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Date: March 1, 2024
Our Ref: 30168807
Subject: Deep Aquifer Bedrock Well Design –
Quarterly Deep Private Well Update
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. This 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 letter.

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

These attachments support deep wells as a permanent drinking water solution in the PWSA. Tyco continues to install private deep bedrock wells as a drinking water solution for neighbors that request to participate in the program. At the time of this Memo, Tyco has successfully completed private replacements for 28 wells (**Table X.4**) and has agreements to install 84 additional wells.

Tyco also installed 4 deep bedrock sentinel wells to monitor water quality in the aquifer. A report on the construction and sampling of those wells will be provided under separate cover.

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

Sincerely,
Arcadis U.S., Inc.

Deep Aquifer Bedrock Well Design – Quarterly Deep Private Well Update
March 1, 2024



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
LTDW Deep Well Installation Progress Update
Tyco Fire Products LP
Marinette, Wisconsin

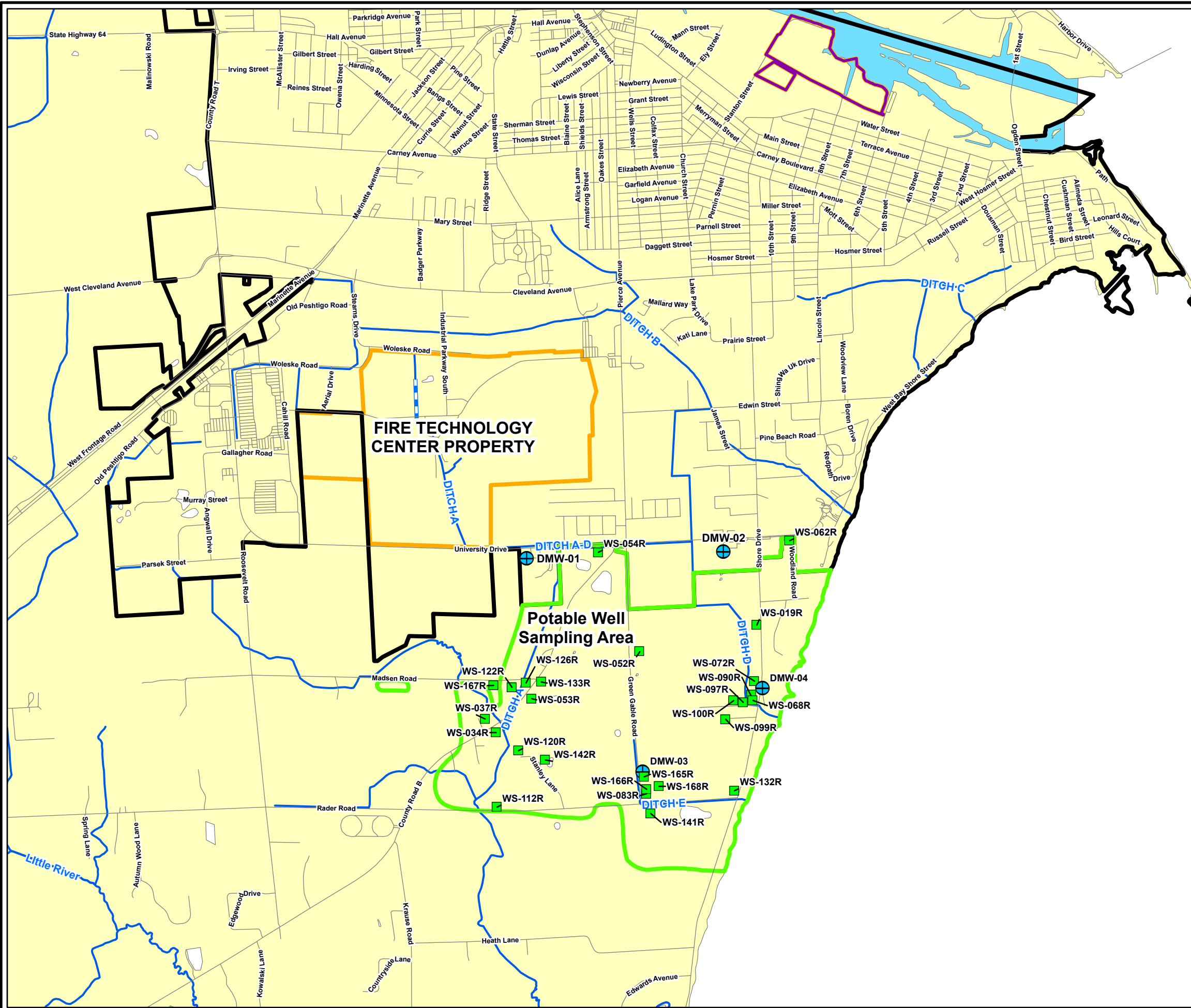


WI Unique Well ID	Parcel Number	House Number	Street Name	Previous Well ID	Replacement Well ID	Well Depth (ft bgs)	Retrofit Liner ¹	Well Replacement Date	Sampling Date #1	Sampling Date #2	Sampling Date #3
AAW650	024-02229.000	N2881	Shore Drive	WS-072	WS-072R	562	N	12/6/2022	12/12/2022	1/20/2023	3/21/2023
AAW649	024-02253.001	N2713	Shore Drive	WS-132	WS-132R	542	N	12/5/2022	12/12/2022	1/27/2023	6/20/2023
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
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
AA7584	024-01856.007	N2816	Stanley Lane	WS-120	WS-120R	480	N	2/15/2023	2/16/2023	2/21/2023	6/21/2023
AAV497	024-01812.007	W716	County Road B	WS-054	WS-054R	600	N	3/22/2023	3/23/2023	5/16/2023	6/22/2023
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
AAV515	024-01849.001	W905	County Road B	WS-053	WS-053R	520	N	5/18/2023	5/19/2023	6/2/2023	--
AAZ789	024-01851.000	W896	County Road B	WS-126	WS-126R	480	Y	6/16/2023	6/20/2023	9/6/2023	10/31/2023
ABO263	024-01852.000	W877	Madsen Road	WS-122	WS-122R	520	N	9/5/2023	9/7/2023	10/3/2023	--
ABO302	024-02196.000	W461	University Drive	WS-062	WS-062R	540	N	9/7/2023	9/12/2023	10/11/2023	--
AAZ791	024-01354.001	W924	Rader Road	WS-112	WS-112R	484	N	8/28/2023	9/26/2023	9/28/2023	--
AAZ785	024-01856.012	N2778	Stanley Lane	WS-142	WS-142R	522	N	6/26/2023	9/27/2023	10/20/2023	--
ABO946	024-02230.001	N2861	Shore Drive	WS-090	WS-090R	542	N	9/21/2023	10/5/2023	10/10/2023	--
ABO948	024-02231.000	N2849	Shore Drive	WS-068	WS-068R	542	N	9/25/2023	10/5/2023	10/18/2023	--
ABO938	024-01834.000	N2969	Shore Drive	WS-019	WS-019R	542	N	9/27/2023	10/6/2023	10/13/2023	--
ABP340	024-01864.004	Undeveloped	Green Gable Road/Rader Road	--	WS-168R	520	N	10/10/2023	10/10/2023	12/20/2023	--
ABP385	024-01864.005	N2740	Green Gable Road	WS-165	WS-165R	500	N	10/10/2023	10/12/2023	11/8/2023	--
ABP499	024-01864.003	W688	Rader Road	WS-083	WS-083R	500	N	10/16/2023	10/17/2023	12/28/2023	--
ABP486	024-01864.002	N2718	Green Gable Road	WS-166	WS-166R	500	N	10/13/2023	10/17/2023	12/20/2023	--
ABO264	024-01347.000	W907	Madsen Road	WS-167	WS-167R	522	N	9/5/2023	9/8/2023	12/13/2023	--
AAE171	024-01865.001	W691	Rader Road	WS-141	WS-141R	545	N	9/29/2023	12/11/2023	--	--
AAZ790	024-01830.000	N2936	Green Gable Road	WS-052	WS-052R	500	N	10/30/2023	12/7/2023	12/13/2023	--
ABR795	024-02233.000	W536	Weigers Road	WS-097	WS-097R	582	N	1/9/2024	1/23/2024	1/26/2024	--
ABR781	024-02240.000	N2825	Shore Drive	WS-099	WS-099R	602	N	1/8/2024	1/25/2024	--	--
ABR796	024-02236.000	W546	Weigers Road	WS-100	WS-100R	582	N	1/2/2024	1/25/2024	--	--
--	024-01345.002	W966	County Road B	WS-0158	WS-0158R	500	N	2/7/2024	2/8/2024	--	--

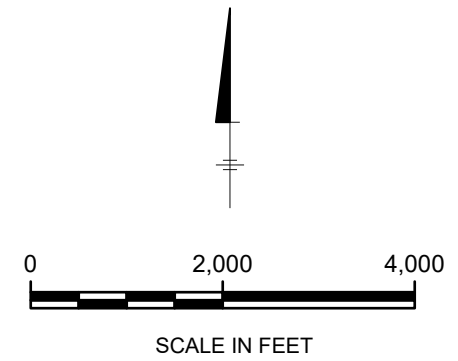
Acronyms and Abbreviations:

1 = retrofit line 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).
 -- = not applicable
 ID = identification
 ft bgs = feet below ground surface

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- LEGEND:**
- POTABLE WELL LOCATION
 - ⊕ 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**