



Flat Rock Emergency Response

Tricia Edwards, EPA Incident Commander

Background

On August 31, the City of Flat Rock requested EPA's assistance and since then, EPA has been working to determine the extent and source of contamination at Flat Rock through air monitoring and air sampling.



Background Cont.

- ▶ Air monitoring around Olmstead Road lift station
- ▶ Identify sources
- ▶ Work within Unified Command to flush sanitary sewer
- ▶ Respond to odor complaints

Trace Atmospheric Gas Analyzer (TAGA)

Self-contained mobile laboratory capable of real-time sampling and of outdoor air or emissions.



How does EPA conduct air monitoring and air sampling?



Handheld Sensors

- MultiRAE
- AreaRAE
- UltraRAE



Tedlar Bag

Whole-air sampling device for high-level VOCs and permanent gases.

Fabricated from PVF (Tedlar) film, a material that is inert to a wide range of chemicals.



Summa Canister

Used to collect air samples over a long period of time.

Samples collected are sent to a lab for analysis.



HAPSITE ER Chemical Identification System

Portable Gas
Chromatograph/Mass
Spectrometer.
Delivers lab-quality results.



What chemicals is EPA sampling for?

Chemicals found in gasoline:

- Benzene
- Toluene
- Ethylbenzene
- Xylene



Where can we view the Story Map?

response.epa.gov/FlatRockER

 Flat Rock ER



Flat Rock ER

Gasoline spill into the Flat Rock, Michigan, sanitary sewer system.

September 16, 2021

[Initial Request for Assistance](#)

[EPA Response Efforts](#)

[Sanitary Sewer Air Sample Loca...](#)

[School/Community Center Air Sa...](#)

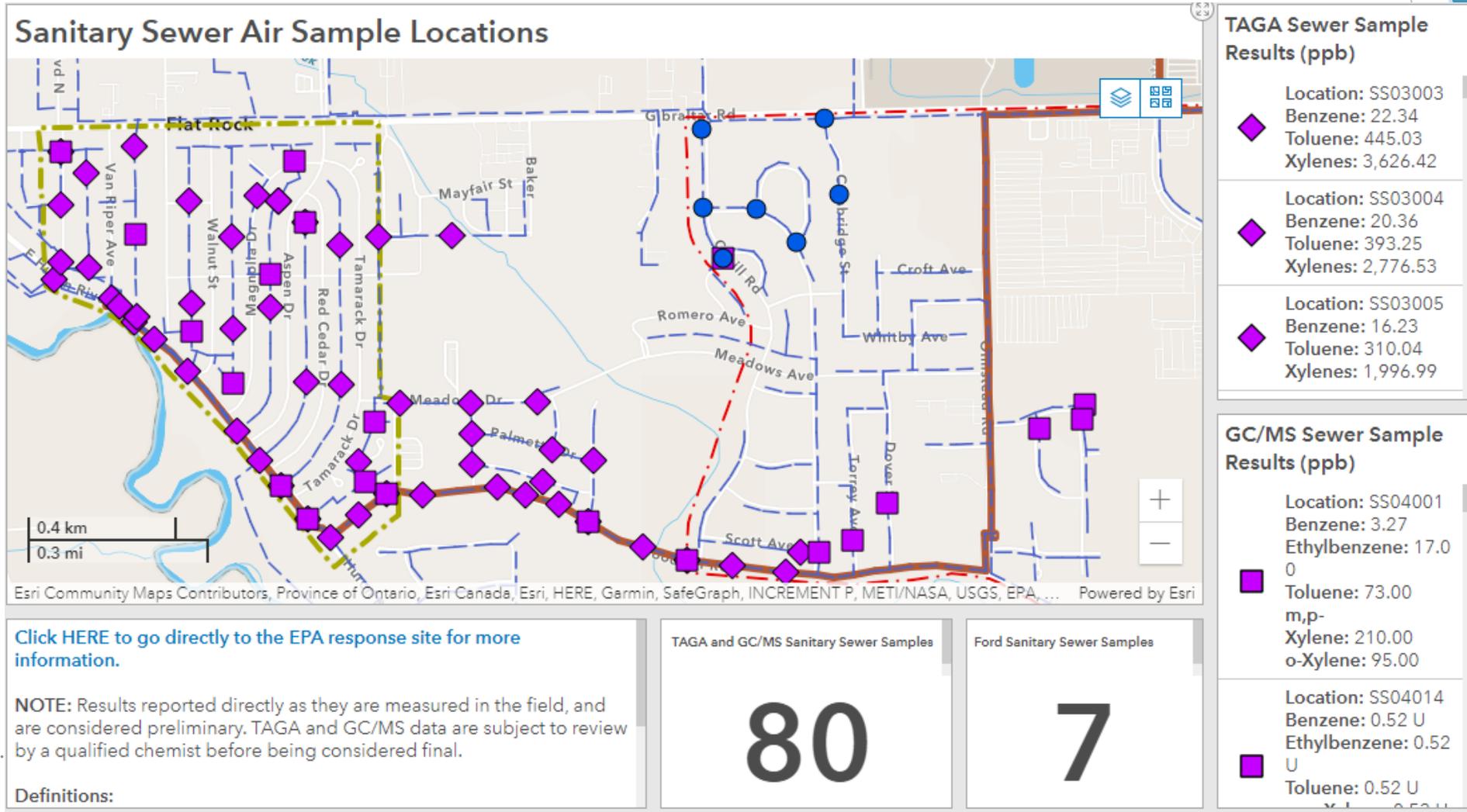
[EPA Response Photo Slideshow](#)

U.S. Environmental Protection Agency



Where can we view the collected data?

response.epa.gov/FlatRockER



U.S.

THANK YOU!

Visit EPA's Website for updates:

response.epa.gov/FlatRockER

