The National Academies of
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TRB
TRANSPORTATION RESEARCH BOARD

PUBLIC AGENDA

Committee on Criteria for Installing Automatic and Remote-Controlled Shutoff Valves on Existing Gas and Hazardous Liquid Transmission Pipelines

Information-Gathering Meeting
April 26-27, 2022

DAY 1

500 Fifth Street NW, Washington, DC
Keck Building, Room 106
April 26, 2022 9:15 am – 5:00 pm ET

PHMSA - Introduction 9:15 am – 9:30 am
Alan Mayberry, Associate Administrator

PHMSA – Valve Rule Overview 9:30 am – 10:30 am
- Steve Nanney, Sr. Technical Advisor, Engineering & Research Division
- John Gale, Director, Standards & Rulemaking Division

(Break)

PHMSA – Q&A 10: 45 am – 11:45 am
- Joshua Johnson, Materials Engineer, Engineering & Research Division
- Steve Nanney, Sr. Technical Advisor, Engineering & Research Division
- John Gale, Director, Standards & Rulemaking Division
- Ronald Raunikar, Supervisory Accountant, Economic Research & Regulatory Analysis Division
- Blaine Keener, Director, Operations System Division

Lunch 11:45 am – 1:00 pm

DTE Energy 1:00 pm – 1:30 pm
Timothy Lajiness, Manager of Transmission Engineering

Pipeline Research Council International 1:30 pm – 2:00 pm
Thomas Marlow, Sr. Program Manager

American Gas Association 2:00 pm – 2:30 pm
Andrew Lu, Vice President, Operations and Engineering

American Petroleum Institute 2:30 pm – 3:00 pm
Mark Piazza, Senior Policy Advisor, Midstream and Industry Operations

Association of Oil Pipe Lines 3:00 pm – 3:30 pm
John Stoody, Vice President of Government & Public Relations

(Break)

TRC Companies, Inc. 3:45 pm – 4:30 pm
Mike LaMont, Vice President, Pipeline Integrity Services

Pacific Gas & Electric Company 4:30 pm – 5:00 pm
Dirk Ayala, Gas Transmission Integrity Management Engineer

Adjourn 5:00 pm

DAY 2

500 Fifth Street NW, Washington, DC
Keck Building, Room 106
April 27, 2022 9:00 am – 11:00 am ET

WKM Consultancy, LLC 9:00 am – 9:30 am
W. Kent Muhlbauer, Principal

NTSB 9:30 am – 10:30 am
Alexandria Colletti, Pipeline Accident Investigator

Accufacts Inc. 10:30 am – 11:00 am
Richard Kuprewicz, President

Adjourn to Closed Session 11:00 am

Criteria for Installing Automatic and Remote-Controlled Shutoff Valves on Existing Gas and Hazardous Liquid Transmission Pipelines

STATEMENT OF TASK

The committee will study current and potential methodologies and standards, including regulatory criteria, for deciding when an automatic shutoff valve (ASV), remote-controlled valve (RCV), or other equivalent Emergency Flow Restricting Device (EFRD) should be installed on existing gas transmission pipelines and on existing hazardous liquid pipelines in high-consequence areas, as defined in federal regulation.

The study will examine current federal regulatory requirements governing decisions about where and when to install these devices on existing pipelines, including regulatory criteria on factors to be considered and methodologies to be used for making such decisions. Consideration will be given to the treatment of public safety and environmental risks by these methodologies and the treatment of economic, technical, and operational feasibility. The study will identify and assess other potential methodologies for making such installation decisions on existing pipelines. In doing so, the committee will consider ASV, RCV, and EFRD technological capabilities; statutory and procedural limits on federal regulatory authority to require their use; relevant recommendations by the National Transportation Safety Board; and current and proposed regulatory criteria for the installation of ASVs, RCVs, and EFRDs on newly constructed and fully replaced pipelines. The study will take into account issues associated with reliance on manual control valves [i.e., manually operated valves and/or locally controlled motor operated valves], including human factors and accessibility concerns. As appropriate, recommendations will be made regarding regulatory or statutory changes that might be considered at the federal and state levels.