



U.S. Department
of Transportation

**Pipeline and
Hazardous Materials
Safety Administration**

API Recommended Practice 1162

Public Awareness Programs for Pipeline Operators



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

RP 1162 Applicability

- Hazardous Liquid Pipelines
(Intrastate and Interstate)
- Natural Gas Transmission Pipelines
(Intrastate and Interstate)
- Local Distribution Pipelines
- Gathering Pipelines



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Addresses Pipeline Operator Public Awareness Responsibility

- Pipeline Safety
- Damage Prevention
- Emergency Response
- Emergency Contacts
- General Pipeline Awareness



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Drivers for RP 1162

- ❑ PHMSA commitment to raise public awareness communication requirements
- ❑ Pipeline Safety Improvement Act of 2002 public communication provisions
- ❑ NTSB recommendations for public education improvements
- ❑ New gas integrity management rule communication requirements
- ❑ Need to Update Industry Public Awareness Efforts
 - Replaced API RP 1123 published in 1990
 - Expanded to include gas pipelines



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Expected Benefits

- Reductions in third party damages
- Enhanced public safety, environmental protection and pipeline reliability
- Enhanced emergency response coordination
- Improved relationships with affected public
- Public acknowledgement of need for pipeline activities (e.g., maintenance)
- Preservation of ROW from encroachments



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Purpose

- Establishes baseline guidance to develop, implement, evaluate and improve operator's public awareness program
- Establishes consideration of need for supplemental efforts
- Requires written program and evaluation of program's effectiveness



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Task Force Participation

Co-Sponsors

- American Petroleum Institute – publisher
- Association of Oil Pipelines
- American Gas Association
- American Public Gas Association
- Interstate Natural Gas Association of America

Regulatory Observers

- PHMSA (RSPA/OPS)
- National Association of Pipeline Safety Representatives

Stakeholder Input



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Recognized and Structured Industry Consensus Process

- ❑ Trade Associations commented, issued joint letter of endorsement
- ❑ API ballot (complete)
 - American National Standards Institute (ANSI) process, API as publisher
 - Consensus standard authority
 - Public comment
 - All comments must be addressed
 - May require revision and 2nd balloting
- ❑ OPS incorporated RP by reference through rulemaking process



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Scope of Recommended Practice

Focuses On:

- Public awareness along existing pipeline routes
- Transmission, local distribution and gathering pipelines

Does Not Focus On:

- Communication of operator specific performance data
- Public consultation for new pipeline construction
- Data reported to PHMSA
- Operator history with PHMSA
- Data availability by PHMSA
- Communication following incident response



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Public Awareness Program Components

- Program Development
- Key Stakeholder Audiences
- Message Content
- Delivery Frequency
- Message Delivery Method and/or Media
- Baseline Program Enhancement
- Program Documentation and Recordkeeping
- Program Evaluation and Effectiveness

Public Awareness Program Process Guide

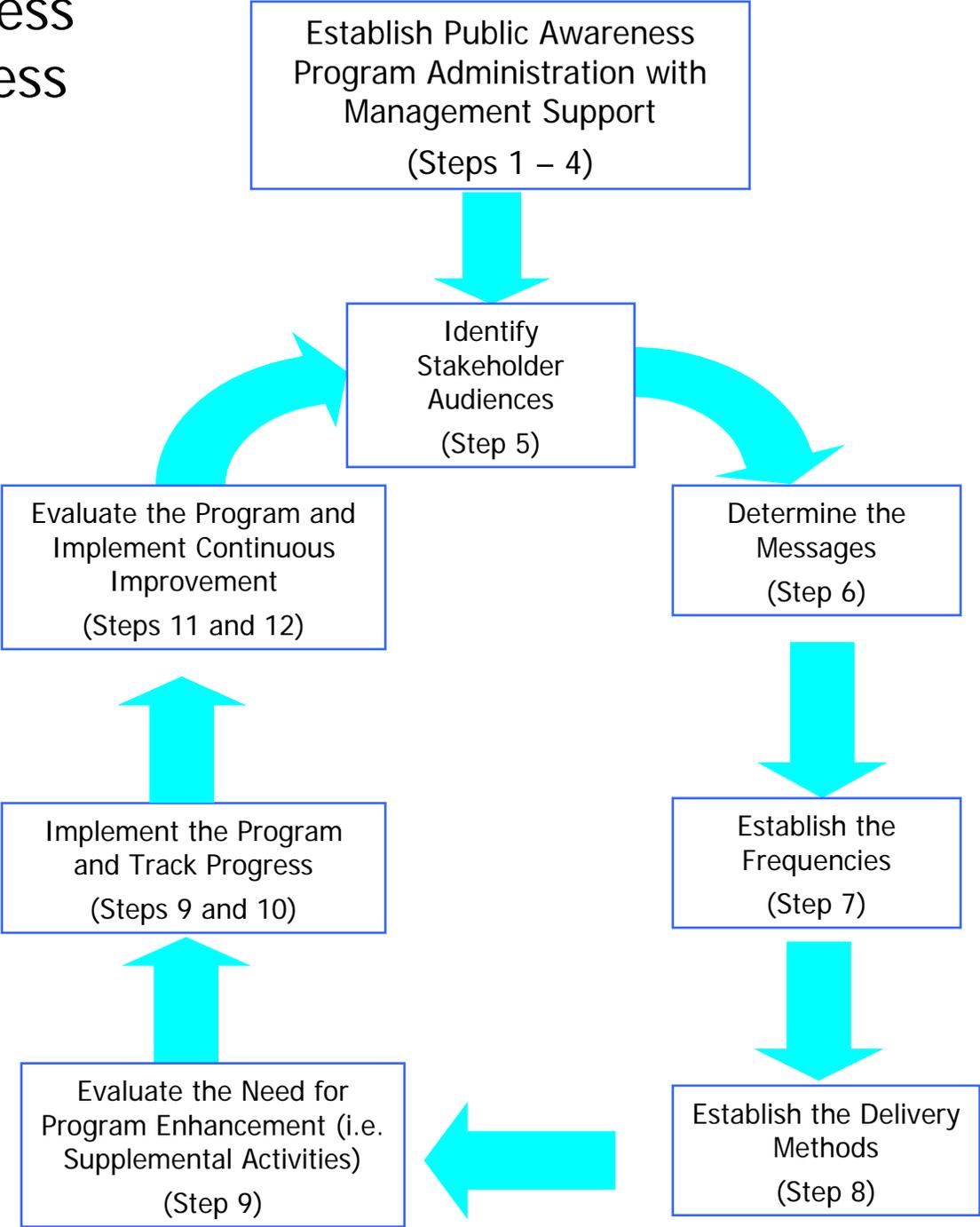


Figure 2.61



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Key Stakeholder Audiences

- Affected Public
 - Landowners, residents and places of congregation near the pipeline
- Local and state emergency planning and response officials
- Local public officials and governing councils
- Excavators



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Message Content: Baseline Program

- Pipeline purpose and reliability
- Hazard awareness and prevention measures
- Leak recognition and response
- Emergency preparedness communications
- Damage prevention
- Pipeline location



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Delivery Method and/or Media

- Print materials
- Personal contact
- Electronic communications methods
- Mass media communications
- Specialty advertising materials
- Informational or educational items
- Pipeline marker signs
- One-Call center outreach
- Operator websites



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Recommendations for Supplementing Program

- Increased communication frequency
- Supplemental efforts (additional messages and/or delivery methods)
- Broadening the stakeholder audience coverage
- Customize supplements based on pipeline or segment characteristics



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Factors to Consider to Supplement Program

- High Consequence Areas
- Pipeline release consequences
- Population density
- Land development
- Farming activity
- Third party damage incidents
- Other environmental considerations
- Pipeline segment history
- Specific location/facility
- Regulatory requirements
- Results from previous public awareness program evaluation



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Program Documentation

- Management Commitment
- Roles and responsibilities
- Responsibility for program management
- Identification of the media and methods
- Communication frequency and audience
- Supplements to baseline program
- Process for program evaluation
 - Self assessment of process
 - Evaluation of effectiveness



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Retention of Documentation

What

- Lists and records of stakeholder audiences
- Copies of materials provided to stakeholder audiences
- Program evaluations, results, follow-up actions and expected results

How Long

- Five Years or as defined in Operator's program



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Program Evaluation

- Self Assessment
 - Is your program aligned with RP 1162?
 - Are you implementing your program as intended?
- Measures to evaluate program effectiveness
 - Track number of individuals or entities reached within intended audience
 - Assess the understandability of message content
 - Determine if appropriate recognition, prevention and response actions by intended audience result
 - Achieve reduction in third-party damage incidents
- Implement Improvements as needed



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

Conclusion

RP 1162 will “raise the performance bar” on public awareness program efforts throughout the industry

The RP establishes:

- Baseline public awareness program recommendations
- Comparable standards for operators of both hazardous liquids and natural gas pipelines
- A consensus standard incorporated by PHMSA into federal regulations



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

RP 1162 Workshops

- Houston, TX ; Baltimore, MD
- Review of RP, panel discussion, case studies
- Included public stakeholder representatives
- All operators encouraged to attend
- Open to Public