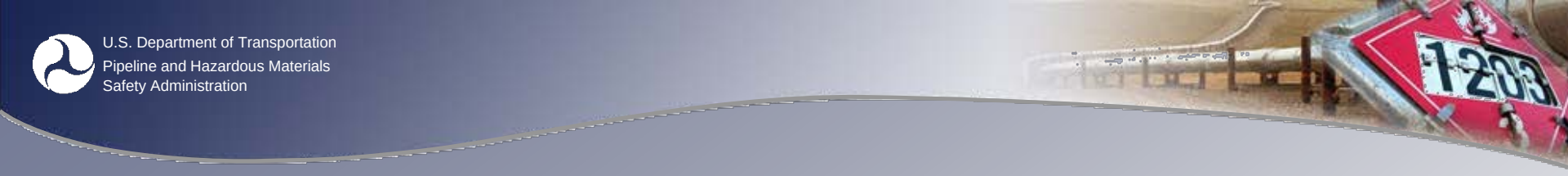
Valve Webinar

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.

Valve Study Intro

Pat Landon, PHMSA

Patrick Landon Bio

- Patrick Landon joined PHMSA in May 2011.
- Patrick has worked on LNG facility technical reviews, special permits, ANPRMs and NPRMs, and as the Technical Task Inspector for the Valve Study.
- Prior to joining PHMSA Patrick worked six years at a natural gas storage and transmission operator as a pipeline engineer.
- Patrick served in the US Navy within the Naval Nuclear Propulsion Program and served aboard the aircraft carrier USS Theodore Roosevelt.
- Patrick is a licensed PE in the state of Virginia.

Congressional Mandate

- **Pipeline Safety, Regulatory Certainty, and Job Creation Act of 2011, Section 4**:
  - Requires that the Secretary mandate, by regulation, that ASV/RCV be installed on newly constructed or entirely replaced natural gas and hazardous liquid transmission pipelines 2 years after the act was issued
  - Requires the GAO to conduct a study on the ability of transmission pipeline facility operators to respond to a release from a pipeline segment located in a high-consequence area. Focus of the study will be on the swiftness of leak detection and pipeline shutdown capabilities, the location of the nearest response personnel, and the costs, risks, and benefits of installing automatic and remote-controlled shut-off valves. This report is due one year after the act was issued.

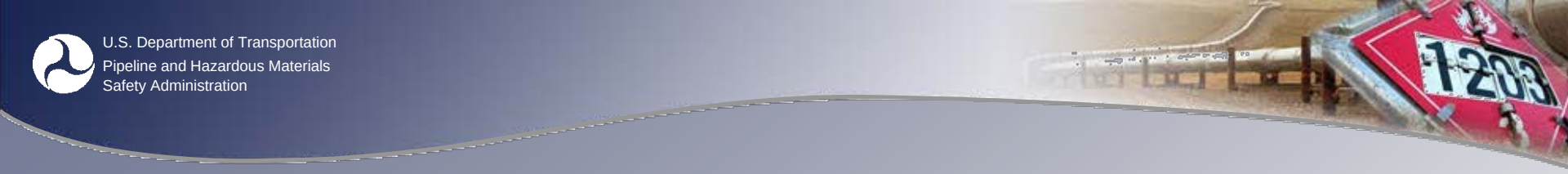
NTSB Recommendation

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

  Amend Title 49 Code of Federal Regulations Section 192.935(c) to directly require that automatic shutoff valves (ASV) or remote control valves (RCV) be installed in high consequence areas and in Class 3 and 4 locations and spaced at intervals that consider population factors listed in regulations.

Valve Study Scope

- This study was conducted to establish the guidelines for determining economical, technical, and operational feasibility to install ASVs and RCVs for new construction and completely replaced transmission pipelines.
- Risk analyses were conducted on natural gas transmission and hazardous liquid pipeline to investigate potential damage consequences and damage prevention methodologies, additionally for releases without ignition, environmental and socioeconomic factors were analyzed to determine potential consequence reduction strategies.



Valve Study (switch over to valve study presentation)

Simon Rose, Barry Oland, and Herb Grant

Oak Ridge National Laboratory

Valve 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

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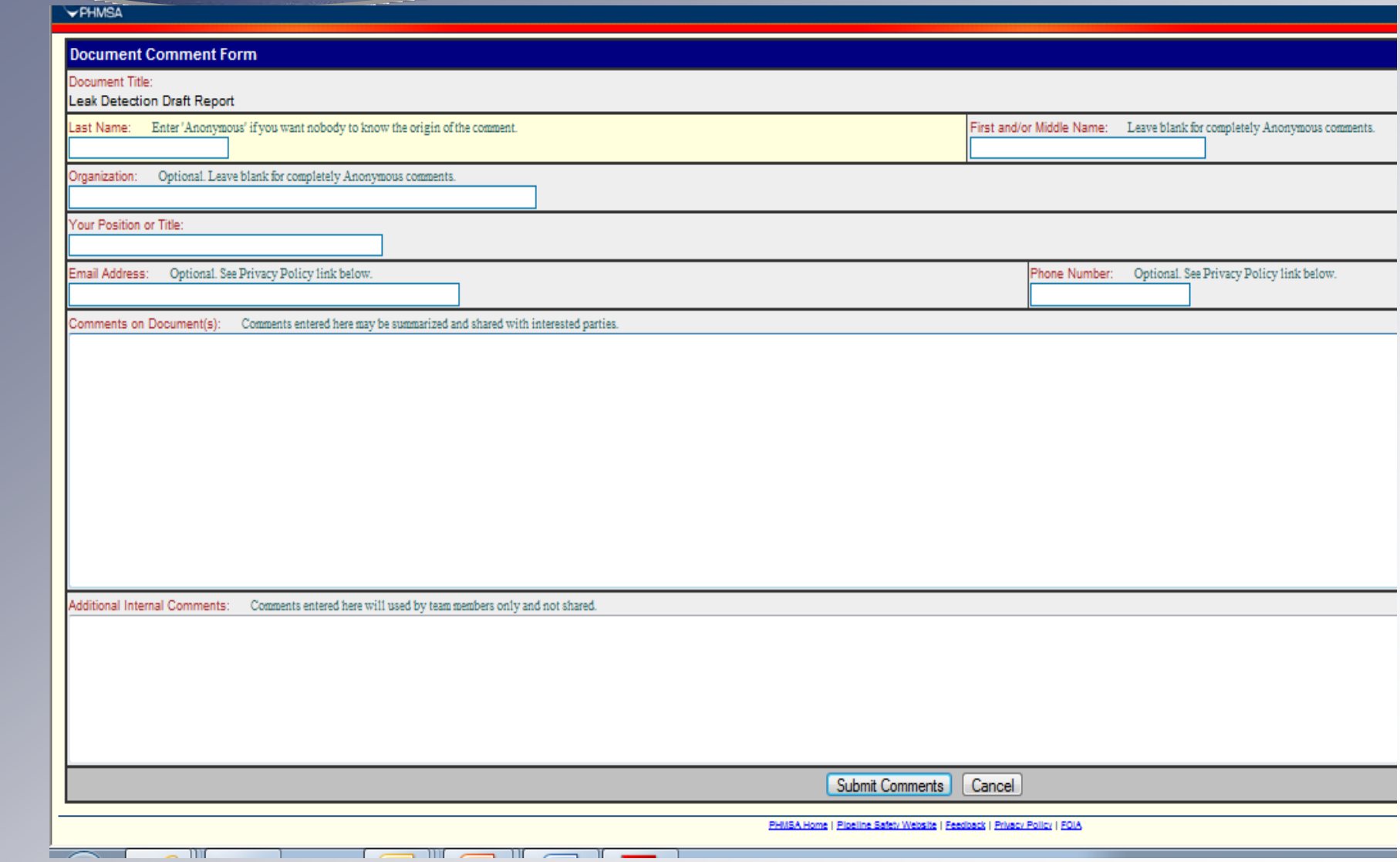
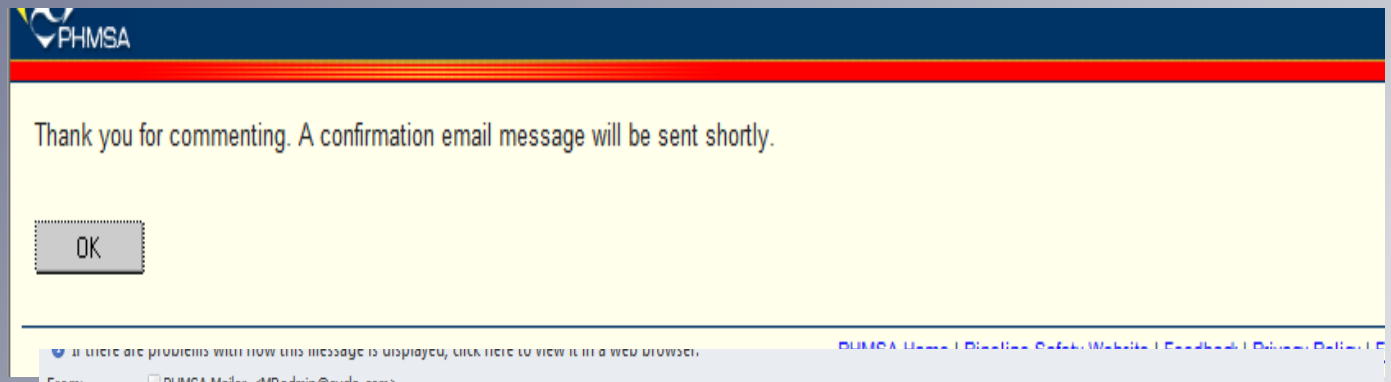
This is a Leak Detection example; comments for Valves will reflect Valves at the top and have the link to the Valve Draft Report



This is a leak detection example; comments to valves will show valves at top



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!*

*Valves comments will go to Pat Landon