

ACS-Energy Technology Group Monthly Meeting

Wednesday November 9, 2016

Unconventional Natural Gas Development in Pennsylvania –

Health, Environment and Safety Perspective

Doug Mehan, Director of HES

PennEnergy Resources, LLC.

According to the Pennsylvania Department of Environmental Protection, there are over 9,000 unconventional natural gas wells that have been drilled in Pennsylvania, mostly in the past 5 years. While the industry and state regulations have been able to adjust given the dynamics of this rapid development, there appears to be widespread anxiety and a general lack of understanding by the public regarding the controls maintained by regulators and drillers in this sector, primarily with the purpose in mind to protect human health and to mitigate possible environmental impacts. This photographic presentation will outline and focus on, in a step-by-step fashion, the sequencing of operations necessary for the safe development and extraction of natural gas and liquids from shales in Western Pennsylvania.

Doug Mehan is a Certified Safety Professional and Pennsylvania Professional Geologist with 30 years experience in Geology, and the Health, Safety, and Environmental field. During his professional career, he has worked throughout the United States and overseas in the oil and gas industry, environmental consulting, water resources and manufacturing industries. He chairs the Marcellus Shale Coalition's (MSC) Health & Safety Committee, is a past chairman of the Pennsylvania Independent Oil & Gas Association (PIOGA) Safety Committee and has served on municipal and environmental boards in northwestern Pennsylvania for the past 15 years. He has been an invited speaker on natural gas operations including the hydraulic fracturing process, fluids management and chemistry, and safety & emergency response at various industry-related and public venues. Mr. Mehan is currently the Director of HES for the natural gas producer, PennEnergy Resources LLC, where he is tasked with regulatory compliance and the development of the company's safety and environmental initiatives in the northern Appalachian Basin.

The meeting location is Old Town Buffet, 860 Sawmill Run Rd. Pittsburgh, PA. 15226

Just south of the south end of the Liberty Tunnel.

Social Hour 5:30 pm, Dinner 6:30 pm, Talk 7:30 pm.

Please make a reservation by contacting Elliott Bergman at elliott.acstechnology@gmail.com by 5:00 P.M. on Nov.7, 2016.

This will allow us to arrange for an appropriately sized meeting room. **Walk-Ins are still welcome. Our meetings are open to all.** Menu includes the All You Can Eat Buffet at a cost of \$20 per person. Wine can be ordered as an extra directly thru the wait staff.