

An aerial photograph showing a pipeline construction site in a wooded area. The pipeline is a long, straight line of blue pipes running diagonally across the frame. The surrounding landscape is a mix of green grass, brown dirt, and trees with autumn foliage in shades of orange, yellow, and red. The pipeline is supported by a series of concrete pillars. In the lower-left corner, there are some construction materials and equipment.

The Pipelines Are Here

What can we do?

Immensity of Pipelines

- Pipelines are needed to carry gas from drilled wells to transmission lines
- Only 7% of the projected 60,000 wells in PA have been drilled
- Estimated 10,000 – 25,000 miles of new natural gas pipeline will be constructed (enough to circle the globe at the equator)

Types of Pipelines

- Gathering lines take natural gas from wells to transmission lines
- Transmission lines carry the gas to market and are often interstate
- Distribution lines bring natural gas to places where it will be used, such as homes, gas service stations, businesses

Laying of Pipeline

- Size: 24 – 42 inches in diameter
- Depth: 3' – 6' in the ground
- Access: 30 – 60 ft right of way
- Pressure: up to 1,440 lbs per inch
inch



Heavy Equipment Required



Stream Crossings

- In our area, stream crossings are particularly prevalent and pose great risks.





Where Are Pipes Going?

- Everywhere and anywhere
- Connect the dots between well sites
- Power of eminent domain
- Right of way, 30 – 60 ft, is permanent; nothing can be planted there with the exception of grass and perhaps some crops.



Oil and Gas Recovery District
of the
Municipality of Murrysville
Westmoreland County, Pennsylvania



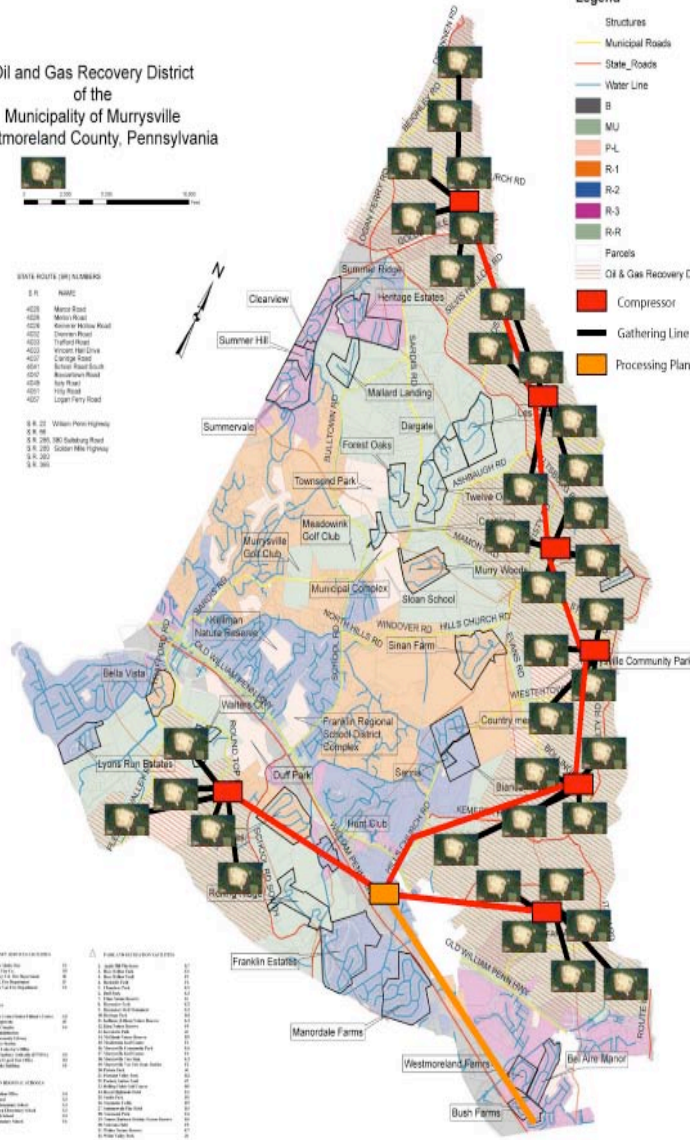
SIXTH SQUARE (S) LOTS NUMBERS

| S # | NAME |
|----------|---------------------|
| 4220 | Maria Road |
| 4224 | Maria Road |
| 4228 | Walter & Maria Road |
| 4232 | Dorner Road |
| 4236 | Triford Road |
| 4240 | Triford Road |
| 4244 | Carriage Road |
| 4248 | Belmont Road South |
| 4252 | Belmont Road |
| 4256 | High Road |
| 4260 | Logan Ferry Road |
| S.R. 22 | Wilson Penn Highway |
| S.R. 98 | |
| S.R. 295 | 180 Sawbury Road |
| S.R. 202 | Golden Mile Highway |
| S.R. 203 | |
| S.R. 364 | |



Legend

- Structures
- Municipal Roads
- State Roads
- Water Line
- B
- MU
- P-L
- R-1
- R-2
- R-3
- R-R
- Parcels
- Oil & Gas Recovery District
- Compressor
- Gathering Line
- Processing Plant



UNIMPROVED AREAS (U) LOTS NUMBERS

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AREAS UNDER DEVELOPMENT (A) LOTS NUMBERS

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Regulation?

- PHMSA, Pipeline and Hazardous Materials Safety Administration, regulates interstate transmission lines.
- FERC, Federal Energy Regulatory Commission regulates gas transportation rates, pipeline capacity, pipeline siting and natural gas quality requirements.
- PUC, Public Utility Commission, handles 46,000 miles of lines owned by utility companies.
- State environmental protection agencies are supposed to regulate construction of pipelines

Reasons for Concern

- PA regulators do not handle the large diameter, high pressured pipelines being constructed from wells to transmission lines
- No central record of where gathering lines are being laid or will be going
- Wave of construction caught PA safety regulators unprepared
- Rural areas, classified as Class I, no safety rules apply

How Can This Be?

- Gas/oil lobby has for years had extraordinary power in PA & US legislature
- Past attempts to regulate have failed; industry says gathering lines cause fewer problems and should not be regulated
- Bud Shuster, chair of subcommittee with oversight of pipelines; “If it’s not broke, why fix it?”
- Safety hinges on industry self-policing.

Shoddy welds, insufficient coating on pipes, substandard steel – what independent inspectors found



Problems with Industry Self- Policing

- “A bunch of bad things are going to happen in the next 10 Or 15 years,” Don Deaver, a former pipeline engineer from Texas
- “Inferior construction practices mean pipelines that should last 70 yrs might last 10-20 yrs,” Danny Hendrix, Local 798’s pipefitters union, business manager
- Accidents go unreported and uninvestigated

Risk of Explosions

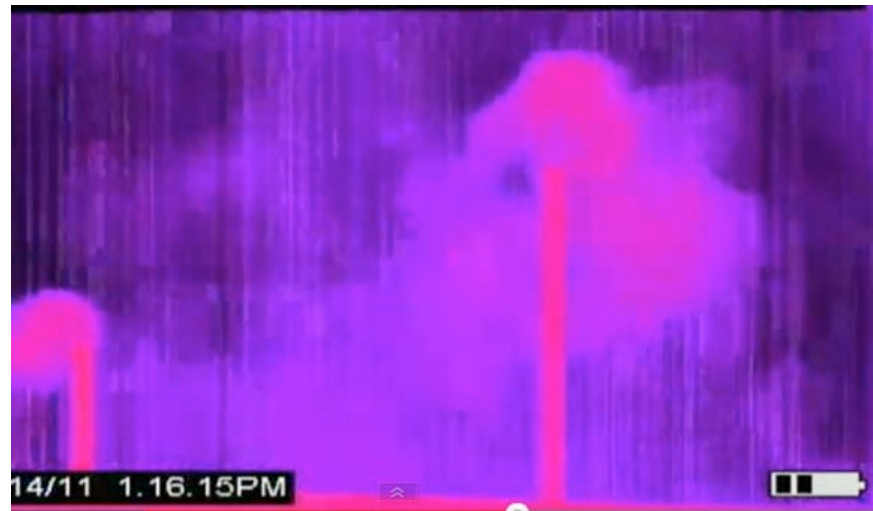


Problems

- Hundreds of miles of high pressure gathering pipelines have been installed in shalefields already with no government safety checks
- Classification of gathering lines (unregulated) & transmission lines (regulated) is left up to the industry
- Even regulated lines are dependent on thinly staffed agencies.

Compression Stations

- Expansion of pipes means more compressor stations, which emit carcinogenic & neurotoxin compounds, VOCs and nitrogen oxide
- Health risks with compression stations



Other Problems

- New shale lines not included in One Call system to prevent digging accidents from buried pipelines
- Have not kept track of gathering lines in shale fields or where new ones will go

More Problems

- Right of ways require use of chemicals to keep down new growth to maintain access to pipeline, further endangering health and ecology.
- Contamination of farmland from increased soil acidity around pipelines
- Much of pipeline expansion is in **rural PA**, where gathering lines are subjected to NO REGULATION & NO SAFETY INSPECTIONS

What Will Our Response Be?



Or In Honor of the Fighting Irish . . .



We Fight Back

- Transform anger into action
- Call and visit politicians about this issue
- Call and e-mail your representatives during a crucial vote (be on alert for pipeline legislation)
- Demand that municipal leaders in your township or borough join those who are challenging Act 13
- Come to the rally in Pgh on March 20th
- Educate others about no safety inspections or regulations of gathering pipelines in rural PA & the risks of explosions and health dangers.

Recommended Reads/Views

- Philadelphia Inquirer series *Battle Lines*

http://www.philly.com/philly/news/special_packages/inquirer/marcellus-shale/134705168.html

- AP article *Landowners fight eminent domain in Pa. gas field*

<http://www.foxnews.com/us/2012/01/31/landowners-fight-eminent-domain-in-pa-gas-field/>

- Youtube *Double Secret Hop Bottom Compressor Tour*

<http://www.youtube.com/watch?v=Ww2Dpw7dEHQ&feature=youtu.be>