

## Precision Excavating: The What and Whys of Vacuum Excavation

Ben Schmitt & Ron Spoerl Session #T35

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## Why are We Here?

# 1 dead, several severely burned after Shelby County gas line explosion

However, at 10.45 p.m., pipeline operator Colonial reported that five were injured and one fatality was discovered at the scene of the accident. Pipeline operator Colonial said the contractors (experienced an incident when the trackhoe it was using hit the

"Typically we don't see external damage to a pipeline from ground-level activity, whether it's human or weather-related, except for some third party striking the pipeline with a piece of excavation equipment, "Brigham McCown, former administrator of the referent Pipeline and Hazardous Materials Safety Administrator told AL.com last month.

"That's now the leading cause of pipeline spills and accidents."

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## Introduction

Ben Schmitt
 Vactor Manufacturing Product Manager

• Ron Spoerl

• Hawk Construction LLC



March 7-11, 2017 | Las Vegas, USA | www.comspoc

#### **What is Vacuum Excavation?**

- Non-Mechanical
- Non-Destructive
- Safely Visually Locate
- Precise Excavation

• Minimally Disruptive



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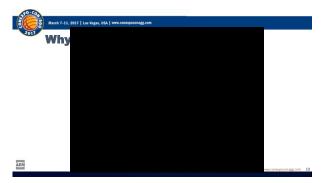
#### **Is Vacuum Excavation New?**

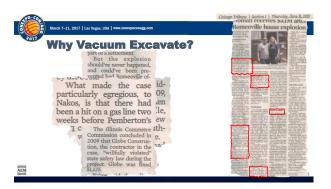


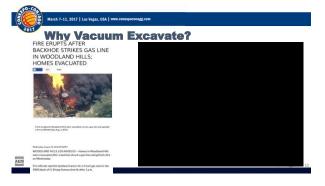


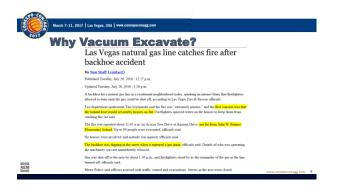
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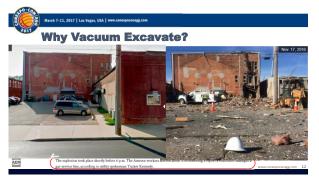
























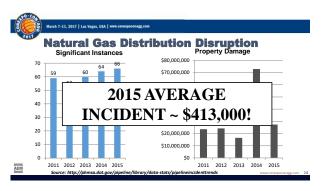






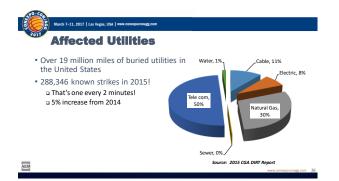




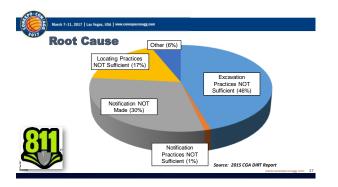




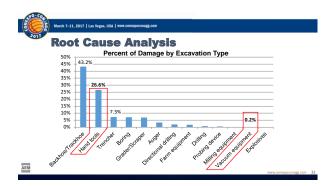














- Can Dig in Virtually All Soils
- Can Dig in Frozen and Hard Soils
- Water is a Lubricant
- Eliminates Sandblasting Effect
- Eliminates Fugitive Silica Dusts
- Reduces Static Hazard
- Varied Water Pressure and Flow
- Can be used for Alternate Applications
- Highly Productive in Virtually all Soil



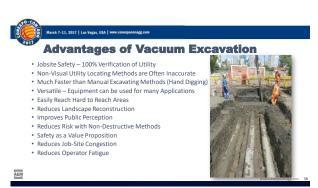


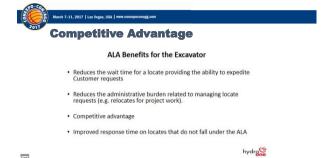


- Non-Conductive
- Lighter Weight Unit
- Faster Excavation in Loose Soil
- Dry Spoils for Backfill
- Drought Proof



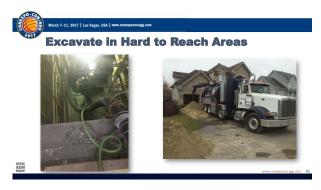




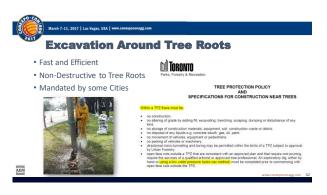






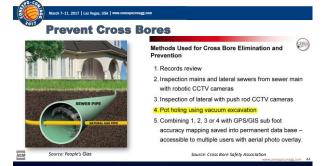






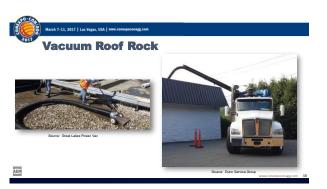


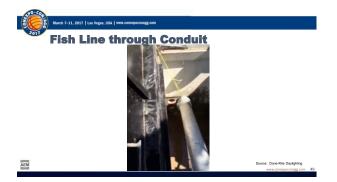










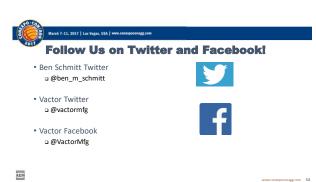




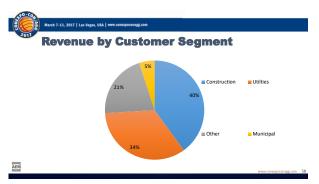


























- □ Replace Railroad ies □ Utility Trenching
- □ Utility Locating
- □ Switch Cleaning
- □ Spill Clean-up



**Environmental/Industrial Applications** • Environmental and Industrial □ Power Plants □ Catch Basins ☐ Grading and Excavating □ Culverts – Bridge Cleanouts Department of Transportation





















## **Hawk's Accomplishments**

- 2007 WISDOT New and up and coming DBE Firm u Wisconsin Department of Transportation
- 2007 WUCA Safety Award for outstanding performance u Wisconsin Underground Contractors Association
- 2006 WISDOT The Secretary's Golden Shovel Award
- 2006 WUCA Safety Award for outstanding performance
- 2005 Business of the Year Award American Indian Chamber of
- 2005 WUCA Safety Award for outstanding performance
- 2004 WUCA Safety Award for outstanding performance





#### **Crock Installation**









### **Hydro Future Expansion**

- New Hawk Centers:
  - □ Zion, IL Completed in 2016
  - □ Manteno, IL Completed in 2016
  - □ Joliet, IL Completed in 2017
  - □ Madison, WI Coming in 2018
  - □ Fox Valley, IL- Coming in 2018 □ West Coast – Target Fall 2018
  - Looking for New Partners
     East Coast Target Fall 2019
     Looking for New Partners





#### **Hawk's Reputation**

- Quality Employees
  - □ Extensive training through "Hawk University" Quarterly, ongoing education
  - □ Astute understanding of Customer Needs
  - □ Employment Longevity
  - Superior Quality of Work
  - □ Impressive Work Ethic
  - □ Topnotch Customer Service
  - Quick Thinking Problem solving





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