

KEYHOLE PROGRAM MEETING & DEMOS

Location: Spring Meeting | April 2 - 3, 2014
 Questar Gas | 2365 W 900 S | Salt Lake City, UT 84119

Spring 2014 Meeting Agenda – April 2nd & 3rd

Wednesday, April 2nd

- 7:30 am – 8:00 am **Coffee and rolls**
- 8:00 am – 8:45 am **Welcome and Introductions**
- Review Antitrust Compliance
 - Self- introductions, recognize any guests
 - Review meeting agenda and solicit additional items to add to agenda
 - Circulate roster; update members' contact information
- 8:45 am – 9:00 am **Keyhole Program Overview**
- GTI Keyhole Program Initiatives
 - Review and status update of program goals
- 9:00 am – 10:15 am **Trenchless Guidelines Best Practices**
- Review recent incidents and discuss (NJ, St. Louis, KC, Royal Oak)
 - Trenchless/Vacuum Manufacturers Perspective
 - Ditch Witch presentation
 - Others
 - Review of Ontario/CGA Best Practice Development
 - Gaps/Next Steps
 - Identify Team
- ACTION ITEM FOR ALL – Attendees to bring to meeting information on current trenchless practices/procedures (company specific and/or State and Local dig laws)**
- 10:15 am – 10:30 Break
- 10:30 am – 11:30 **Training and Education**
- GTI training pilot – mobile training/reference platform
 - Planning for what's next - Training
 - Various audiences
 - Training topics
 - Types of training needed
 - Training operators / contract crews
 - Train the trainer
- 11:30 – 12:00 **Residual Gas Removal**
- Overview of OTD project related to gas removal
 - Questar – Vactron
 - Tim Sheehan to discuss Questar's efforts with Vactron

- Tellus Underground gas removal system

12:00 pm - 1:00pm **Lunch**

1:00 pm – 1:45 pm **GPS/GIS Efforts**

- Tren Giles from Questar will present and discuss mapping process using sub-meter GPS.
- Google Mapping/tracking of excavations and restored pavement

1:45 pm – 2:00 pm **Break**

2:00 pm – 5:00 pm **Manufacturer Demos/Presentations**

- Tracto Technik / TT Technologies Keyhole Drilling machine update
- TT Technologies - 2" IPS & ½" CTS PE pipe splitting
- Vactor Vacuum Excavator (presentation and demo)
- Tellus pot-holing/daylighting vacuum excavation system
- Coring – Utilicor various units (presentation/video)
- Jameson – update on locating and new lighting technology
- Kravitch tooling

Utility and International Keyhole update

5:00pm **Adjourn Day 1 Meeting**

6:00 pm – 9:00 pm **Group Dinner: Squatters Pub**
147 W Broadway
Salt Lake City, UT, 84101
(801) 363-2739

Thursday, November 14th

7:30 am – 8:00 am **Coffee and rolls**

8:00 am – 9:00 am **Utility only** roundtable discussions (select presentations based on requests)

9:00 am – 9:30 am **All attendees – Review day 1 discussion topics and Utility only discussions**

10:00 am – 10:30 am **Coating and Wrapping in Keyholes**

- Review of latest coating and wrapping evaluations
 - Expandable Foam – GTI testing updates

- Discussion of future needs

10:30 am – 10:45 am **Break**

11:00 am – 11:30 am **Group Roundtable**

- Issues and needs
- Recent/current efforts
- Identify action items
- Any R&D needs outside of Keyhole
- Identification of Needs (each attendee to submit 3 needs/issues)

11:30 am – noon

Soil Compaction in Keyhole and Traditional Excavations

MBW Soil Compaction Supervisor

- Review current OTD project
- Discuss needs/issues

12:00 - 1:00 pm

Box Lunch

1:00 pm – 1:30 pm

Jurisdictional Approval

- Review Municipality support of keyhole
- GIROW update
- Other recent acceptance wins or issues?
- Discuss efforts by others (utilities)
- Needs / issues?

1:30 pm – 2:00 pm

Keyhole and Contractors

- Discuss the latest success and issues with utility contractors implementing keyhole coring
- AGA / DCA Utility Contractor Management on April 29-30 in Chicago
- AGA keyhole Presentation – May Ops Conference

2:00 – 2:30 pm

Review Identified Needs and Prioritize

- Review the individual needs submitted by the attendees
- Identify future priorities for Keyhole Group based on needs identified

Next meeting planning

2:30 pm

Adjourn - THANK YOU!