

July 18, 2018

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 for the former Salt Vault and 8th Street Slip areas. The Pump Down Program 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 June 30, 2018 through July 13, 2018.

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 during the reporting period, in the former Salt Vault was 578.02 feet above mean seal level (ft. AMSL), or 0.12 feet above the target level. The average water level in the former 8th Street Slip was 576.05ft. AMSL, or 1.85 feet below the target level. A cumulative summary of manual water level readings and corrected elevations is attached as Table 1.
- Total groundwater recovery rates in the former Salt Vault area averaged 1.37 gallons per minute (gpm) per well from the four extraction wells during actual pumping operations (average does not incorporate temporary down time such as when tanks are full) or an average of 0.85 gpm assuming continuous operation during the reporting period. Total groundwater recovery rates in the former 8th

Street Slip averaged 3.5 gpm per well from the two extraction wells during pumping operations or an average of 0.85 gpm assuming continuous operation during the reporting period.

- 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.

A summary of pumping and disposal operations for the 2018 season is provided below.

Summary of Pump Down Operations (through July 13, 2018)

	Gallons Pumped	Gallons Treated at GWTS ¹	Gallons Transported for Off Site Disposal
This Period	~90,210	~0	~98,560
2018 Operations To Date	~676,680	~0	~673,680

All quantities are estimated

Issues Encountered during Reporting Period

We have continued to require limited shut down due to availability of transport trucks and Vickery disposal limitations. However, the natural reduction in pumping rates and recent availability of additional trucks appears to have eliminated the need for the temporary shut downs. This should allow for further water elevation reductions in the future and achievement of the target level in both areas.

Issues To Be Resolved During Next Reporting Period

No issues require resolution at this time.

Anticipated Work During Next Reporting Period

Manual water levels will be collected from the designated monitoring wells on a weekly basis. Groundwater elevation data will be provided in the next bi-weekly summary report. Extracted groundwater will continue to be transported to Vickery for disposal, with limited transport to the Heritage facility as available.

¹ GWTS – Groundwater Treatment System
²

If you have any questions regarding this report, please contact Jeff Danko at 262-951-6888 or jeff.danko-ext@jci.com.

Sincerely,



Jeffrey Danko
Environmental Project Geologist

Attachments:

Table 1 –Pump Down Program Groundwater Elevation Monitoring

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

