



# Energy Transfer Pipeline Release Upper Makefield Township

March 26, 2025

David Fennimore, P.G.  
President Earth Data Northeast, Inc.

- **Pennsylvania Professional Geologist**
- **Over 40 years experience in groundwater projects in Bucks, County**
- **Groundwater resource development**
- **Groundwater investigations and remediation**
- **Project Coordination**
- **Email: [dfennimore@earthdatane.com](mailto:dfennimore@earthdatane.com)**

# Upper Makefield Township

Engaged by Upper Makefield Township as a Project Coordinator to assist the Township in the evaluation of technical information and the regulatory processes related to the investigation and remediation of environmental impacts associated with the Energy Transfer Pipeline Release.

# Project Update

March 26, 2025

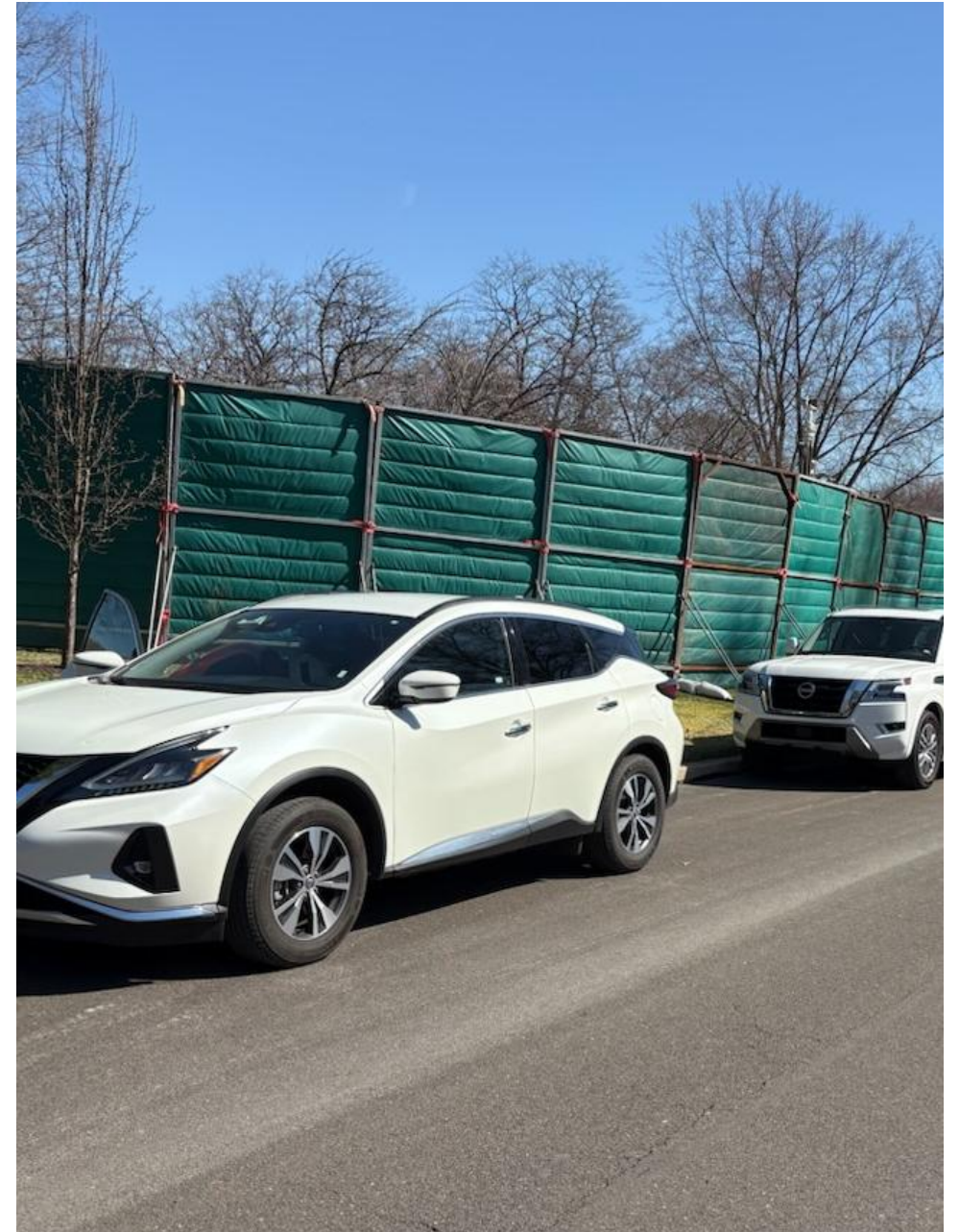
# Pre-Drilling Investigation

- Performed soil gas surveys
- Performed geophysical logging in the 108 Spencer Road well.
- Conducted packer testing in the 108 Spencer Road well.
- Performed surface geophysics to locate fracture trends.

This information was compiled and evaluated to select the location of the recovery well 108 Spencer Road.

# Recovery Well Drilling 108 Spencer Road

- Purpose is to remove released petroleum product from groundwater.
- Drilling operations conducted March 19<sup>th</sup>-21<sup>st</sup>.
- Sound barriers installed.
- Air monitoring performed.
- Residential wells monitored for hydraulic response to drilling.



# Recovery Well Drilling 108 Spencer Road

- Residential wells monitored for changes in product levels.
- Total well depth was 72 feet below ground surface.
- Well yield was approximately 5 gallons per minute.
- Soil and groundwater sampled by Energy Transfer, results are pending.



# Recovery Well at 121 Glenwood Road

- Energy Transfer advises that access is being negotiated with the owner.
- Energy Transfer advises that the property was not purchased.
- Purpose of the well is to recover product near the release source area.
- Energy Transfer is preparing a drilling plan for PADEP review.
- Drilling date has not yet been scheduled.
- Sound barriers, air monitoring, and well monitoring to be conducted.



# Pipeline Investigative Tool Runs

- Mechanical tools run within the pipeline to evaluate integrity
- Tools are advanced in the pipeline driven by the pressurized product
- Tools run the entirety of the pipeline
- Gauge Tool - measures pipe diameter – completed last week
- Crack Detection Tool - looks for cracks in pipe – completed March 25
- Corrosion Tool – Looks for areas of corrosion in pipe – to be run April 4
- Geo Tool – uses geospatial data to assess integrity – to be run April 24
- Conducted by third-party contractor
- Evaluated by PHMSA

# Recent Submittals to PADEP

- **Interim Remedial Action Plan:** Purpose is to start recovery of product to minimize spread of contamination (recovery wells) and evaluate for soil, vapor intrusion, and surface water impacts.
- **Public Participation Plan:** Purpose is to provide transparency and public involvement during the investigation and remediation process.
- **Site Characterization Work Plan:** Purpose sets forth tasks to characterize geology and hydrogeology and the extent of contamination to inform the remediation process. Includes monitoring well installation. Proposed submittal on April 18, 2025.

# Residential Well Sampling

- Residential wells are being tested on a rolling basis. 1<sup>st</sup> round/2<sup>nd</sup> round/3<sup>rd</sup> round.
- Currently on round 4. Some residents have had water tested 4 times.
- Energy Transfer advises frequency will continue until the site characterization plan is released in mid April.
- Energy Transfer has prepared a sampling and analysis plan.

# Indoor Air Monitoring

- 6 homes have been monitored in the proximity of the release.
- PADEP guidance requires a second round within 45 days.

# Action Items

- In response to requests from residents, the Township has requested that the depths of residential wells in the study area be determined.
- The frequency of street sweeping will be reduced. Sweeping frequency may increase during recovery well or monitoring well drilling.

# Tele Townhall Meeting

- Sunoco/Energy Transfer has scheduled a Tele Townhall meeting for March 27, 2025 from 7:00-8:30 p.m. Information is on the Township's website.
- Township staff will be meeting with Energy Transfer tomorrow afternoon to provide questions compiled by residents to be addressed in the Townhall.
- Please email questions to [dfennimore@earthdatane.com](mailto:dfennimore@earthdatane.com) by noon.