

Ms. Alyssa Sellwood
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
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Subject:

Q4 2020 Project Status; Tyco Fire Technology Center (FTC) PFAS at 2700 Industrial Parkway South, Stanton Street PFAS at One Stanton Street, and Land Applied Biosolids Area, Marinette, Wisconsin
BRRTS Activity#: 02-38-580694, 02-38-581955, and 02-38-583856

ENVIRONMENT

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 the 4th quarter, 2020, as well as planned activities for the upcoming quarter (Q1 2021). 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.

Date:
January 15, 2021

Contact:
Shauna Johnson

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PROJECT STATUS

Below is a summary of the project status for the Tyco FTC and Stanton Street facilities and long-term drinking water supply for the period from October 1, 2020 to December 31, 2020 (Q4 2020) and planned activities from January 1, 2021 to March 31, 2021 (Q1 2021).

Activities Completed

Field Work

- October 1, 2020 - December 31, 2020 – FTC Fall 2020 Private Well Sampling Event
- October 1, 2020 - December 31, 2020 – Point-of-Entry Treatment (POET) system sampling and operation, maintenance, and monitoring (OMM)
- October 1, 2020 - December 31, 2020 – Ditch A and B treatment system OMM and weekly sampling for Wisconsin Pollutant Discharge Elimination System (WPDES) permit sampling
- October 1, 2020 - December 15, 2020 – daily foam monitoring of Ditch A – Ditch E; boom removal on December 15 due to freezing conditions
- October 7, 2020 – soil sampling associated with the FTC Supplemental Site Investigation Work Plan

- October 6, 2020 - October 10, 2020 – Ditch B surface water and groundwater monitoring associated with the Ditch B Pre-Design Investigation (PDI) Work Plan
- October 21, 2020 – Ditch B surface water sampling immediately upgradient and downgradient of the treatment system
- October 29, 2020 – groundwater sampling associated with the FTC Supplemental Site Investigation Work Plan
- November 2, 2020 – December 11, 2020 – utility locating, and installation of monitoring wells and piezometers associated with the Stanton Street Near-Term Bedrock Groundwater Evaluation Work Plan, the Stanton Street Site Investigation Work Plan, and the FTC Supplemental Site Investigation Work Plan
- November 4, 2020 - November 6, 2020 – Ditch B surface water and groundwater monitoring associated with the Ditch B PDI Work Plan
- November 17, 2020 – groundwater sampling associated with the FTC Supplemental Site Investigation Work Plan
- November 19, 2020 – soil sampling for grain size analysis at one pilot boring and installation of an observation well associated with the Ditch B PDI Work Plan
- November 20, 2020 – Ditch B surface water sampling immediately upgradient and downgradient of the treatment system
- December 14, 2020 - December 17, 2020 – Ditch B surface water and groundwater monitoring associated with the Ditch B PDI Work Plan and removal of temporary mini-piezometers
- December 14, 2020 - December 18, 2020 – installation of one extraction well and completion of an extraction test at the extraction well associated with the Ditch B PDI Work Plan
- December 14, 2020 - December 17, 2020 – pond surface water sampling associated with the FTC Fish Tissue and Surface Water Sampling Work Plan
- December 17, 2020 - December 18, 2020 – groundwater sampling associated with the design of the full-scale groundwater extraction treatment system
- December 28, 2020 – Ditch B surface water sampling immediately upgradient and downgradient of the treatment system

Deliverables Submitted to WDNR

- October 15, 2020 – Q3 2020 Project Status, Tyco FTC, Stanton Street, and Land Applied Biosolids Area, Marinette
- October 21, 2020 – Ditch A&B Monthly WPDES Discharge Monitoring Reports (September 2020)
- October 21, 2020 – Building 105 Monthly WPDES Discharge Monitoring Report (September 2020)
- October 29, 2020 – Ditch B PDI Work Plan - FTC
- November 5, 2020 – Fish Tissue and Surface Water Sampling Work Plan - FTC
- November 16, 2020 – Groundwater Flow and Solute Transport Model Report - FTC
- November 20, 2020 – Ditch A&B Monthly WPDES Discharge Monitoring Reports (October 2020)
- November 20, 2020 – Building 105 Monthly WPDES Discharge Monitoring Report (October 2020)
- December 3, 2020 – Notice of Termination submitted for Building 105 WPDES permit
- December 1, 2020 – Draft Project Schedule, Tyco FTC and Stanton Street, Marinette

- December 21, 2020 – Ditch A&B Monthly WPDES Discharge Monitoring Reports (November 2020)

Corrective Actions

- Field activities are on-going; personnel are following applicable federal, state, and local coronavirus guidance to prevent exposure to and spread of the disease while conducting field activities

WDNR/Tyco Correspondence

Tyco Submittal to WDNR

- October 2, 2020; October 13, 2020 (2); October 26, 2020; October 28, 2020; November 2, 2020; November 5, 2020; November 6, 2020 (3); November 23, 2020; November 25, 2020; December 4, 2020 (2); December 8, 2020; December 10, 2020 (2); December 11, 2020; December 16, 2020 (2); December 22, 2020; December 24, 2020; December 30, 2020 – Sample results notifications
- October 7, 2020 – Fish Tissue Results (email) - FTC
- October 9, 2020; October 23, 2020; October 27, 2020, November 6, 2020; November 20, 2020; December 4, 2020; December 22, 2020 – PFAS database uploads
- November 11, 2020 – email notification of work plan revisions / request to hold review - FTC and Stanton Street
- November 20, 2020; December 4, 2020; December 22, 2020 – GIS shape files requested by WDNR
- November 24, 2020 – Response to comments on the Soil Management Plan - FTC

WDNR Submittal to Tyco

- November 6, 2020 – Notice of New Project Manager for the Land Applied Biosolids Area, BRRTS #02-38-580694, #02-38-581955, and #02-38-583856
- November 16, 2020 – Response to Comprehensive Alternative Water Management Plan - FTC and Stanton Street
- November 16, 2020 – Response to Revised Long-Term Potable Well Sampling Plan - FTC
- November 17, 2020 – email acknowledgement of intent to revise work plans / hold review - FTC and Stanton Street
- November 23, 2020 – Review of Potable Well Results Using Cycle 11: BRRTS #02-38-580694, 02-38- 581955, and 02-38-583856
- December 10, 2020 – Potable Well Sampling PFAS Analytical Results, Expanded Site Investigation Area, Marinette County, Wisconsin, Data through 11/30/2020

WDNR/Tyco Summits and Periodic Meetings

- Weekly calls between WDNR and Tyco
- October 20, 2020 – quarterly WDNR-Tyco Summit (Q4 2020)
- November 5 and 12, 2020 – WDNR-Tyco technical overview meetings

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- November 19, 2020 – WDNR-Tyco permitting meeting - Ditch B groundwater remedy
- December 17, 2020 – WDNR-Tyco remedial strategy update meeting

Planned Activities

- Continue deliverable preparation and submittal, per the Draft Project Schedule submitted to the WDNR on December 1, 2020
- Continue field work related to the FTC Supplemental Site Investigation Work Plan, Stanton Street Near-Term Bedrock Groundwater Evaluation Work Plan, Stanton Street Site Investigation Work Plan, and Ditch B PDI Work Plan
- Resume daily foam monitoring activities on Ditch A – Ditch E once freezing weather conditions cease
- Continue negotiations and dialogue associated with long-term drinking water distribution system expansion into the Town of Peshtigo
- Continue access negotiations with the Town of Peshtigo to complete piezometer installations and sampling associated with the FTC Supplemental Site Investigation Work Plan
- Continue OMM and Discharge Monitoring Reports for the Ditch A&B Treatment Systems
- Continue quarterly private well sampling and POET OMM per the Revised Long-Term Potable Well Sampling Plan
- Prepare a remedial action design for soil and groundwater

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

Sincerely,

Arcadis U.S., Inc.



Shauna Johnson
Project Professional

Copies:

Katie McGinty, Jeffrey Danko, Scott Wahl – Johnson Controls