

Ms. Alyssa Sellwood
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
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Date: April 15, 2025
Subject: Q1 2025 Project Status; Tyco Fire Technology Center (FTC) PFAS and VOCs at 2700 Industrial Parkway South and Stanton Street PFAS at One Stanton Street, Marinette, Wisconsin
BRRTS Activity#: 02-38-580694, 03-38-001345, and 02-38-581955

Dear Ms. Sellwood,

On behalf of Tyco Fire Products LP (Tyco), Arcadis submits this status report to summarize activities completed, data collected, corrective actions, and WDNR/Tyco correspondence for Q1 2025, as well as planned activities for the upcoming quarter (Q2 2025). As noted in previous quarterly status reports to WDNR, Tyco will continue to provide updates on a quarterly basis to reflect current and planned activities.

PROJECT STATUS

Below is a summary of the project status for the Tyco Fire Technology Center (FTC) and Stanton Street facilities and long-term drinking water supply for the period from January 1, 2025 to March 31, 2025 (Q1 2025) and planned activities from April 1, 2025 to June 30, 2025 (Q2 2025).

Activities Completed

Field Work

- January 1, 2025 to March 31, 2025 – Groundwater Extraction and Treatment System (GETS) extraction well re-development by Cascade Drilling to improve extraction well performance at EX-1S, EX-2S, EX-3, and EX-4. Redevelopment of these wells is expected to occur on a semi-annual basis in the future
- January 1, 2025 to March 31, 2025 – Point-of-Entry Treatment (POET) system sampling and operation, maintenance, and monitoring (OMM)
- January 1, 2025 to March 31, 2025 – Private well sampling
- January 1, 2025 to March 31, 2025 – Ditch B Treatment System OMM, weekly and quarterly sampling for the Wisconsin Pollution Discharge Elimination System (WPDES) permit, monthly downstream surface water sampling
- January 1, 2025 to March 31, 2025 – Deep private well installations (11 locations)
- January 1, 2025 to March 31, 2025 – Short-Term Phase groundwater and surface water monitoring associated with the July 2021 GETS Long-Term Monitoring (LTM) Plan
- January 1, 2025 to March 31, 2025 – Continued operation of the GETS

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- January 1, 2025 to March 31, 2025 – Continued design and contractor bidding for GETS optimization and expansion for adding five new extraction wells (EX-10, EX-11, EX-12, EX-13, and EX-14) into the connected extraction well network
- January 1, 2025 to March 31, 2025 – Continued GETS design modifications for installation of new multi-media filter, new bag filters, new lime mixing system, and piping modifications in accordance with the WPDES permit modification submitted August 21, 2024 and approved by WDNR on September 17, 2024
- January 14, 2025 to January 23, 2025 – Monitoring well installations (and vertical aquifer profiling groundwater sampling to support well installations in one location) in accordance with the August 2023 Additional Site Investigation Work Plan for the FTC and the Response to April 17, 2024 Comments – Response to Interim Long Term Monitoring Plan for Groundwater and Surface Water for the FTC dated June 3, 2024
- January 17, 2025 to January 22, 2025 – Monitoring well installations in accordance with the May 2024 Additional Site Investigation Work Plan for the Stanton Street Facility
- February 5, 2025 to February 6, 2025 – Groundwater sampling at newly installed monitoring wells in accordance with the Response to April 17, 2024 Comments – Response to Interim Long Term Monitoring Plan for Groundwater and Surface Water for the FTC dated June 3, 2024
- February 5, 2025 to February 6, 2025 – Groundwater sampling at newly installed monitoring wells in accordance with the May 2024 Additional Site Investigation Work Plan for the Stanton Street Facility
- February 10, 2025 to February 11, 2025 – Quarterly (Q1) groundwater sampling in accordance with the March 2024 Interim Long Term Monitoring Plan for Groundwater and Surface Water and the Response to April 17, 2024 Comments – Response to Interim Long Term Monitoring Plan for Groundwater and Surface Water for the FTC dated June 3, 2024
- February 11, 2025 to February 13, 2025 – Quarterly monitoring well sampling for volatile organic compounds (VOCs)
- March 10, 2025 to March 31, 2025 – Ditch A Treatment System OMM, weekly and quarterly sampling for the WPDES permit, monthly downstream surface water sampling (channel was frozen January 1, 2025 to March 9, 2025)
- March 13, 2025 to March 31, 2025 – Foam monitoring booms were deployed on March 13 due to spring thaw and weekly foam monitoring resumed at Ditch A through Ditch E. Foam was not observed at Ditch A and Ditches C through E. For Ditch B, foam was collected morning and afternoon when observed
- March 18, 2025 – The Sontek stream flow instrument at Ditch B was re-installed by the manufacturer's representative. New stilling well instrument remains active for the stream flow rating curve calculated flow rate.

Deliverables Submitted to WDNR

- January 13, 2025 – Q4 2024 Project Status; Tyco FTC, Stanton Street
- January 21, 2024 – Ditch A, Ditch B, and GETS Monthly WPDES Discharge Monitoring Reports (December 2024); Tyco FTC
- January 31, 2025 – Deep Aquifer Bedrock Well Design and Long-Term Monitoring Update – Quarterly Deep Private Well Update (October-December 2024); Tyco FTC
- February 7, 2025 – Exemption Request for Beneficial Reuse of Soils; Tyco FTC
- February 11, 2025 – 2024 Foam Monitoring Interim Action Report; Tyco FTC

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- February 21, 2024 – Ditch A, Ditch B, and GETS Monthly WPDES Discharge Monitoring Reports (January 2025); Tyco FTC
- March 18, 2025 – Exemption Request for Beneficial Reuse of Soils; Tyco FTC
- March 19, 2024 – Ditch A, Ditch B, and GETS Monthly WPDES Discharge Monitoring Reports (February 2025); Tyco FTC
- March 31, 2025 – Quality Assurance Project Plan, Revision 4; Tyco FTC, Stanton Street
- March 31, 2025 – 2025 Interim Long Term Monitoring Report #2; Tyco FTC
- March 31, 2025 – Ditch A Semi-Annual Operation, Maintenance, and Optimization Progress Report #12; Tyco FTC
- March 31, 2025 – Ditch B Semi-Annual Operation, Maintenance, and Optimization Progress Report #11; Tyco FTC
- March 31, 2025 – Deep Aquifer Bedrock Well Design and Long-Term Monitoring – Status Update; Tyco FTC

WDNR/Tyco Correspondence

Tyco Submittal to WDNR

- January 8, 2025; January 31, 2025; February 28, 2025; March 31, 2025 – Database Uploads
- January 24, 2025; February 17, 2025; March 6, 2025 – Sample Results Notifications
- March 19, 2025; March 23, 2025; March 26, 2025; March 31, 2025 – Foam Observation Notifications for Ditch B

WDNR Submittal to Tyco

- February 6, 2025 – Response to GETS Progress Report #4 (Nov. 13, 2023 – Nov. 10, 2024); BRRTS #02-38-580694
- March 6, 2025 – Approval to Manage Contaminated Soil under Wis. Adm. Code § NR 718.12; BRRTS #s 02-38-580694 and 03-38-001345
- March 18, 2025 – Approval to Manage Contaminated Soil under Wis. Adm. Code § NR 718.12; BRRTS #s 02-38-580694 and 03-38-001345

WDNR/Tyco Summits and Periodic Meetings

- Weekly calls between WDNR and Tyco
- March 20, 2025; March 21, 2025 – Community update communications and corresponding Tyco website updates

Planned Activities

- Continue field work related to the GETS LTM Plan Short-Term Monitoring Phase and optimization activities approved by WDNR
- Construction of WDNR approved GETS interior system modifications. Work is planned to begin in April 2025

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- Connecting new GETS wells to the GETS: EX-10, EX-11, EX-12, EX-13, and EX-14 (formerly named PZ-64-67) to be connected via horizontal drilling to the GETS. Horizontal drilling began in March 2025, and new extraction wells area intended to begin pumping to GETS by Spring 2025
- Ongoing use of hydrogen peroxide for oxidation and solids removal at GETS
- Ongoing use of Geotube® and lime mixing system for solids handling at GETS
- Ongoing design and contractor bidding for GETS optimization activities. Interior GETS modifications intended to be completed by Spring 2025, as approved by WDNR
- GETS extraction well redevelopment planned for April 2025
- Continued field work related to the FTC Interim LTM Plan for Groundwater and Surface Water
- Continue foam monitoring activities at Ditch A through Ditch E
- Continue outreach to Town of Peshtigo residents in the Potable Well Sampling Area (PWSA) to implement long-term drinking water solution(s)
- Continue installation of private deep drinking water wells
- Continue sampling of deep monitoring wells
- Continue OMM activities associated with the LTM Plan and reporting for the Ditch A and B Treatment Systems
- Continue OMM activities associated with the GETS building
- Continue quarterly private well sampling and POET OMM per the Revised Long-Term Potable Well Sampling Plan, v.10
- Continue quarterly groundwater sampling of VOCs at the FTC in May 2025

Tyco and Arcadis appreciate WDNR's collaboration on this project. Should you have any questions, please contact the undersigned.

Sincerely,
Arcadis U.S., Inc.



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