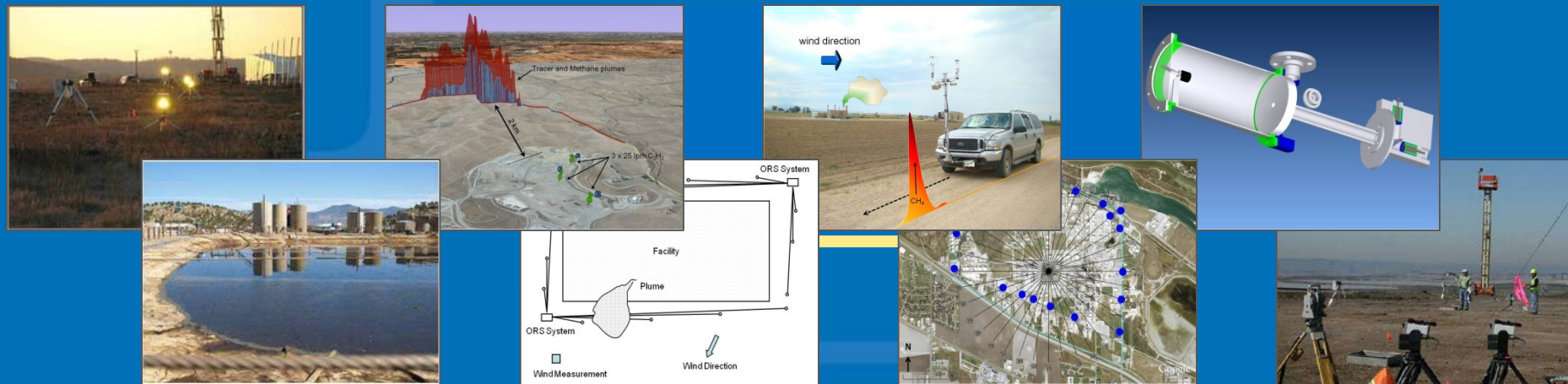


# Rubbertown NGEM Demonstration Project

## Community Update Meeting 2, July 25, 2017

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# Rubbertown NGEM Demonstration Project

*Community Update Meeting 2 - July 25, 2017*

## *What is NGEM again?*

- NGEM stands for Next Generation Emission Measurements
- NGEM can help us understand sources of air pollution

## *What is the objective of this project?*

- Work together to try new NGEM approaches in Rubbertown
- Learn about new methods and air pollution sources (research)

## *Who is part of this effort?*

- EPA ORD, Jacobs (contractor to EPA), EPA Region 4, and Louisville Metro APCD
- Rubbertown industries and other researchers might also participate
- Feedback from communities is always very important



# Rubbertown NGEM Demonstration Project

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## *What are the limitations of the project?*

- Internal EPA funding for NGEM research (limited scope)
- Focuses on select gas-phase air pollutants
- Uses prototype NGEM systems, only useful near-facilities

## *Is this a community health or exposure study?*

- No, this is a NGEM technology demonstration project that may inform some aspects of emissions from Rubbertown facilities

## *Is this an enforcement or compliance activity?*

- No, this is a voluntary research effort



# Rubbertown NGEM Demonstration Project

## *Community Update Meeting 2 - July 25, 2017*

### *What are some benefits of NGEM research?*

- Improve source understanding
- Reduce local and regional air shed impacts
- Create safer working environments
- Reduce product loss
- Develop more efficient work practices
- Improve transparency and community relations
- Prepare for the future management strategies

# Rubbertown NGEM Demonstration Project

*Example techniques that could potentially be deployed*

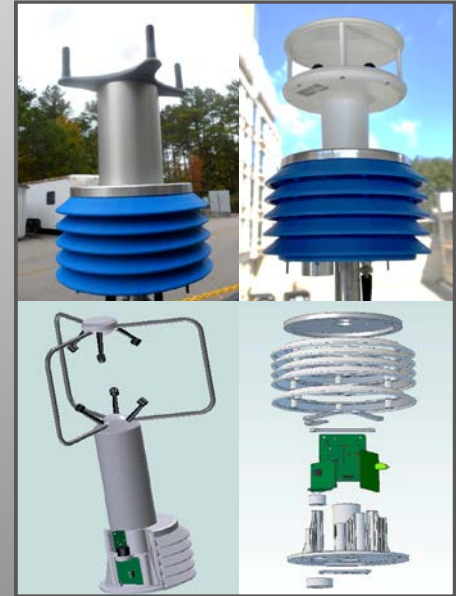
Field Gas Chromatographs



Mobile Measurements



Fenceline sensors



Passive Samplers



Open-path sensors





# Rubbertown NGEM Demonstration Project

*Community Update Meeting 2 - July 25, 2017*

## *How information will be shared?*

- Preliminary data will be shared in periodic presentations (like this one)
- In-process data may be shared with industry (to assess / fix emissions if found)
- Results will be published in journals and conferences

## *What is the status of the project?*

- Work continues to evaluate techniques and make site arrangements
- Some parts of the project to start in August or September, 2017





# Rubbertown NGEM Demonstration Project

## *Community Update Meeting 2 - July 25, 2017*

### *What are the next steps?*

- A draft quality assurance project plan (QAPP) is available to help folks understand this effort and what NGEM systems may be deployed.
- Comments on the QAPP are welcome. Any ideas folks may have on odors, or Rubbertown sources are also welcome. In comments, we ask that the constraints of this demonstration project be considered (limited to NGEM measurements near Rubbertown facilities).
- It is envisioned that this year-long field project will evolve over time and new NGEM techniques or approaches may be added as information becomes available, so it is never too late to provide input. As changes are made the QAPP will be up updates will be provided as available.