City Council

QUARTERLY UPDATE

GELMAN PLUME and 1,4-Dioxane

Sentinel Monitoring Well Investigation Updates

Between July and December 2019, the City of Ann Arbor has been evaluating locations to install sentinel monitoring wells between the north edge of the prohibition zone and Barton Pond. This work is part of the approach to ensure the city's surface water supply is protected from contamination. Below is the City Council October - December 2019 quarterly project update.

Current Project Status

- Tetra Tech has completed all phases of the investigation with the exception of obtaining monitoring well samples from select wells. Access was denied by Danaher Corporation. Tetra Tech is currently finalizing the Sentinel Monitoring Well Investigation Report for submittal in early January.
- The findings of the investigation and potential sentinel monitoring well locations were presented to the public at the Listening Session held on October 28, 2019 in City of Ann Arbor Council Chambers and at the Coalition for Action on Remediation of 1,4-Dioxane (CARD) quarterly meeting on November 5, 2019.

Next Steps

- Tetra Tech has been asked to complete a detailed proposal and scope of work for the installation of the sentinel monitoring wells.

WHERE ARE WE NOW?

Data Collection	3-D Modeling	Independent Review	Sample Collection	Well Location Recommendations	Public Engagement
PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR	PHASE FIVE	PHASE SIX
July-December	August	September	July-November	December	July-December

Agency Updates

EGLE[1] / CARD

- On October 1st, November 5th and December 3rd, respective monthly and quarterly meetings were held.
- EGLE continues to monitor the well trend analysis of the Gelman plume. Analysis is underway and will determine the monitoring frequency of proposed monitoring wells under the new implemented consent judgment.
- EGLE released the Allen Creek Drain Investigation summary report in November 2019. Concentrations of 1,4-dioxane were detected at four of the seven manhole locations sampled over a six-month period. Concentrations of 1,4-dioxane ranged from 0.96 µg/L (ppb) at the 'Eight-Waterworks' location to 22 µg/L (ppb) at the West Park SW location.
- EGLE reported on the November 8 meeting with the City of Ann Arbor and Washtenaw County Water Resources Commissioner regarding Allen Creek Drain Investigation summary report. The meeting promoted the integration of several sampling locations in West Park area into EGLEs bi-annual surface water sampling event during low flow conditions.

[1] Michigan Department of Environment, Great Lakes, and Energy

[2] National Pollutant Discharge Elimination System

NPDES[2] PERMIT

- EGLE is currently reviewing the NPDES permit application that was submitted on 4/4/19.
- EGLE has 180 days after determining completeness of application to issue or deny. There has been no significant update on this.
- Public notice period is for 30 days and a public hearing can be requested.
- If a public hearing occurs it will add time to the schedule.

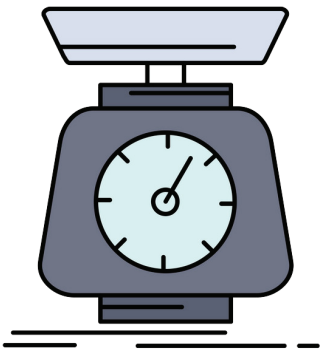
SUPERFUND DISCUSSION

- On December 12, a Joint County Working session (multiple agency meeting) was facilitated by Congresswoman Debbie Dingell.
- Key points:
  - Public comments were recorded into the record and the group went into a closed-door session.
  - Congresswoman Dingell arranged for a follow-up meeting that includes EPA personnel. This is expected to be a question and answer format on January 16, 2020.

Pall Groundwater Treatment Updates

Total Volume of Groundwater Treated 4th Quarter 2019

65,504,672 gallons



Mass of 1,4 Dioxane Removed

October: 50.50 lbs

November: 63.87 lbs

December: 62.66 lbs

Total: 177.03

The mass calculations were determined from the NPDES monthly discharge reports using the maximum daily influent concentration and maximum daily effluent concentrations.

The volume was calculated from the average monthly flows in the monthly discharge report.

Next Quarterly Report Due April 2020

- Superfund Decision
- CARD Updates
- NPDES Permitting Progress