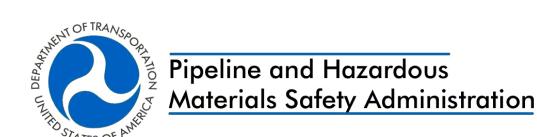


Men are overwhelmed with business, with the study of languages, and with physical exercise; and they are made to understand that they cannot be happy unless their health, their honor, their fortune and that of their friends be in good condition – they are lead to understand that a single thing wanted will make them unhappy.

Thus they are given cares and business which make them bustle about from the break of day. It is, you will exclaim, a strange way to make them happy. What more could be done to make them miserable? Indeed, what more could be done?

We should only have to relieve them from all these cares; for then they would see themselves: they would reflect on what they are, whence they came and whither they go.

And thus we cannot divert them too much from their preoccupations or they would be miserable indeed. This is why, after giving them so much business we advise them, if they have some time for relaxation, to employ it in amusement, in play, and to be ALWAYS OCCUPIED. The alternative is too much for them to take.



PHMSA Update on Public Awareness

This presentation was originally presented at the CGA Excavation Safety Conference & Expo on March 4, 2010. A Few changes have been made by current presenter.

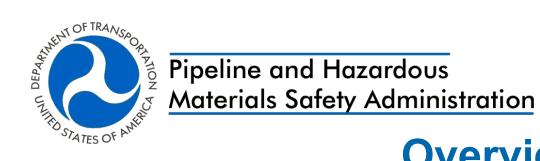
Originally presented by Karen Gentile Community Assistance and Technical Services Manager Eastern Region



PHMSA Update on Public Awareness

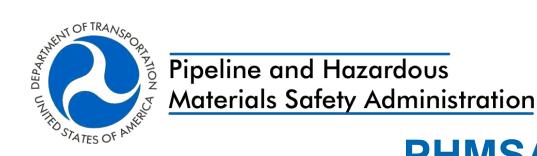
Utah PUC Annual State Seminar August 3-4, 2010

Tom Finch
PHMSA - Western Region – CATS Coordinator



Overview

- PHMSA Mission and Scope
- Why Public Awareness
- **Public Awareness Evolution**
- **Current Regulations**
- American Petroleum Institute (API) Recommended Practice (RP) 1162
- Inspection
- Benefits
- Sources of Additional Information

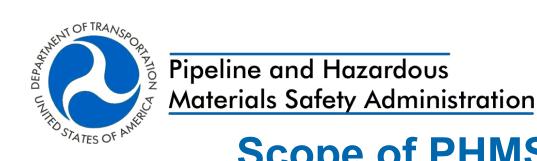


PHMSA Office of Pipeline Safety

Mission:

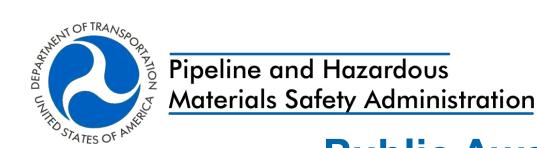
"To ensure the safe, reliable, and environmentally sound operation of the Nation's pipeline transportation system."





Scope of PHMSA Jurisdiction

- Over two million miles of pipelines in the U.S.
 - 174,000+ miles, Hazardous Liquid Pipelines
 - 321,000+ miles, Gas Transmission & Gathering Pipelines
 - 2,000,000+ miles, Natural Gas Distribution Pipelines
 - 109 LNG plants connected to Natural Gas Transmission and Distribution Systems
 - Propane Distribution Pipelines
- These pipelines are operated by about 3,000 companies, large and small
- Natural gas provides for 24% of U.S. total energy consumption
- Petroleum provides for another 39%



Public Awareness

Although the requirements have changed over the years, the goal remains the same -

Enhance public environmental and safety property protection through increased public awareness and knowledge engage stakeholders in improving pipeline safety



Why Public Awareness?



"Those who cannot learn from history are doomed to repeat it."

George Santayana

"History is a race between education and catastrophe."

H.G. Wells



Materials Safety Administration

Why Public Awareness?

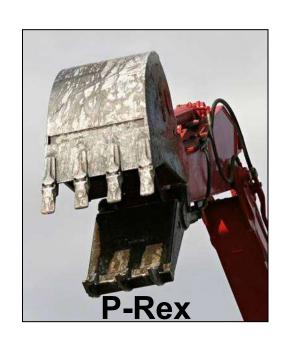




Why Public Awareness?

Significant Incidents caused by Excavation Damage (2000 thru 2009)

- Gas Distribution Pipelines
 - 32% of Significant Incidents
 - 19% of Fatalities and 29% Injuries
- Gas Transmission Pipelines
 - 14% of Significant Incidents
 - 38% of Fatalities and 21% Injuries
- Liquid Pipelines
 - 16% of Significant Incidents
 - 32% of Fatalities and 22% Injuries





Materials Safety Administration

Why Public Awareness?







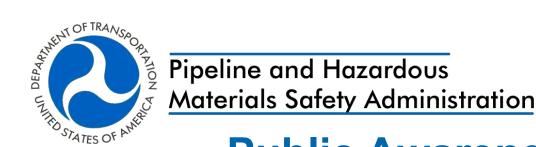
Why Public Awareness?

It's the Law!

Pipeline Safety Improvement Act (PSIA) of 2002

Requires owners or operators of a gas or hazardous liquid pipeline facility to carry out a continuing program to educate the public on:

- Use of a One-Call notification system prior to excavation
- Possible hazards associated with unintended releases from pipeline facility
- Physical indications that a release may have occurred
- Steps that should be taken for public safety in the event of a pipeline release
- Procedures to report such an event



Public Awareness Evolution

- Pipeline safety regulations long required:
 - Damage Prevention Awareness for excavators (192.614 and 195.442)



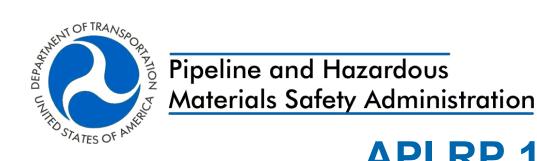
- Emergency Plans for fire, police, and public officials (192.615 and 195.402)
- Public Education (192.616 and 195.440)
- API RP 1162 Committee formed in January 2002
- 1st Edition of API RP 1162 published in December 2003
- Operator workshops held in 2003 and 2005



Public Awareness Evolution

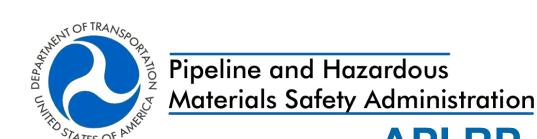
- Final Rule in May 2005 (Docket 15852)
 - Incorporated by reference the guidelines in API RP 1162, Public Awareness Programs for Pipeline Operators, 1st Edition
 - 192.616 for Natural Gas Pipelines
 - 195.440 for Hazardous Liquids Pipelines
- Amendment effective January 14, 2008 relaxed rules for master meter and some LPG operators





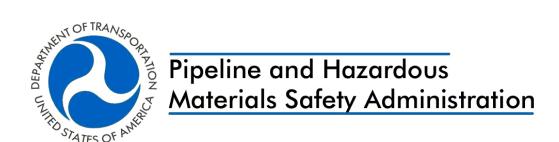
API RP 1162

- Industry Recommended Practice Set of guidelines/best practices for Public Awareness Programs
- 1st Edition issued in December 2003
- Guidance for managing Public Awareness Programs
 - Development
 - Implementation
 - Evaluation
- Developed by Pipeline Industry with input from regulators and public stakeholders



API RP 1162Principle Objectives

- Make public education and pipeline awareness campaigns along pipeline routes more effective by standardizing frequency and content
- Provide recommended baseline public awareness programs and guidance for determining supplemental activities
- Provide guidance for evaluating program effectiveness and continuous improvement



API RP 1162

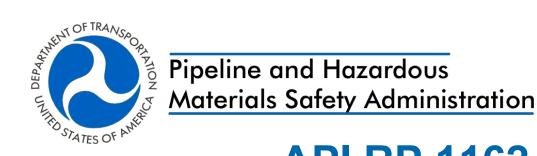
Non-printable version of API RP 1162 can be viewed at:

http://committees.api.org/pipeline/standards/index.html



API RP 1162 – 2nd Edition, 2010

- Focus on clarification and streamlining
- Essential elements of 1st Edition retained
- Revision focus
 - Align baseline messages with core safety messages
 (Damage Prevention, Leak/Damage Recognition and Response, One Call Requirements, Pipeline Location Information, Potential Hazards and Prevention Measures, ROW encroachment)
 - Non-safety messages shifted to enhanced category
 - Pipeline purpose and reliability
 - How to get additional information
 - Availability of a list of pipeline operators through NPMS
 - Increased discretion for baseline delivery methods; identifies potentially inappropriate methods
 - Requires formal process for considering enhancements
 - Provides increased guidance



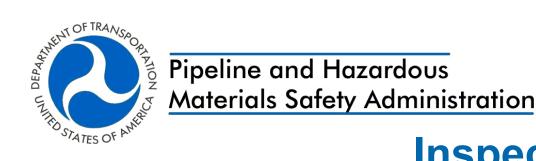
API RP 1162 – 2nd Edition

- Plan to have consensus of the revision workgroup and Acceptance by API's Operations and Technical Committee (tentatively Spring 2010)
- Publish 2nd Edition final (tentatively by Summer 2010)



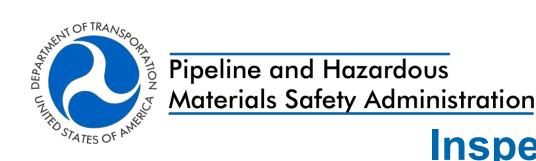
How RP 1162 2nd Edition Changes Affects You?

- API members and others in industry may voluntarily adopt
- Operator is still required to comply with the version currently referenced in the regulation
- If PHMSA determines that the revision is appropriate to incorporate into regulation, may incorporate into rule at later date



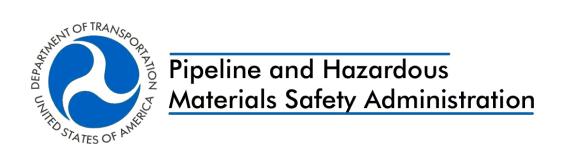
Inspection

- Inspections
 - Standard inspection
 - HQ inspection
 - Integrated inspection
 - As requested/special inspection
- Looking for compliance with regulations in 49 CFR 192 (Gas) and 49 CFR 195 (Liquid), as well as following API RP 1162 (1st Edition)
 - Deviations must be justified
- States are conducting inspections for their operators



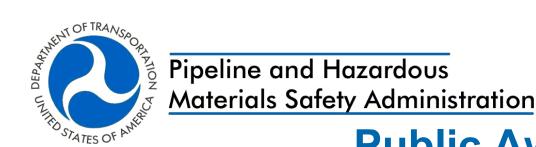
Inspection

- Focus was on:
 - Does the plan exist?
 - Is it tailored to the specific pipeline?
 - Programs are Not One Size Fits All
 - Must be tailored to an operators specific pipeline and facilities
 - Is the program being implemented?
- Additional focus on evaluation of effectiveness beginning in 2010:
 - Is the program effective?
 - How is effectiveness being measured?



Future Plans for Public Awareness

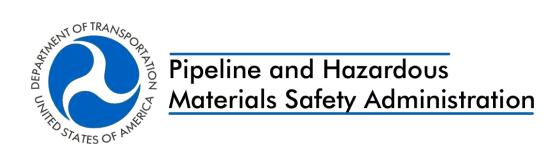
- PHMSA is planning a June 2010 Public Awareness Workshop
 - The workshop will be an opportunity after the initial four-year implementation cycle to review implementation progress, identify what is working and not working, and jointly identify critical elements of a successful operator public awareness program.
 - PHMSA will use the results from this event in addition to inspection activities to further develop our program for evaluating pipeline operator public awareness programs.
- In the second half of 2010, State and Federal inspection programs will be expanded to include a review of operator effectiveness evaluations.
 - PHMSA has a Team of SME's currently developing protocols for Public Awareness Effectiveness Reviews



Public Awareness

Benefits!

- Enhanced public safety
- ✓ Decreased third party damage
- ✓ Improved performance
- Enhanced emergency response coordination
- Improved relationships with affected public
- ✓ Less resistance to pipeline activities
- ✓ Preservation of Right Of Way from encroachments



Sources of Additional Information



Public Awareness Web-Based Training

- Describes regulatory history and current requirements for pipeline operator Public Awareness Programs
- Summarizes the process of creating a Public Awareness Program
- Highlights the differences in the requirements for various types of pipeline systems
- Found at: <u>http://www.phmsa.dot.gov/staticfiles/PHMSA/Pipeline/P</u> ublic Awareness WBT/PA 0 0.htm



Important Links

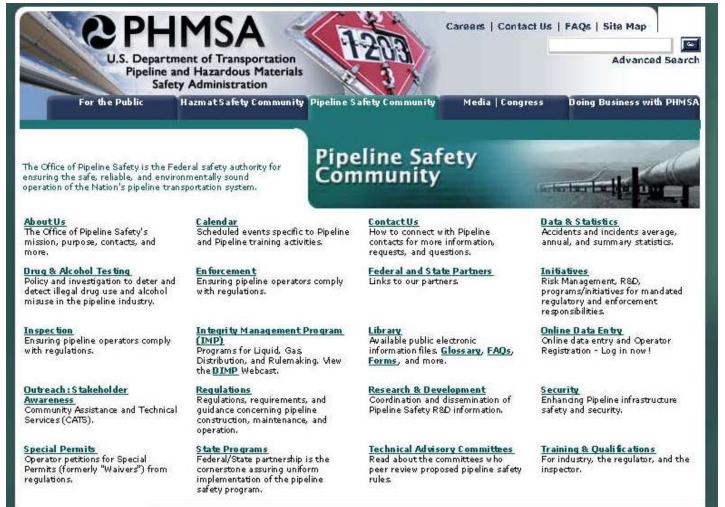
- PHMSA, Office of Pipeline Safety www.phmsa.dot.gov/pipeline
- Access to PHMSA Regulations: The best place to get the most recent 49 CFR Part 190-199 -

www.phmsa.dot.gov/pipeline

- Click on "Training and Qualifications"
- Click on "Regulatory Information"
- Click on the Part you want
- For Federal Regulations www.regulations.gov
- PHMSA Stakeholder Communications http://primis.phmsa.dot.gov/comm/



Office of Pipeline Safety Homepage





Community Assistance and Technical

Operator petitions for Special

Permits (formerly "Waivers") from

Services (CATS).

Special Permits

regulations.

Pipeline and Hazardous Materials Safety Administration

guidance concerning pipeline

operation.

State Programs

safety program.

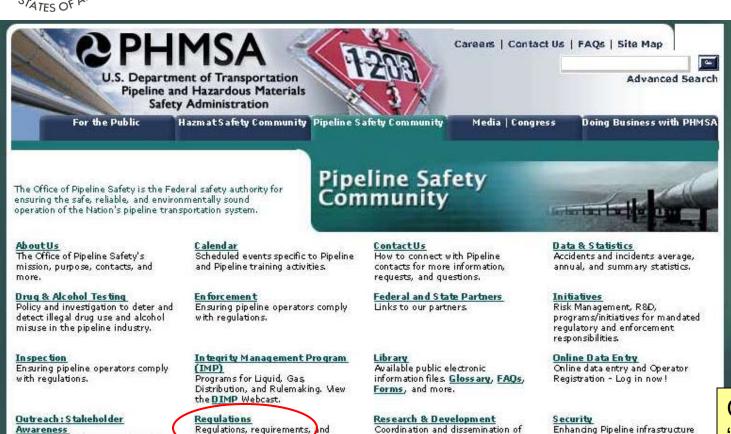
construction, maintenance, and

Federal/State partnership is the

cornerstone assuring uniform

implementation of the pipeline

Homepage → Regulations



Click on "Regulatory Information" then select part you want

Pipeline Safety R&D information.

Read about the committees who

peer review proposed pipeline safety

Committees

or

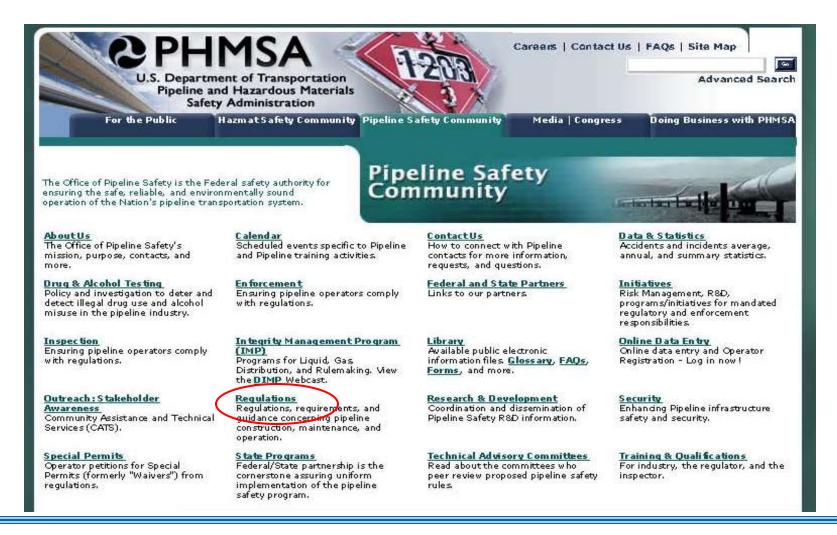
safety and security.

inspector.

Training & Qualifications
For industry, the regulator, and the



Homepage → Regulations



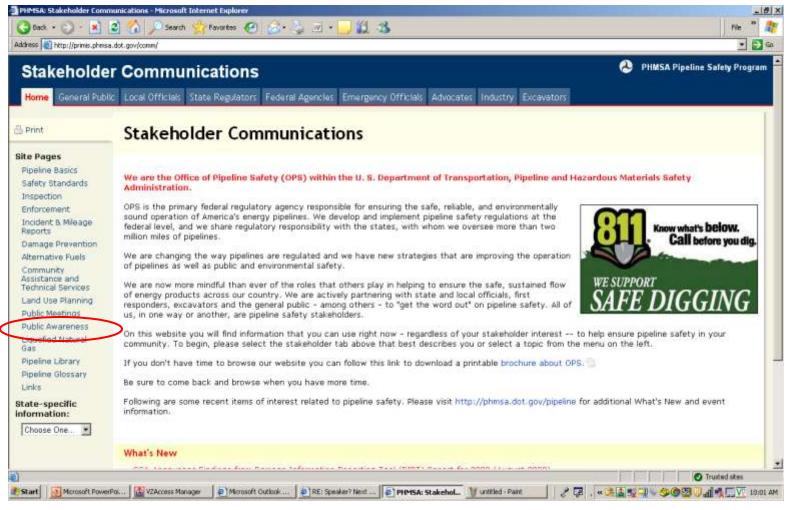


Regulations Homepage – Sign up for Updates



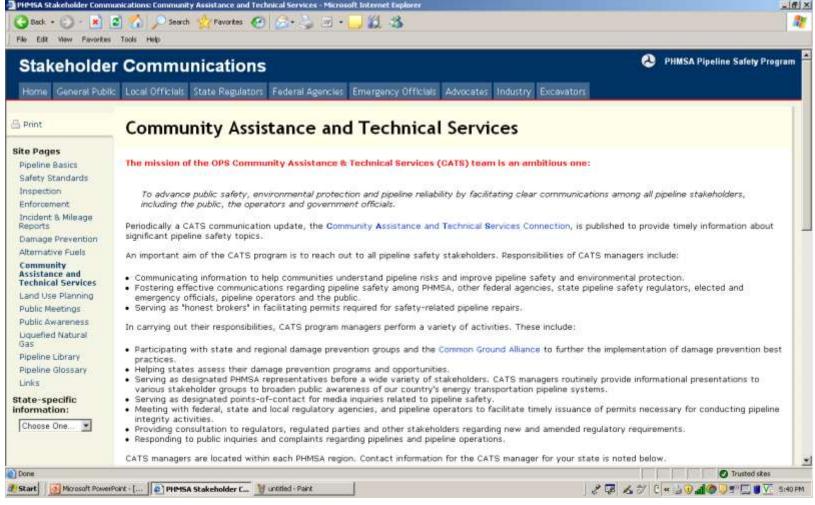


Stakeholder Communications





CATS Page





CATS – Contact Us

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/.pipelineawareness.org/

Tools Help

Association for Public Awareness



Y Google





Home

Spotlight

Pipeline Emergency Response Videos

Posted April 8th, 2009 by jeffrey.farrell...



Online you can now view the PAPA Pipeline Emergency Response Videos. Click here to view important pipeline safety information for emergency responders.

Featured



Schedule of Activities

An overview of our goals for 2009



2009 Public Officials Newsletter

Pipelines are the most efficient way to transport our nation's

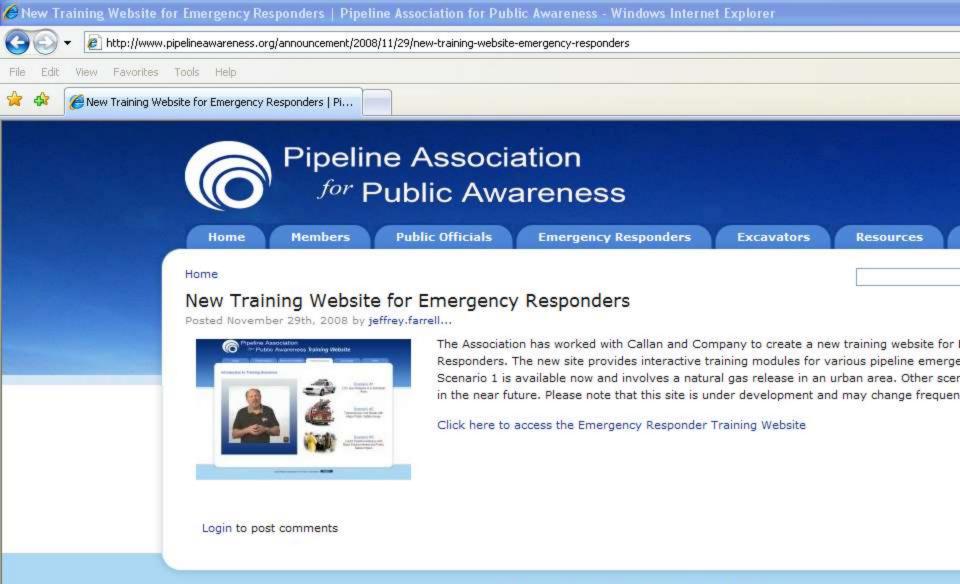
energy resources. Each year, more than 66% of our oil, natural gas and hydrocarbon resources are moved using a vast network of pipelines. Despite pipelines being the safest means of transportation for these resources, pipeline safety is everyone's responsibility. This newsletter is an effort by the Pipeline Association for Public Awareness to provide you information about the ninelines in your

Announcements

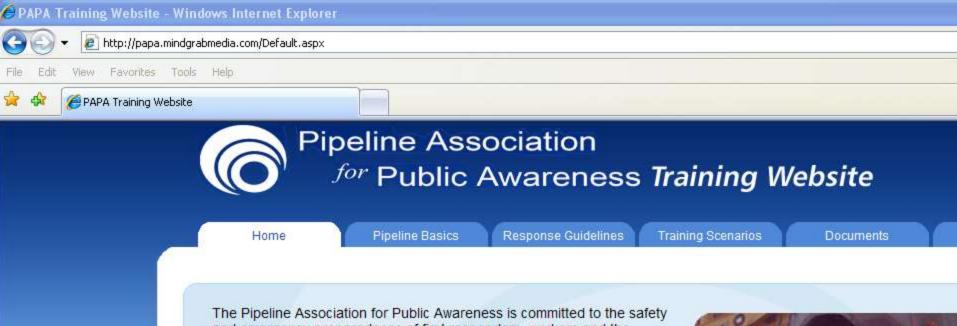
- Pipeline Emergency Response Videos
- · New Training Website for Emergency Responders
- Identified Site Registry
- Pipeline Emergency Contact Directory
- Pipeline Integrity Management Mapping Application
- Sign Up to Receive Information
- · Membership and Program Fees

Documents

- IRS Form 990 2008
- 2009 Public Officials Newsletter
- 2009 Excavation Safety Guide
- · Schedule of Activities
- Corporation Bylaws
- IRS Exemption Letter 2005



2008 Pipeline Association for Public Awareness



The Pipeline Association for Public Awareness is committed to the safety and emergency preparedness of first responders, workers and the general public.

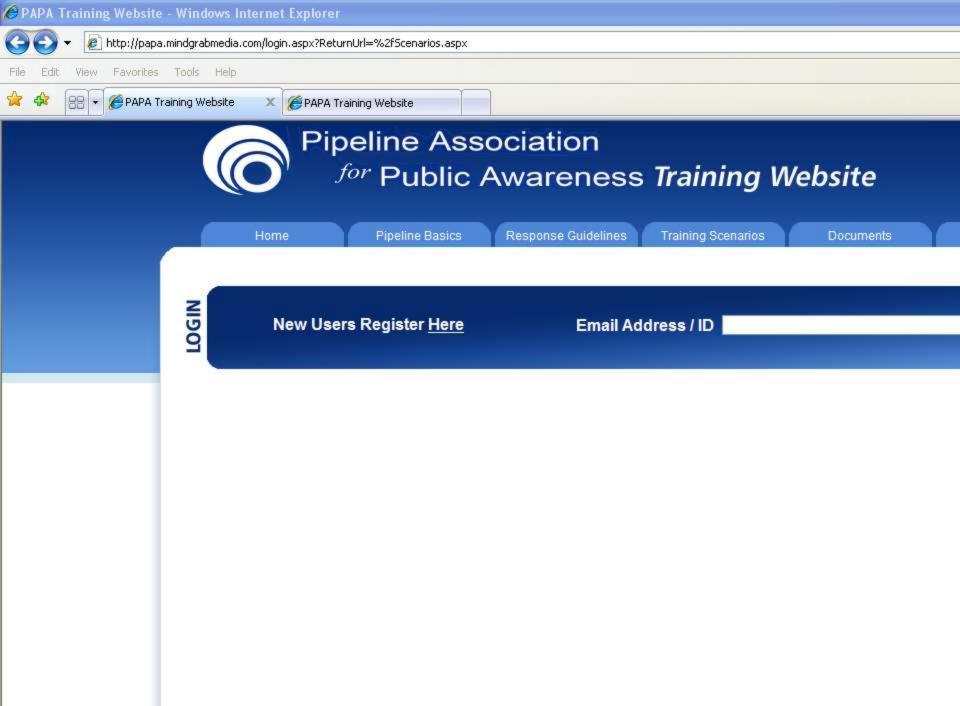
While pipelines are generally the safest methods of transporting hazardous chemicals, they are not failsafe. Pipeline product releases, whether in the form of slow leak or violent rupture, are a risk in any community. In the unlikely event of an incident near or involving a pipeline, it is critical you know how to respond and are prepared to work together with the pipeline operator's representatives.

This training is intended to provide firefighters, law enforcement officers, emergency medical technicians and all other emergency responders who may be the first to arrive at the scene with the information they need to



safely handle a pipeline incident. This training is not intended to provide information on the physical or chemical proper products transported through the pipelines. Nor should it be considered a substitute for emergency response training, sound judgment. Rather, this training contains information that will help you make decisions about how to best protectly emergency response team, and the surrounding public during a pipeline incident.

Please review this website and become familiar with the components of the emergency response guidelines and other tavailable before you are called to respond to a pipeline incident.











Scenario #1 Suburban LDC Gas Release



Scenario #2 Transmission Line Break



Scenario #3 Liquid Pipeline Rel



Scenario #4



Scenario #5 Gathering / Transmission Line Failure Natural Gas Transmission Line Break



Scenario #6 Highly Volatile Lic Pipeline Releas