

Dear Medina County Resident,

This is an URGENT REQUEST!

Due to the construction of the NEXUS pipeline and (Wadsworth) compressor station (8707 Guilford Road), baseline air monitoring has begun so that data can be analyzed showing what effect the transport of the toxic fracked natural gas may pose to residents of Medina County. This is an important step in case there is a need to demand that modifications be made to mitigate any damages that may occur. Measurements of the amount of particulates in the air (hour by hour), and what these particulates consist of, as well as health assessments on residents who live within close proximity to the compressor station will be done. The data will be analyzed by an experienced non-profit group which consists of physicians, technicians and environmental scientists, the SW Pennsylvania Environmental Health Project (SWPA EHP.) To review their work: [www.environmentalhealthproject.org](http://www.environmentalhealthproject.org)

The emissions from the compressor facility will mostly be invisible to the naked eye, but the health of residents may be at risk. The main point of the monitoring project is to protect the health of Medina County residents. Studies done by SW PA EHP in neighborhoods surrounding natural (toxic fracked) gas pipeline compressor stations in New York, West Virginia, Pennsylvania, and Connecticut have shown that these compressor stations do pollute the air and have posed serious health problems to residents. The information obtained from the air monitoring analysis will be important information that residents will need to share with their physicians should any health related symptoms occur - just as occupational exposures are relevant. It will also be important that residents know what to do to lessen their personal exposure.

As you may have heard, even though the Medina County Commissioners will be receiving nearly \$350,000 from NEXUS for an easement agreement, they have rejected any request to pay for any air monitoring testing. They believe that the Akron Regional Air Quality Management District does base line air monitoring testing and health assessments, but this is not the case and their representative stated that at a recent meeting of the County Commissioners. As a matter of fact, the Ohio EPA admitted during their public hearing in Medina County that they would not test the air, but instead they would let NEXUS self report. Experts testifying at the Ohio EPA public meeting also testified that health effects associated with natural gas compressor stations do increase the risk for most major categories of human disease, especially where they are sited.

Please know that 100% of your donation will help to cover the costs of air monitors, health assessments, and data analysis for residents living near the compressor station. (There are no administrative costs.) Sustainable Medina County, an all volunteer organization composed of residents just like you, are concerned that elected officials are unwilling to help, so they are trying to raise enough money to pay for the baseline monitoring and also for monitoring after the compressor station is in operation as well as for the health analysis. THIS WORK CANNOT BE DONE WITHOUT YOUR DONATIONS. The total cost for the pre and post testing is \$19,000.

The NEXUS pipeline will go through the following Ohio counties: Columbiana, Carroll, Stark, Wayne, Summit, Medina, Lorain, Erie, Sandusky, Lucas and Fulton on its way through Michigan to Canada for export overseas.

You can help by supporting this URGENT cause!

Please make your check payable to:

**Sustainable Medina County-Monitoring**

and mail it to:

**Sustainable Medina County**

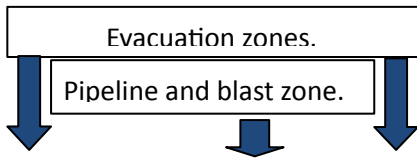
**PO Box 1033**

**Wadsworth, OH 44282**

Thank you! This matters to all of us!

# Nexus pipeline

**Compressor Station: Guilford Township (Dot in center).  
Each concentric circle signifies 1 mile distance (up to 5 miles from it.)**



| <b>Potential health effects due to inhalation of low-level environmental air contaminants generated by unconventional natural gas development (UNGD) related activities</b> |  |  |  |
|---|--|--|--|
| <b>Chemical</b>   | <b>Sources**</b>   | <b>Short term Exposures, Acute Health Symptoms</b>   | <b>Long term Exposures, Chronic Health Effects</b>   |
| <b>Volatile Organic Chemicals (VOC's)</b>   | Well pads<br>Compressor Stations<br>Processing Facilities                        | Varies with individual chemical. See following examples: Benzene, Ethyl Benzene, Toluene, Xylene                         | Varies with individual chemical. See following examples  |
| <b>Benzene*</b>   | Same as above  | Headache, dizziness  | Aplastic anemia, leukemia  |
| <b>Ethyl benzene*</b>   | Same as above  | Eye and throat irritation  | Possible carcinogen  |
| <b>Toluene*</b>   | Same as above  | Headaches, sleepiness, confusion   | Possible permanent neurological problems   |
| <b>Xylenes*</b>   | Same as above  | Eye, nose, throat, and skin irritation   | Possible permanent neurological effects  |
| <b>Methylene Chloride</b>   | Well pads  | Decreased attentiveness and decreased hand-eye coordination  | Cancer   |
| <b>Formaldehyde</b>   | Well pads<br>Compressor Stations<br>Processing Facilities                        | Nose and eye irritation, impaired short term memory, asthma attacks  | Asthma, eczema, nasal and throat cancer  |
| <b>Diesel Exhaust (contains VOC's &amp; PM2.5)</b>  | Well pads<br>Compressor Stations<br>Truck traffic                                | Eye, nose, throat and lung irritation. Headaches, dizziness, nausea  | Worsening respiratory disease, lung cancer   |
| <b>Hydrogen sulfide</b>   | Well pad   | Eye, nose, and throat irritation. Asthma attacks   | Eye, nose, and throat irritation. Worsening asthma   |
| <b>Polycyclic Aromatic Hydrocarbons</b>   | Well pads<br>Compressor Stations<br>Processing Facilities                        | Eye and skin irritation, asthma attacks, acute cardiac events, adverse effects on developing fetus                       | Contribute to the development or worsening of pulmonary or cardiac disease. Lung, skin, bladder cancer         |
| <b>Particulate Matter 2.5 (PM2.5)</b>   | Well pads<br>Compressor Stations<br>Processing Facilities                        | Asthma attacks, acute bronchitis, heart attacks in individuals with cardiac disease                                      | Reduced lung function, chronic bronchitis  |
| <b>Ozone</b>  | Created by chemical reactions between NOx and VOC'S in the presence of sunlight. | Chest pain, coughing, throat irritation, congestion. Increased symptoms in bronchitis, emphysema, and asthma             | Contributes to development of chronic lung disease and worsens pre-existing bronchitis, emphysema, and asthma. |
| <b>Radon</b>  | Naturally occurring in shale. Contained in produced gas                          | None   | Lung cancer  |
| <b>Carbon monoxide (CO)</b>   | Well pads<br>Compressor Stations<br>Processing Facilities                        | Decreased exercise tolerance, decreased vigilance, increased risk for cardiac ischemia in individuals with heart disease | Decreased exercise tolerance, decreased vigilance, increased risk cardiac ischemia                             |
| <b>Nitrogen oxides (NOx)</b>  | Well pads<br>Compressor Stations<br>Processing Facilities                        | Respiratory symptoms, worsening asthma   | Respiratory disease, worsening heart disease   |