Fracking the Marcellus: Will PA Be Safe or Sorry?

Deep Drilling, Deep Pockets

Pennsylvania is one of only eleven states that do not limit on the amount of money that individuals can give to candidates for public office.

The natural gas industry gave over $2.85 million to political candidates in Pennsylvania between 2001 and March 2010, and it has spent $4.2 million on lobbying since Pennsylvania began requiring lobbyist reporting in 2007.

Governor Tom Corbett received over $1,500,000 in campaign contributions from natural gas drilling companies.

Corbett plans to re-open state land to new drilling, increasing drilling on public land from 25 active wells to 10,000 active wells.

Health and Environmental Experts Urge:
Follow the Precautionary Principle on Natural Gas from the Marcellus Shale

Since 2007, Pennsylvania has witnessed a dramatic increase in unconventional development of natural gas from the Marcellus shale formation using high-volume hydraulic fracturing, also called “fracking” or “fracing”. Hydraulic fracturing uses known toxins and carcinogens in fracturing fluids, and produces heavy metals and other solid and liquid wastes. According to the Pennsylvania Department of Environmental Protection, 1,253 permit violations occurred between January 2008 and December 2010 during the drilling of only about 2,000 wells. Contamination of soil, air, and ground water from the large volumes of fluids and wastes used and produced by unconventional gas development represents a clear health hazard to millions in Pennsylvania and surrounding states. Last year alone, 711 million gallons of inadequately treated toxic wastewater were dumped into rivers and streams. While benefits from the Marcellus Shale may go to those in other states, the health and environmental costs are borne by local residents and ecosystems.

We call upon the government, public and private sector to make necessary investments for research into possible sustainable technology for extracting natural gas. We must take decisive action to protect the health of the people of Pennsylvania and the natural environment of the Commonwealth. When faced with risks of this magnitude, it is imperative to follow the Precautionary Principle: “Where an activity raises threats of harm to the environment or human health, precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically. In this context the proponent of an activity, rather than the public, bears the burden of proof.” We strongly urge you to impose a moratorium on shale fracturing for gas extraction until the following steps have been completed:

- Public disclosure of all chemicals and wastes including quantities used, produced, and stored at every site;
- Completion and publication of the EPA study regarding the safety and health impacts of unconventional gas development using high-volume fracturing;
- Completion and publication of an independent cumulative impacts study of unconventional gas development in the Marcellus region; and
- The enactment and strict enforcement of regulations based on the completed studies, sufficient to protect people’s health and the environment, including plans for ecosystem restoration.

Effective this statement is on an individual basis. Academic affiliations are listed for identification purposes only.

Patricia T. Brazil, Environmental Science, Muhlenberg College
John A. Caplan, Biology, Cedar Crest College
Joseph C. Celone, Natural Sciences
Cherryn Cornin, Biology & Public Health, Muhlenberg College
Dru Germanoski, Geology, Lafayette College
Doug Hecht, Geography & Geology, Northampton Community College
Breona Holland, Environmental Initiative, Lehigh University
Dane House, Biology, Moravian College
Kenneth P. Kozlowski, Earth & Environmental Sciences, Lehigh University
Judith N. Lasker, Health, Medicine, & Society Program, Lehigh University
Jon Lose, Biology, Northampton Community College
Susan Madsen-Chaffins, Family Nurse Practitioner
Jesse Miller, Environmental Science & Ecotourism, American University
Manuel Ospina-Giraldo, Biology, Lafayette College
Joseph Pauletti, Physics, Moravian College
Frank Perez, Earth & Environmental Science, Lehigh University
Jean Ramage, Earth & Environmental Science, Lehigh University
Dork Sabagian, Earth & Environmental Science, Lehigh University
Anne SamGupta, Civil & Environmental Engineering, Lehigh University
Anita Erdos Shoup, Environmental Science, Northampton CC
Evel Ushacki, Mechanical Engineering, Lafayette College
Albert H. Wurfb, Environmental Initiative, Lehigh University

The Alliance has taken a strong position against fracking. For more information, please go to our website www.sustain lv.org