

May 9, 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 8<sup>th</sup> 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 April 19, 2018 through May 4, 2018 3, 2017.

### **Summary of Work during Reporting Period**

Work conducted during the reporting period included:

- The temporary conveyance and pumping system re-installation commenced on March 29, 2018 and was completed on April 12, 2018 in preparation for commencement of pumping operations on April 15, 2018.
- Pumping operations commenced on April 19, 2018. Start-up was delayed due to severe winter weather conditions at the site.
- Groundwater recovery rates in the former Salt Vault area averaged 9.74 gallons per minute (gpm) during pumping operations. Recovery rates in the former 8<sup>th</sup> Street Slip averaged 7.54 gpm during pumping operations.
- Manual water level readings at the designated monitoring points and extraction wells were collected during the interim shut down period with additional water levels collected immediately prior to system start-up and at least weekly following start-up. Average water levels prior to system start-up in the former Salt Vault and

former 8<sup>th</sup> Street Slip were 582.92 feet above mean sea level (ft. AMSL) and 581.3 ft. AMSL, respectively. Average water levels at the end of the reporting period in the former Salt Vault and former 8<sup>th</sup> Street Slip were 578.05 ft. AMSL and 579.66 ft. AMSL, respectively. A cumulative summary of manual water level readings and corrected elevations is attached as Table 1.

- Off-site transportation of recovered groundwater was conducted during the reporting period. Off-site disposal operations are limited to five days per week (Vickery is only accepting water for disposal Monday through Friday).

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

**Summary of Pump Down Operations (through May 4, 2018)**

	Gallons Pumped	Gallons Treated at GWTS	Gallons Transported for Off Site Disposal
This Period	~135,730	~0	~128,530
2018 Operations To Date	~135,730	~0	~128,530

All quantities are estimated

**Issues Encounter during Reporting Period**

Startup of the system was delayed due to severe winter weather.

**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.

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



