL SAMPLING AREA
 - STANTON STREET FACILITY BOUNDARY
 - APPROXIMATE SITE PROPERTY BOUNDARY
 - APPROXIMATE MARINETTE CITY BOUNDARY
 - WATERBODY
 - DITCH OR STREAM
 - ROAD



TYCO FIRE PRODUCTS LP
MARINETTE, WISCONSIN

DEEP POTABLE WELL LOCATIONS

ARCADIS | **FIGURE 1**