State of Wisconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Notice: Use this form to request a written response (on agency letterhead) from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

Definitions

- "Property" refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.
- "Liability Clarification" refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.
- "Technical Assistance" refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.
- "Post-closure modification" refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

Select the Correct Form

This from should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

Do not use this form if one of the following applies:

- Request for an off-site liability exemption or clarification for Property that has been or is perceived to be contaminated by one
 or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site
 Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the Lender Liability Exemption, s 292.21, Wis. Stats., if no response or review by DNR is requested. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an exemption to develop on a historic fill site or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- Request for closure for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure GIS Registry Form 4400-202.

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

Instructions

- 1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
- 2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
- 3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program **and** the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
- 4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located.

See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf"

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

Page 1 of 5

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Page 2 of 5

Section 1. Contact and Re	eciplent Information					
Requester Information						
This is the person requesting specialized agreement and is	technical assistance or a post- identified as the requester in S	-closure Section	e modification revie 7. DNR will addres	w, that his or her liability best its response letter to thi	e clarifi s perso	ied or a n.
Last Name	First	MI	Organization/ Bus	siness Name		
Wahl	Scott		Tyco Fire Produ	icts LP		
Mailing Address		ı	City State ZIP Code			ZIP Code
2700 Industrial Parkway S	outh		Marinette		WI	54143
Phone # (include area code)	Fax # (include area code))	Email			•
The requester listed above: (s	select all that apply)					
x Is currently the owner			s considering	selling the Property		
Is renting or leasing the	Property		Is considering a	acquiring the Property		
Is a lender with a mortg	gagee interest in the Property					
Other. Explain the statu	us of the Property with respect	to the a	applicant:			
					-1.16	
Contact Information (to be Contact Last Name	be contacted with questions First	about	this request) Organization/ Bus	_	ct if sar	ne as requester
	Ben	1711	Arcadis	Sine 33 Name		
Verburg Mailing Address	Dell		City		State	ZIP Code
126 N Jefferson Street, Su	ita 100		Milwaukee		WI	53202
Phone # (include area code)	Fax # (include area code))	Email			33202
(414) 276-7742	(morado aroa obdo)	,	Ben. Verburg@a	arcadis com		
Environmental Consult	ant (if applicable)		Den. Verburg@8	areadis.com		
Contact Last Name	First	MI	Organization/ Bus	siness Name		
Verburg	Ben		Arcadis			
Mailing Address		-	City		State	ZIP Code
126 N Jefferson Street, Su	ite 400		Milwaukee		WI	53202
Phone # (include area code)	Fax # (include area code))	Email		-	
(414) 276-7742			Ben.Verburg@a	arcadis.com		
Section 2. Property Inform	ation					
Property Name				FID No. (if know	n)
Tyco Fire Technology Cer	nter - PFCs			4380055	590	
BRRTS No. (if known)			Parcel Identification	on Number		
0238580694						
Street Address			City		State	ZIP Code
2700 Industrial Parkway S	outh		Marinette		WI	54143
County Municipality where the Property is local			ated	Property is composed of:		perty Size Acres
Marinette	City Town Village of	of Mar	inette	Single tax Multiple	tax 380)

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Page 3 of 5

1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. It plan accordingly.	Please
○ No ○ Yes	
Date requested by:	
Reason:	
2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?	
No. Include the fee that is required for your request in Section 3, 4 or 5. Yes. Do not include a separate fee. This request will be billed separately through the VPLE Program.	
Fill out the information in Section 3, 4 or 5 which corresponds with the type of request: Section 3. Technical Assistance or Post-Closure Modifications; Section 4. Liability Clarification; or Section 5. Specialized Agreement.	
Section 3. Request for Technical Assistance or Post-Closure Modification	
Select the type of technical assistance requested: [Numbers in brackets are for WI DNR Use]	
 No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - Include a fee of \$350. Use for a written to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spil Review of Site Investigation Work Plan - NR 716.09, [135] - Include a fee of \$700. 	response Il event.
Review of Site Investigation Report - NR 716.15, [137] - Include a fee of \$1050.	
Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - Include a fee of \$1050.	
Review of a Remedial Action Options Report - NR 722.13, [143] - Include a fee of \$1050.	
Review of a Remedial Action Design Report - NR 724.09, [148] - Include a fee of \$1050.	
Review of a Remedial Action Documentation Report - NR 724.15, [152] - Include a fee of \$350	
Review of a Long-term Monitoring Plan - NR 724.17, [25] - Include a fee of \$425. Review of an Operation and Maintenance Plan - NR 724.13, [192] - Include a fee of \$425.	
Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226	6)
Schedule a Technical Assistance Meeting - Include a fee of \$700.	
Hazardous Waste Determination - Include a fee of \$700.	
x Other Technical Assistance - Include a fee of \$700. Explain your request in an attachment.	
Post-Closure Modifications - NR 727, [181]	
Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Prosites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. Include a \$1050, and:	operty; fee of
☐ Include a fee of \$300 for sites with residual soil contamination; and	
Include a fee of \$350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion obligations.	continuing
Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents are submitted later in the approval process, on a case-by-case basis).	
Skip Sections 4 and 5 if the technical assistance you are requesting is listed above and complete Sections 6 and	7 of this fo
Section 6. Other Information Submitted	
Identify all materials that are included with this request.	a farm
Send both a paper copy of the signed form and all reports and supporting materials, and an electronic copy of th and all reports, including Environmental Site Assessment Reports, and supporting materials on a compact disk.	ie form
Include one copy of any document from any state agency files that you want the Department to review as part of request. The person submitting this request is responsible for contacting other state agencies to obtain appropri reports or information.	
Phase I Environmental Site Assessment Report - Date:	
Phase II Environmental Site Assessment Report - Date:	

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request Form 4400-237 (R 12/18)

Legal Description of Property (required for all liability requests and spe	ecialized agreements)				
Map of the Property (required for all liability requests and specialized	agreements)				
Analytical results of the following sampled media: Select all that apply	and include date of collection.				
Groundwater Soil Sediment Other med	ium - Describe:				
Date of Collection:					
A copy of the closure letter and submittal materials					
☐ Draft tax cancellation agreement					
Draft agreement for assignment of tax foreclosure judgment					
Tother report(s) or information - Describe: Comprehensive Alternation	ve Water Management Plan				
For Property with newly identified discharges of hazardous substances only: been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?	Has a notification of a discharge of a hazardous substance				
Yes - Date (if known):					
○ No					
Note: The Notification for Hazardous Substance Discharge (non-emergency dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf.	y) form is available at:				
Section 7. Certification by the Person who completed this form					
I am the person submitting this request (requester)					
x I prepared this request for: Scott Wahl					
Requester Name	_				
I certify that I am familiar with the information submitted on this request, and true, accurate and complete to the best of my knowledge. I also certify I have this request.	And the second s				
Just Ruthushi	3/19/2020				
Signature /	Date Signed '				
Project Environmental Specialist	(414) 276-7742				
Title	Telephone Number (include area code)				

Form 4400-237 (R 12/18)

Page 5 of 5

Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a DNR regional brownfields specialist with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf.

DNR NORTHERN REGION

Attn: RR Program Assistant Department of Natural Resources 223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION

Attn: RR Program Assistant Department of Natural Resources 2984 Shawano Avenue Green Bay WI 54313

DNR SOUTH CENTRAL REGION

Attn: RR Program Assistant Department of Natural Resources 3911 Fish Hatchery Road Fitchburg WI 53711

DNR SOUTHEAST REGION

Attn: RR Program Assistant Department of Natural Resources 2300 North Martin Luther King Drive Milwaukee WI 53212

DNR WEST CENTRAL REGION

Attn: RR Program Assistant Department of Natural Resources 1300 Clairemont Ave. Fau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

DNR Use Only					
Date Received	Date Assigned		BRRTS Activity Code	BRRTS No. (if used)	
DNR Reviewer		Comme	ents		
Fee Enclosed?	Fee Amount		Date Additional Information Requested	Date Requested for DNR Response Letter	
◯ Yes ◯ No	\$				
Date Approved	Final Determination				



Tyco Fire Products LP

COMPREHENSIVE ALTERNATIVE WATER MANAGEMENT PLAN

Tyco Fire Technology Center 2700 Industrial Parkway Marinette, Wisconsin 54143 BRRTS# 02-38-580694, 02-38-581955

March 2020

m Rutkowski

Lisa M. Rutkowski

Project Environmental Specialist

Benjamin J. Verburg, PE Principal Engineer

Michael F. Bedard

Project Lead/Associate Vice President

COMPREHENSIVE ALTERNATIVE WATER MANAGEMENT PLAN

Tyco Fire Technology Center 2700 Industrial Parkway Marinette, Wisconsin 54143 BRRTS# 02-38-580694, 02-38-581955

Prepared for:

Tyco Fire Products LP 2700 Industrial Parkway South Marinette, Wisconsin 54143

Prepared by:

Arcadis U.S., Inc.

126 North Jefferson Street

Suite 400

Milwaukee

Wisconsin 53202

Tel 414 276 7742

Fax 414 276 7603

Our Ref:

30015290.00001, 30015292.00001

Date:

March 19, 2020

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CONTENTS

A	CRO	NYMS AND ABBREVIATIONS	ii
1	IN	ITRODUCTION	1
2	BA	ACKGROUND	1
	2.1	Site Description and History	1
	2.2	Recent Alternative Water Management Processes	1
	2.3	Sampling Area	2
3	IN	ITERIM COMPREHENSIVE ALTERNATIVE MANAGEMENT SOLUTION	2
	3.1	Bottled Water	2
	3.2	Point of Entry Treatment Systems	2
	3.3	Connect to Existing Infrastructure	2
4	PF	ROPOSED FINAL ALTERNATIVE WATER MANAGEMENT SOLUTION	3
	4.1	Remedial Action Options Report	3
5	M	ANAGING BOTTLED WATER REQUESTS	3
6	CE	EASING INTERIM ALTERNATIVE WATER MANAGEMENT SOLUTION	4
7	RE	EFERENCES	4
	N-T	EXT FIGURES	
F	low C	Chart 1. Bottled Water Request Management	4

FIGURES

- Figure 1. Fire Technology Center Location
- Figure 2. Stanton Street Facility Location
- Figure 3. Outdoor Testing/Training Area
- Figure 4. Private Drinking Water Well Sampling Area

ACRONYMS AND ABBREVIATIONS

AFFF aqueous film-forming foam

Arcadis U.S., Inc.

FTC Fire Technology Center

HAL Health Advisory Level

OTA Outdoor Testing/Training Area

PWSA private drinking water well sampling area

PFAS per- and poly-fluoroalkyl substances

PFOA perfluorooctanoic acid

PFOS perfluorooctanesulfonic acid

POET point of entry treatment
Tyco Tyco Fire Products, LP

USEPA United States Environmental Protection Agency

WDNR Wisconsin Department of Natural Resources

1 INTRODUCTION

On behalf of Tyco Fire Products LP (Tyco), Arcadis U.S., Inc. (Arcadis) prepared this Comprehensive Alternative Water Management Plan to address the interim drinking water needs of residents and businesses in the private drinking water well investigation area for per- and poly-fluoroalkyl substances (PFAS) related to the Ansul Fire Technology Center and the Tyco Fire Protection Products facilities located at 2700 Industrial Parkway South and 1 Stanton Street (respectively) in Marinette, Wisconsin (Figures 1 and 2). A long-term solution for drinking water is described in the Remedial Action Options Report for Long-Term Drinking Water Supply (Arcadis 2019).

2 BACKGROUND

2.1 Site Description and History

The Ansul Fire Technology Center (FTC) is a fire suppressant training, testing, research, and development facility built in the early 1960s. The FTC encompasses approximately 380 acres with approximately 9 acres used as the Outdoor Testing/Training Area (OTA). The OTA includes the Firefighting School area (where firefighting scenarios are simulated) and the Research and Development area (where product testing occurs). The location of the OTA is presented on Figure 3. The remaining area of the FTC is used for manufacturing, warehousing, office, classroom, parking or is undeveloped.

The FTC is bordered by industrial and commercial properties to the west, and industrial, commercial, and Marinette School District property to the north. Agricultural land, a cemetery, a golf course, a community center, and undeveloped land owned by the University of Wisconsin Board of Regents and private owners border the FTC to the east and south.

Aqueous film-forming foams (AFFF) historically have been used at the OTA as part of research and development, quality testing and firefighting training activities. Detailed history of the use of foams at the OTA was provided in Tyco's response letter to WDNR's Additional Information Request letter, submitted March 12, 2018.

At the Stanton Street campus, Tyco operates a fire extinguisher and fire suppression system manufacturing facility. Other historical operations have taken place at the facility including lumber mill operations and agricultural manufacturing including herbicides (CH2M 2015).

The Stanton Street facility consists of multiple tax parcels, totaling approximately 66 acres. It is located in the north-northeastern portion of the City of Marinette, directly south of the Menominee River (Figure 2). The land surface within the site is generally flat, much of it paved or covered by industrial buildings.

2.2 Recent Alternative Water Management Processes

As a result of detecting PFAS in off-site groundwater, a potable supply well sampling program of approximately 140 private wells was initiated in December 2017. Tyco immediately offered cases of bottled water and bottled water services to all community members within the private drinking water well sampling area at no cost to the residents.

As sample analyses were completed, Tyco offered point of entry treatment (POET) systems to those locations where PFAS was detected and confirmed in potable well samples at concentrations above the United States Environmental Protection Agency (USEPA) Lifetime Health Advisory Level (HAL). Working in conjunction with the Wisconsin Department of Natural Resources (WDNR), Tyco assessed available data and took action by expanding the private well sampling area in January 2018. Tyco then expanded the POET system offer to include any private drinking water well with a confirmed detection of perfluorooctanoic acid (PFOA) or perfluorooctanesulfonic acid (PFOS) above the laboratory reporting limits for these compounds. To date, POET systems have been installed in 40 locations and Tyco has tested 171 private drinking water wells. The POET systems and potable wells within the defined private drinking water well sampling area (PWSA) will continue to be sampled as outlined in the Revised Long-Term Potable Well Sampling Plan (Arcadis 2018) that was approved by WDNR. An updated version of that sampling plan will be provided to WDNR in April 2020. Residents within the defined PWSA will continue to receive bottled water service or POET system maintenance as requested while Tyco works to install a long-term drinking water solution.

2.3 Sampling Area

Tyco's PWSA is roughly contained to the north by University Drive, to the west by County Road B, to the south by Rader Road and to the east by the Bay of Green Bay. Figure 4 outlines the PWSA.

The PWSA is defined using data collected from desktop studies of local geology and analytical data from field investigations. It is demonstrative of the total area of potential effect for Tyco operations in the area. The PWSA may adjust as additional data supports.

3 INTERIM COMPREHENSIVE ALTERNATIVE MANAGEMENT SOLUTION

3.1 Bottled Water

Bottled water is offered to all homeowners and well users within the defined PWSA.

3.2 Point of Entry Treatment Systems

Point of Entry Treatment Systems (POETs) will be offered to all well owners/users within the defined PWSA with sampling results indicating detections of PFOA and/or PFOS above a combined value of 20 nanograms per liter. Tyco may elect to continue offering POET systems to well owners/users if PFOA and/or PFOS are detected below this threshold.

3.3 Connect to Existing Infrastructure

Tyco is evaluating how to proceed with connections to a permanent community water supply system for certain properties that do not currently have a water main directly adjacent to the structure within the Marinette City limits.

4 PROPOSED FINAL ALTERNATIVE WATER MANAGEMENT SOLUTION

4.1 Remedial Action Options Report

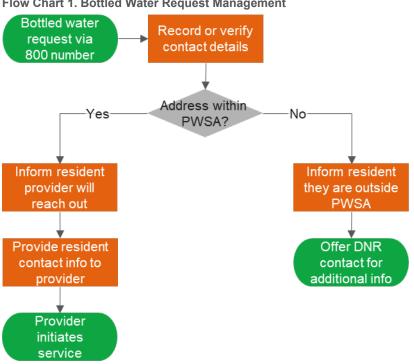
The Remedial Action Options Report for Long-Term Drinking Water Supply, Town of Peshtigo, Wisconsin (RAOR) dated September 2019 includes an interim evaluation of remedial actions to provide long-term drinking water supply alternatives associated with response actions on the east side of the Town of Peshtigo along the southern border of the City of Marinette, Wisconsin, in accordance with Wisconsin Administrative Code (WAC), Chapter NR 700, where applicable. This evaluation of long-term drinking water supply alternatives was conducted to identify potentially feasible options for the residences with affected private water supply wells within the Town of Peshtigo. The evaluation identified eight drinking water supply alternatives and provided conceptual-level information for comparison of the alternatives.

Based on the evaluation of the initial eight alternatives and stakeholder feedback, five alternatives were selected for more detailed assessments. Based on the detailed evaluation results, the recommended long-term drinking water supply for the well sampling area in the Town of Peshtigo, as defined herein, is Alternative 1, City of Marinette Public Water System Expansion. This alternative consisted of all existing residences in the well sampling area in the Town of Peshtigo being connected to the City of Marinette public water system. The existing Marinette Water Utility water distribution system would be extended by installing additional water mains in the Town of Peshtigo and providing service connections to all properties along the newly-installed water mains. Tyco presently is having discussions with the City of Marinette, Town of Peshtigo and other stakeholders about connecting the existing City of Marinette municipal water system to the PWSA. Please see the RAOR referenced above for additional details.

5 MANAGING BOTTLED WATER REQUESTS

Bottled water requests will continue to be managed through the toll-free number set up for this project. Anyone requesting bottled water will provide the address specific to their request which will be compared to the PWSA. If the property is found to be within the PWSA, a bottled water service provider will be informed by Arcadis that they are approved to start service for a new property. The bottled water service provider will contact that resident directly to set up and initiate service. Tyco will fund bottled water service. Properties outside the PWSA will be informed that they are not currently part of the investigation area and not eligible for free bottled water and they will be offered contact information for WDNR to answer any additional questions. A flow chart depicting this process is provided below.

arcadis.com



Flow Chart 1. Bottled Water Request Management

CEASING INTERIM ALTERNATIVE WATER 6 **MANAGEMENT SOLUTION**

All alternative water solutions implemented to date are interim. Bottled water service and POET maintenance will cease in any of the following scenarios:

- Completion of community water system extension
- Conclusion of sampling program
- Vacated properties, tenant or owner
- Homeowner request
- POET installation

Other criteria that may be developed as additional data is obtained and as other conditions warrant.

7 REFERENCES

Arcadis 2018. Revised Long-Term Potable Well Sampling Plan. Tyco Fire Products LP. April.

Arcadis 2019. Remedial Action Options Report for Long-Term Drinking Water Supply, Town of Peshtigo, Wisconsin. Tyco Fire Products LP. September.

CH2M Hill 2015. Revised Barrier Wall Groundwater Monitoring Plan Update. Tyco Fire Products LP. September.

Tyco letter to WDNR. Re: Additional Information Request. Submitted March 12, 2018.

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FIGURES

FTC LOCATION



FIGURE

NOTES:

1. TOPOGRAPHIC MAP SOURCE: COPYRIGHT:© 2013 NATIONAL GEOGRAPHIC SOCIETY, I-CUBED, ACCESSED MARCH, 2018.

City: Minneapolis/Citrix Div/Group: IMDVC Created By: Last Saved By: mgress TYCO Marinette, WI

LEGEND:

APPROXIMATE STANTON STREET FACILITY PROPERTY BOUNDARY

TYCO FIRE PRODUCTS, LP MARINETTE, WISCONSIN

STANTON STREET FACILITY LOCATION

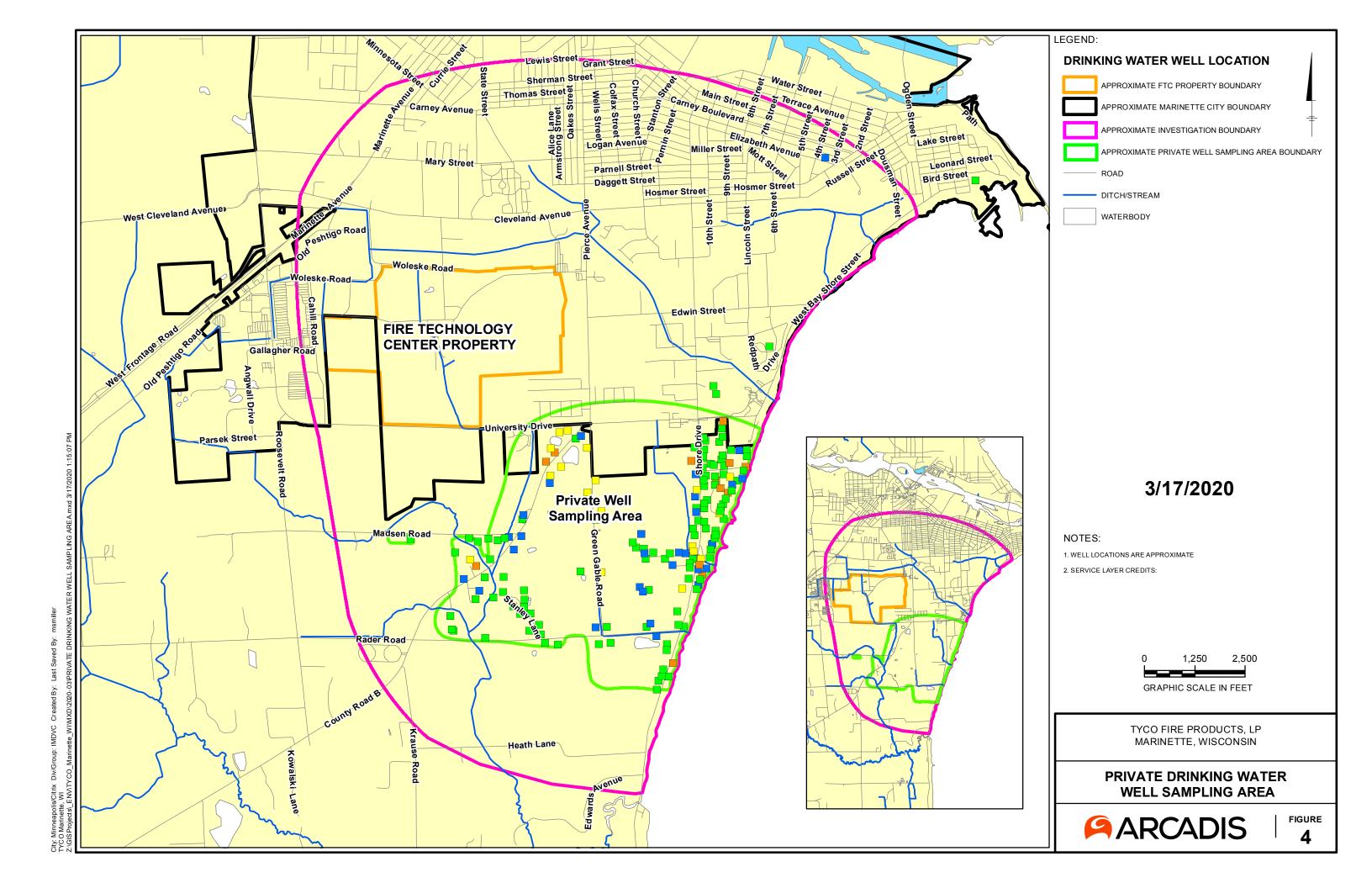


FIGURE

NOTES:

1. TOPOGRAPHIC MAP SOURCE: COPYRIGHT:© 2013 NATIONAL GEOGRAPHIC SOCIETY, I-CUBED, ACCESSED OCTOBER, 2018.







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