

May 29, 2019

Mr. Conor Neal
Hydrogeologist
Land & Chemicals Division
US Environmental Protection Agency, Mail Code LU-9J
77 West Jackson Blvd
Chicago, IL 60604-3590

RE: Bi-Weekly Summary Report for Pump Down Program
Tyco Fire Products LP Site
Marinette, WI

Dear Mr. Neal:

The information provided herein is a summary of activities conducted at the Tyco Fire Products LP (Tyco) site associated with the Pump Down Program (PDP) for the former Salt Vault and 8th Street Slip areas. The PDP is required as part of the Administrative Order on Consent between Tyco and U.S. Environmental Protection Agency (USEPA). This summary report covers the period from May 11, 2019 through May 24, 2019.

Summary of Work during Reporting Period

Work conducted during the reporting period included:

- Manual water level readings at the designated monitoring points and extraction wells were collected at least weekly during the reporting period. The average water level, based on the most recent water level measurements (May 23, 2019) during the reporting period, in the former Salt Vault was 579.72 feet above mean seal level (ft. AMSL), or 1.82 feet above the target level. The average water level in the former 8th Street Slip was 576.02 ft. AMSL, or 1.88 feet below the target level. A cumulative summary of manual water level readings and corrected elevations is attached as Table 1.
- During pumping operations, total groundwater recovery rates in the former Salt Vault area averaged 3.37 gallons per minute (gpm) from the four extraction wells during the reporting period and 4.19 gpm from the two extraction wells in the former 8th Street Slip. Shutdown of the extraction wells occurred over the

weekends of May 11/12 and May 25/27. Shutdown of the extraction wells within the 8th Street Slip also occurred over the weekends of May 11/12 and May 25/27 and intermittently during the reporting period due to onsite tank capacities and restrictions on water disposal at Waste Management’s Vickery, Ohio facility; otherwise, the extraction wells in each area were reported to have operated continuously during the reporting period without any mechanical issues.

- Off-site transportation of recovered groundwater was conducted during the reporting period. Off-site disposal operations are limited to five days per week with generally 2 trucks (approximately 10,000 gallons) per day necessary to maintain tank levels allowing for continuous pumping from the extraction wells.

A summary of pumping and disposal operations for the 2019 season is provided below.

Summary of Pump Down Operations (through May 24, 2019)

	Gallons Pumped	Gallons Treated at GWTS ¹	Gallons Transported for Off Site Disposal
This Period	~79,150	~0	~81,134
2019 Operations to Date	~197,625	~0	~179,390 ²

All quantities are estimated

Issues Encountered During Reporting Period

No operational issues occurred during the reporting period.

Issues To Be Resolved During Next Reporting Period

No issues that require resolution have been identified at this time.

Anticipated Work During Next Reporting Period

Manual water level measurements will continue to be collected from the designated monitoring wells and extraction wells on a weekly basis. Extracted groundwater will continue to be transported to Vickery for disposal.

¹ GWTS – Groundwater Treatment System

² Volume includes stormwater recovered in secondary containment structure

If you have any questions regarding this report, please contact me at 414-524-3344 or jeffrey.howard.danko@jci.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeffrey Danko". The signature is written in a cursive style with a large initial "J".

Jeffrey Danko
EHS Manager – Environmental Remediation

Attachments:

Table 1 –Pump Down Program Groundwater Elevation Monitoring

cc: Angela Carey – WDNR
Trevor Moen - WDNR
Joseph Janeczek – Johnson Controls
Ryan Suennen – Tyco Fire Products

