



Pipeline and Hazardous
Materials Safety Administration

Public Awareness

**T&Q Pipeline Safety Seminar
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First

The 'Pepper' Perspective





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Relevant Pipeline Safety Issues

- **Third Party Damage**
 - **Industry Perspective**
 - **Public Awareness / Damage Prevention**
 - **Enforcement**
 - **Conclusions**
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Third Party Damage

**Remains a Major Threat to
Pipeline Safety**





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Third Party Damage



**Learning from
experience is a
faculty almost
never practiced. –
Barbara Tuchman**





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Third Party Damage



**Those who
cannot learn
from history are
doomed to
repeat it. –
George
Santayana**



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Third Party Damage



**History is a
race between
education and
catastrophe. –
H. G. Wells**





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One of the Solutions!

**Public Awareness / Damage Prevention
through
EDUCATION!**



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Industry Perspective





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Electric High Power Lines

- **Similar problems existed in 50s, 60s, and 70s with High Power Lines.**
 - **Industry sponsored Public Awareness Campaigns.**
 - **Very successful – Most people are now aware of the hazards of high power lines and there are fewer accidents.**
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Other Public Awareness Campaigns

- **Refrigerator Deaths (designs changed)**
- **Blasting Caps**
- **Swimming (life guards and fences)**
- **Bicycles (helmets)**

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- **Effort is REQUIRED to make a difference**





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The Pipeline Industry

- **Unable to fund any similar major Public Awareness Initiative.**
 - **Left up to government, both Federal and State.**
 - **Common Ground Alliance created.**
 - **New Public Awareness regulations.**
 - **State One-Call Programs and Associated Initiatives.**
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Public Awareness / Damage Prevention Call Before You Dig!



Know what's below.
Call before you dig.





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Creative Advertisement

To help promote the national “811” call before you dig phone number Colonial Pipeline, Carolinas AGC, the North Carolina One call Center and Qwest Communications funded the placement of the 811 logo on a tank at





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Enforcement

**Sadly, Education does not
always work!**



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Enforcement

- **Speed limits without law enforcement do not work - Excessive speeding can kill.**
 - **One-Call requirements without law enforcement do not work either - Third-party hits can kill.**
 - **Contractors minimizing costs often avoid One-Call requirements.**
 - **Active enforcement programs are crucial!!**
 - **The One-Call Centers must continue to work supporting enforcement agencies.**
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Conclusions

- **Third Party damage causes pipeline failures leading to both deaths and injuries.**
 - **Damage Prevention / Public Awareness programs reduce Third Party events.**
 - **Penalties are required when education fails.**
 - **Education and Enforcement Equals Enhanced Pipeline Safety!!!**
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Second

The PHMSA Perspective



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Office of Pipeline Safety - Mission

The Office of Pipeline Safety (OPS) is the Federal safety authority designated to ensure the safe, reliable, and environmentally sound operation of the Nation's pipeline transportation system.



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Outline

- **History**
 - **Current Status**
 - **API RP 1162 Revision**
 - **Enforcement**
 - **Supplemental Activities**
 - **Access to PHMSA Regulations**
 - **Additional Resources**
 - **Questions**
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Why Public Awareness?

The 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 the pipeline facility;**
 - Physical indications that such a release may have occurred;**
 - Steps that should be taken for public safety in the event of a pipeline release; and**
 - Procedures to report such an event.**
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Why Public Awareness?

- **Reduces third party damages to pipelines**
 - **Reduces injuries & property damage as a result of damages to pipelines**
 - **Educates stakeholders about the hazards of pipeline releases**
 - **Educates stakeholders about recognizing releases**
 - **Educates stakeholders about what to do in the event of a release**
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Before API RP 1162

- **Damage Prevention Programs for Excavators**
 - 192.614(c) and 195.442(c)
 - **Emergency Plans for Fire, Police, & Public Officials**
 - 192.615(c) and 195.402(c)(12)
 - **Public Education**
 - 192.616 and 195.440
 - **Gas Transmission Integrity Management**
 - 192.911(m) & ASME B31.8S, §10
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Final Rule

- **Published May 19, 2005 (Docket 15852)**
 - **192.616 and 195.440 titled Public Awareness**
 - **Require operators to follow the guidance in API RP 1162, First Edition, December 2003**
 - **Baseline and Supplemental (aka Enhanced Programs)**
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PHMSA Implementation

- **Checklist**
 - **Clearinghouse Review**
 - **CATS Managers**
 - **Negotiation with Operators**
 - **No longer submit PAPs for review**
 - **Be prepared to provide documentation as part of other inspections**
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API 1162 Revisions

- **Committee has been meeting for over a year**
 - **Focus on clarification and streamlining**
 - **Essential elements of existing 1162 will be retained**
 - **PHMSA concern – no “watering down”**
 - **PHMSA is providing technical assistance**
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API 1162 Revisions Focus

- **Supplemental Activities vs. Enhancements**
 - **“Should” vs. “May”**
 - **Regular mail vs. Certified for certain Stakeholders**
 - **Frequencies**
 - **API RP Format**
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API 1162 Revisions Schedule

- **Met on April 28 & 29**
 - **Last meeting was June 29 & 30 (Washington DC)**
 - **Plan is to have a draft for full API vetting shortly after the June meeting**
 - **API formal approval by end of year?**
 - **PHMSA will review & may incorporate new version within 6 months or so**
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Enforcement

- **Non-issue so far**
 - **PHMSA is developing an Integrated Inspection (II) Module for Public Awareness**
 - **When finalized, the II Module will be available on the PHMSA web site**
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Supplemental Activities (Enhancements)

- **When conditions along the pipeline suggest a more intensive effort is needed:**
 - High Consequence Areas
 - Land Development Activity
 - Third-party Damage Incidents
 - Pipeline History
 - **Complete list of considerations in Section 6.2 of current RP 1162**
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Access to PHMSA Regulations

**The best place to get the most recent
49 CFR Parts 190–199 and 49 CFR Part
40 (Alcohol and Drug Abuse Regs) is:**

www.phmsa.dot.gov/pipeline

- Click on “Training & Qualifications”**
 - Click on “Regulatory Information”**
 - Click on the Part you want**
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Additional Resources

- **For Federal Regulations**
 - www.regulations.gov
 - **If you have the Docket Number, enter it and you will get all of the background and actions that led to the rule**
 - **If you don't have the docket number, use the key word search to find the docket number**
 - **All of the Federal Register notices will be in the docket along with other relevant information**
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Important Links

- **Office of Pipeline Safety –**
www.phmsa.dot.gov/pipeline
 - **National Transportation Safety Board –**
www.nts.gov
 - **Common Ground Alliance –**
www.commongroundalliance.com
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QUESTIONS??

THANK YOU!!

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