Personal Protection Equipment in Midstream Services

Explosiveness of Natural Gas

- April 17th, 2017
- A house exploded due to a build up of natural gas around the foundation.
- A 1” natural gas pipeline was cut when the house was being built.
- 2 people dead and 1 severely injured.
- Anadarko facing lawsuits.
Other Statistics

• The Pipeline and Hazardous Materials Safety Administration (PHMSA) classifies midstream incidents into 3 categories:
  – Gas Transmission and Gathering: Taking natural Gas from the Well to the Midstream Infrastructure.
    • From 2010 -2014: 486 incidents, resulting in 10 fatalities, 71 injuries, and $620 Million in property damage.
  – Oil and Hazardous Liquids: All materials other than natural gas.
    • From 2010-2014 there were 1,511 incidents, 6 deaths, 15 injuries, and $1.8 Billion in property damage.
  – Gas Distribution: Pipelines used by utilities to get natural gas to consumers.
    • From 2010-2014 there were 455 incidents, 42 deaths, 183 injuries, and $86 Million in Property Damage
• Totals from 2010-2014: 2452 incidents, 58 Fatalities, 269 injuries, and $2.3 Billion in Property Damage.

https://www.fractracker.org/2014/04/pipeline-incidents/

Required PPE

• Hard Hat
• Safety Glasses
• Steel Toe Boots
• Flame Resistant/Retardant Clothing
• Ear Plugs (For Gas Compressors and Blow Down)
• 4 Gas Monitor – Combustibles (LEL), Oxygen, Hydrogen Sulfide, and Carbon Monoxide