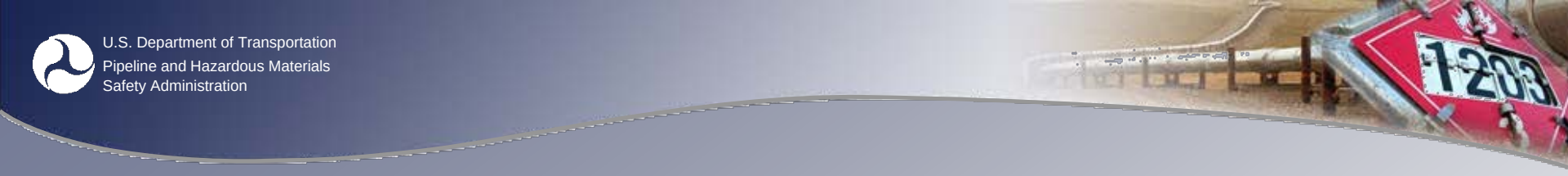
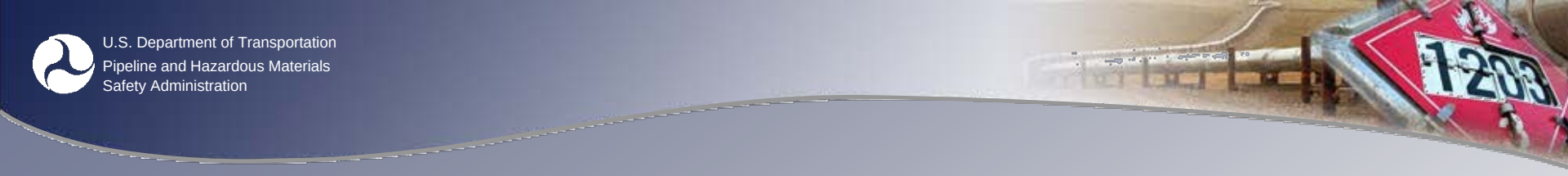
U.S. Department of Transportation
Pipeline and Hazardous Materials
Safety Administration



Leak Detection Webinar

October 5, 2012



Agenda

- ~ 9:00-9:10: Logistics, introductions, agenda overview, and purpose of today's webinar – Jeff Gilliam, PHMSA
- ~ 9:10 am to 12:00 pm: Briefing 1 - Leak Detection Study with Questions
  - Background of Study - Max Kieba, PHMSA
  - Brief of draft report – Leak Study Team (through Kiefner/Applus RTD)
  - Break at 10:30 to 10:40 am – we will begin again promptly
  - Path Forward - PHMSA
- Break
- 1pm-4pm: Briefing 2 – Valves
  - Background of Study – Pat Landon, PHMSA
  - Brief of Draft Report – Valve Study Team (through Oak Ridge National Labs)
  - Break at 2:30 to 2:40 pm – we will begin again promptly
  - Path Forward - PHMSA

Logistics – Jeff Gilliam, PHMSA

- Thank you to everyone that registered! (400+)
- Due to the large turnout, this is a view/listen only event
- Both briefings are being recorded and will be put on the website for anyone that can't attend all of the briefings or otherwise unable to view/listen today
- Comments on the webinar and both studies are preferred through the meeting website. We will respond to all comments posted via the website and will post the responses publicly.

Purpose of Today's Webinars

- The DRAFT reports of the technical studies are now available publicly for comment.
- This is only one step in the overall path to address the congressional mandates and NTSB recommendations
  - Today: Presentation of draft studies from contractors
  - Comments through the website will be taken through October 26 at noon EST
  - October 31: Final Reports from contractors based on comments

Putting the studies into context

- There are multiple aspects that go into the proper design, construction, operation, maintenance, and emergency response of pipeline systems.
- Multiple Layers of Defense, through codes and standards, are intended to prevent incidents from occurring and reduce the impact of an incident if one does occur.
- These two studies are talking about only two aspects, and only primarily the technical side of these aspects (not the regulatory side)

Additional PHMSA pieces

- Additional PHMSA pieces
  - No later than January 3, 2013 report to congress rolling in relevant aspects of studies and other considerations in the mandates that are more regulatory in nature
  - Additional, separate correspondence to NTSB to address recommendations
- We will not discuss any kind of regulatory forecasts today. Next steps on reporting and other activities will depend on output of today, consideration of comments received, and other timing and content requirements dictated by mandates.

Max Kieba Bio

- BS in Electrical Engineering from University of Pennsylvania
- With PHMSA 5+ years. Relevant work includes
  - Control Room Management Implementation Team
  - Coordination of Leak Study and other activities with Congressional Mandate Section 8
  - Coordination of NTSB Recommendations P-11-10 (SCADA Enhancement to Identify/Locate Leaks) and P-12-7 (Team Training of Control Center Staff)
- Prior to PHMSA
  - 8 years as Electrical Engineering performing R&D with wireless sensor design
  - 1 year Engineer/Consultant with an operator

Leak Study Intro

Max Kieba, PHMSA

Congressional Mandate

- Pipeline Safety, Regulatory Certainty, and Job Creation Act of 2011 **SEC. 8. LEAK DETECTION. … hazardous liquid pipeline facilities and transportation related flow lines**

  (A) an analysis of the technical limitations of current leak detection systems, including the ability of the systems to detect ruptures and small leaks that are ongoing or intermittent, and what can be done to foster development of better technologies; and

  (B) an analysis of the practicability of establishing technically, operationally, and economically feasible standards for the capability of such systems to detect leaks, and the safety benefits and adverse consequences of requiring operators to use leak detection systems.

NTSB Recommendation

- **NTSB Recommendation P-11-10**

Require that all operators of natural gas transmission and distribution pipelines equip their supervisory control and data acquisition systems with tools to assist in recognizing and pinpointing the location of leaks, including line breaks; such tools could include a real-time leak detection system and appropriately spaced flow and pressure transmitters along covered transmission lines.

Leak Study overall scope

- Set-up as a standalone study on both liquid and gas
  - Intended to help address both congressional mandate (liquids) and NTSB P-11-10 (gas)
  - Also to analyze if state of the art technologies used in natural gas systems can be applied to hazardous liquid systems and vice versa
- Study by the contractors is only analyzing and reporting out on technical, operational, and economic feasibility aspects associated with the mandate and recommendation.
- PHMSA's report to Congress will be focused on liquids, roll in relevant findings, and bring in regulatory aspects from mandate that contractors were told not to touch
- Additional correspondence to NTSB focused on gas, roll in relevant findings and bring in other initiatives to address mandate

Leak Study Presentation (switch to Contractor Presentation)

Martin Phillips, Kiefner/Applus RTD

David Shaw

Leak Study Path Forward

- Full draft report on meeting website, as well as recording from today. This is also where you go to submit comments.
  - https://primis.phmsa.dot.gov/meetings/MtgHome.mtg?mtg=80
- Comments no later than Noon Eastern October 26
- Final Report targeted for October 31

Commenting on Report

Virtual Information	**You must register to attend the web-based meeting!** Meeting URL and audio inf
On-Line Registration	Register Here...
Purpose & Summary	PHMSA is planning this web-based meeting to share the progress and status on the detection system effectiveness and understanding the application of automatic contr conducted in response to mandates from the Pipeline Safety, Regulatory Certainty, the San Bruno accident.

Results

Additional Information

Draft Final Reports are being made available here for both commissioned studies. Anyone is welcome to comment on these draft repor

- Leak_Detection_Study__DTPH56-11-D-000001_R_Draft_final_10-04-2012.pdf
- Preliminary_Draft_Valve_Study_ORNL_10-04-2012_Ver_2.pdf

(Note that the Valve Study is 24MB in size. We recommend downloading this file early or late, to avoid many simultaneous downloads

There is a separate webpage for commenting on each of the reports. If you are commenting on both, they can be done at different time **October 26, 2012**.

NOTE: Even if you registered for this webcast, you will have to provide your contact information again when commenting so that your n **publicly posted here** after the comment period.

The pages for supplying comments are as follows:

- Leak Detection Draft Report
- Automatic and Remotely Controlled Shutoff Valves on Hazardous Liquids and Natural Gas Pipelines

For questions please contact: Jeff Gilliam at jeffery.gilliam @ dot.gov

Agenda

Next Page


PHMSA
This Document
Print-Friendly
Submit Comments Here...
Meetings
Data Workshop
Leak Detection and Remote-Control Valves
Oil & Gas Interagency Stakeholder Mtg.
Current Meetings
Document Commenting
Current Documents
Navigation
PHMSA Communications
My Pages
Log In...
"Leak Detection Draft Report"
Submit Comments Here...
As presented during Pipeline Leak Detection and Automatic/Remote Controlled Shutoff Valve Studies Web-Based Briefing, PHMSA is welcoming comments to the Leak Detection DRAFT Report.
First, if you have not already done so, download and read the report: Preliminary_Draft_Valve_Study_ORNL_10-04-2012_Ver_2.pdf
Then, if you want to submit comments, return here and use the Submit Comments Here... link (above).
If your comments are many, you may want to draft them offline, so you don't encounter a timeout on the website.
Note the comment period end date (at right).
General Information
Commenting Status Open
Comment Period Start Oct 4, 2012
Comment Period End Oct 26, 2012
Submit Comments Here...
PHMSA Home | Pipeline Safety Website | Feedback | Privacy Policy | FOIA

PHMSA

Document Comment Form

Document Title:
Leak Detection Draft Report

Last Name: Enter 'Anonymous' if you want nobody to know the origin of the comment.

First and/or Middle Name: Leave blank for completely Anonymous comments.

Organization: Optional. Leave blank for completely Anonymous comments.

Your Position or Title:

Email Address: Optional. See Privacy Policy link below.

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Comments on Document(s): Comments entered here may be summarized and shared with interested parties.

Additional Internal Comments: Comments entered here will used by team members only and not shared.

Submit Comments | Cancel

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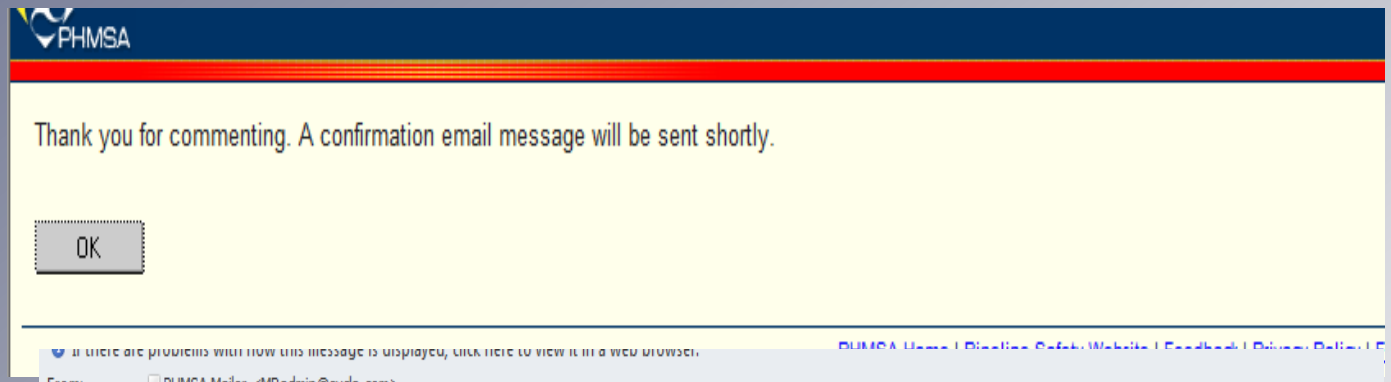

From: PHMSA Mailer <MRadmin@cycla.com>
To: Kieba, Max (PHMSA)
Cc: maryl@cycla.com; randy.noc@cycla.com; Kieba, Max (PHMSA)
Subject: PHMSA Document Comment (8) KiebaTest, MaxTest

PHMSA Document Commenting: Original Confirmation

Document Information	
Document	Leak Detection Draft Report
Document Link	https://primis.phmsa.dot.gov/meetings/Doc8.mtg
Commenter Information	
Commenter Name	MaxTest KiebaTest
Organization	US DOT PHMSA
Phone	
Comments	*Test Comment.*
Internal Comments	*Test Internal to see how this work.*
Link to Your Comments	
Updates	https://primis.phmsa.dot.gov/meetings/CmtForm.mtg?key=47d9506ab2bc4c5abddd14865f47a7be&rgs=11576 *Above link is for updating this person's comments only!*