Panel 2: Hazardous Liquid Pipeline Leak Detection System Capabilities and Research

Improving Pipeline Leak Detection System Effectiveness

High Level Agenda for Panel 2

- Hazardous Liquid (HL) Leak Detection Systems Subject Matter Expert #1
- HL Leak Detection Systems (LDS) Subject Matter Expert #2
- HL Leak Detection Systems Subject Matter Expert #3
- Technology Research for HL Leak Detection Systems #1
- Technology Research for HL Leak Detection Systems #2

What Will Presentation Content Reflect?

HL LDS SME Panelists – Nationally or internationally recognized SMEs for leak detection technology and systems or leaders within the LDS vendor community will provide a perspective of current system capabilities. No sales pitches will be tolerated. Presenters will need to discuss the considerations shown below

1. What are some of the latest systems for hazardous liquid pipelines now and on the horizon and how do they operate?
2. How can an operator factor layers of redundancy into an overall leak detection strategy?
3. What are the CAPEX/OPEX costs with installing/maintaining systems on existing vs new pipelines?
4. How should false positives/negatives addressed with LDS?
5. How do human factor issues impact leak detection performance?
6. How do external/environmental and operating conditions (i.e. temperature, pressure differentials and time lag) impact technology or system performance?
7. Have there been new advances in technology from research? Can you identify any technology gaps?

LDS Technology Research – This panel agenda item should overview what is now underway in R&D that the public should be aware of and how it is an improvement to current systems. Technology gaps that still persist should be identified. Private organizations funding this type of research will be the presenters.

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