

# **Quarterly Research** Update

# **Community Exposure to Emissions and Noise Near Unconventional Oil and Gas Development: Eagle Ford Shale Region, Texas**

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## **Study Description**

ABOUT Fact sheet in English and Spanish

- **GOAL** Assess how people in the Eagle Ford Shale and surrounding areas might be exposed to air emissions and noise from unconventional oil and gas development (UOGD).
  - This study is part of the Tracking Community Exposures and Releases (TRACER) Collaboration, a three-team research collaboration funded by HEI Energy.



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General study location

#### What's happened?

- Purchased and received equipment to monitor air quality and noise.
- Started to develop the TRACER model to predict emissions of chemicals of potential concern for health.



The mobile monitoring platform for mobile measurements in the Eagle Ford Shale.

#### What's new?

- Identifying air and noise monitoring locations based on the presence of emissions sources, wind direction and accessibility in Karnes City, Texas.
- Setting up monitoring platforms and testing equipment.



The trailer to be used for stationary measurements in the Eagle Ford Shale.

#### What's next?

- Begin mobile air monitoring in October 2022 in Austin, Texas, to 'test drive' the equipment for future monitoring in the Eagle Ford Shale.
- Use the TRACER model to evaluate the effect of proposed Environmental Protection Agency rules, aimed at reducing methane emissions, on volatile organic compound emissions from UOGD.
- Develop techniques to include emissions from flares in the TRACER model.

LEARN MORE Study page on HEI Energy website

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