

# 2019 TIMELINE: Monitoring Well Location Study for the Gelman Plume

Over the next six months (July through December 2019), the City of Ann Arbor will evaluate locations to install monitoring 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.



**1 PHASE 1 – DATA GATHERING**  
Review existing data including well logs and sampling results from EGLE, Washtenaw County Health Department, CARD and Gelman Science.

**2 PHASE 2 – 3-D MODELING OF PLUME**  
Generate a 3-D model of the subsurface on the northern edge of the plume. This model will be used to understand the contaminant migration pathways and will be used to identify data gaps where additional wells are needed.

**3 PHASE 3 – INDEPENDENT REVIEW OF MODEL**  
Dr. Larry Lemke will provide an independent technical review of the model. Dr. Lemke has been studying this site for decades and has significant experience and institutional knowledge on this site.

**4 PHASE 4 – SAMPLE COLLECTION**  
The city will collect samples at several existing monitoring wells along the north edge of the plume. Samples will be analyzed using a method that has a lower detection limit than is currently being used to provide additional resolution on the geographical limits of the plume.

**5 PHASE 5 – WELL LOCATION RECOMMENDATIONS**  
Using the new samples results, calibrated 3-D model, and review of existing data, a recommendation on monitoring well locations will be provided to the city.

**6 PHASE 6 – PUBLIC ENGAGEMENT**  
Staff will provide updates on the progress of this work through Quality Water Matters and at the conclusion of this study, will present the results and recommendations to City Council. Staff will engage stakeholders including CARD, EGLE and Washtenaw County Public Health Department throughout the course of this work.



[QualityWaterMatters.org](http://QualityWaterMatters.org)

# 2019 TIMELINE: MONITORING WELL LOCATION STUDY FOR THE GELMAN PLUME

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.



## Well Location Recommendations

**PHASE FIVE**

**December**

## 5 PHASE 5 – WELL LOCATION RECOMMENDATIONS

### NOVEMBER 2019 STATUS UPDATE:

The monitoring well location recommendations and 3-D model were presented by Tetra Tech and city staff at a public information session on Oct. 28, 2019 in Council Chambers. On Nov. 5, Tetra Tech will present information to members of CARD during their quarterly meeting. A final report will be submitted to the city for review in December.