



City Council  
**QUARTERLY  
UPDATE**

*and*  
**GELMAN PLUME  
1,4-Dioxane**

### Sentinel Monitoring Well Investigation Updates

Over the next six months (July through December 2019), the City of Ann Arbor will evaluate locations to install sentinel wells between the north edge of the prohibition zone and Barton Pond. This work is part of the city’s approach to ensure the city’s surface water supply is protected from contamination. Below is the City Council May-July 2019 quarterly project update.

#### Current Project Status

- Tetra Tech is currently working on Phase 2 of the investigation.
- Cross-sectional areas and monitoring wells have been determined and data has been entered into a 3-D model along the northern edge of the plume. Elevation data is needed to complete the cross-sectional model.
- Gelman consultant Jim Brode of Fleis & Vandenbrink provided the requested elevation data.
- Tetra Tech has compiled the recent analytical sampling data needed to generate into the 3-D model for generating a depiction of the plume through the aquifer.
- Access to monitoring wells for split sampling has been denied by Gelman. Phase 4 will not be completed.

#### Next Steps

- Add elevation data and generate 3-D model. (August)
- Engage Central Michigan University Professor Larry Lemke to review findings to date. (September)
- Refine information and edit 3-D model as necessary. (September - October)

**WHERE  
ARE WE  
NOW?**



## Agency Updates

### NPDES' PERMIT

- EGLE<sup>2</sup> 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 (expected ~ 10/19).
- 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.

### CARD<sup>3</sup>

- On July 2, a quarterly meeting was held.
- Patti McCall with Tetra Tech explained the sentinel monitoring well investigation on behalf of City of Ann Arbor. Overall positive response. CARD members want to ensure data collected is shared with EGLE and CARD.
- Dan Hamel (EGLE) indicated that the NPDES permit application was still under review.
- Roger Rayle (CARD) is interested in having stakeholders compile all data and files related to Gelman combined into a useable format for public use. He has asked that each entity determine what they have.
- Roger also mentioned that the County has hired an intern to compile historical Gelman information.
- Dan Hamel mentioned that the next round of residential well sampling will be completed by the end of July.

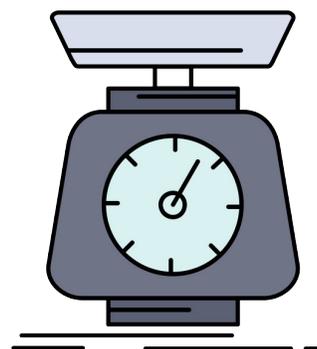
### SUPERFUND DISCUSSION

- On May 28, a listening session was hosted by County Commissioner Katie Scott to discuss plume issues and concerns.
- On June 6, a Joint County Working session (multiple agency meeting) was facilitated by Congresswoman Debbie Dingell, discussion included:
  - Unify all local units of government to increase public awareness.
  - Begin development of plan that impresses upon our State leaders the importance of their support.
  - Develop a unified strategy for the ongoing lawsuit against Gelman.
  - Decision on asking the Governor for EPA to deem plume a Superfund Site due in 3 to 6 months.
  - September 12, 2019 was discussed as a potential decision date for the Joint County Working session.

## Pall Groundwater Treatment Updates

Total Volume of Groundwater Treated  
2nd Quarter 2019

**61,790,971 gallons**



Mass of  
1,4 Dioxane Removed

April: 68.84 lbs

May: 74.00 lbs

June: 70.08 lbs

**Total: 209.14**

*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 October 2019

- Update on Sentinel Monitoring Well Investigation
- CARD Updates
- NPDES Permitting Progress

<sup>1</sup> National Pollutant Discharge Elimination System

<sup>2</sup> Michigan Department of Environment, Great Lakes, and Energy

<sup>3</sup> Coalition for Action on Remediation of Dioxane