

Panel 1: Valve Considerations for Hazardous Liquid Pipelines

Understanding the Application of Automatic/Remote Control Valves

High Level Agenda for Panel 1

- PHMSA National Perspective for Hazardous Liquid (HL) Systems
- *Placeholder*: 2nd Regulatory Perspective
- Hazardous Liquid Pipelines National Perspective
- Individual HL Operator Perspective #1
- Individual HL Operator Perspective #2

What Will Presentation Content Reflect?

Regulatory Perspectives – Will set the regulatory expectations based on the current requirements. Data will be presented illustrating the recent record of the industry and will identify areas where improvements can be made. The presentations will also identify the recent direction provided by Congress and how this event will assist in addressing a wide range of goals.

National HL Industry Perspective – The National Perspective will provide a broad overview of the industry's position for utilizing Automatically, Remotely or Manually Controlled Valves. This should briefly discuss the issues identified in the considerations shown below.

1. Do you know how many Emergency Flow Restricting Devices (EFRD) or ACVs are in use Nationwide? #s or %? Can you identify areas where these would be commonly utilized?
2. What has been the experience since implementing the HL IMP rule EFRD requirements? Identify any notable considerations.
3. What are the CAPEX/OPEX costs with installing/maintaining (ACV/RCV/MCV) valves on existing vs. new pipelines?
4. How do external environmental and internal operating conditions impact valve (ACV/RCV/MCV) performance?
5. Do valves leak? Does installing more valves create additional leak paths or improve drain down times?
6. Is there a concern for increased risk of valve installation/facility security or equipment tampering?
7. Is there a concern from inadvertent operation of automatic valves? What has been the frequency for inadvertent closure?

Individual Company Perspectives – Should specifically address the considerations shown below.

1. What has been the experience since implementing the HL IMP rule EFRD requirements? Identify any notable considerations.
2. Can you paint some scenarios for the audience? These need to be supported by facts.
 - a. Why and where do you install valves along a HL pipeline?
 - b. How do you decide if you should use SCADA along with your valve choice?

- c. How does actuate time (any valve type) impact your choice of valve?
- d. How should transportation congestion impact your strategy for valve actuation times over time? Do you reevaluate?
- e. What are the CAPEX/OPEX costs with installing/maintaining (ACV/RCV/MCV) valves on existing vs. new pipelines?
- f. How do environmental and operating conditions impact valve (ACV/RCV/MCV) performance?
- g. How do human factor issues impact valve performance?
- h. How does actuate times affect operator and emergency response operations? Identify pros/cons.
- i. Is there a concern from inadvertent operation of automatic valves?