

Public Awareness Programs for Pipeline Operators

API RECOMMENDED PRACTICE 1162
SECOND EDITION, DECEMBER 2010

REAFFIRMED, OCTOBER 2015

2-YEAR EXTENSION: JULY 2020



AMERICAN PETROLEUM INSTITUTE

Public Awareness Programs for Pipeline Operators

Pipeline Segment

API RECOMMENDED PRACTICE 1162
SECOND EDITION, DECEMBER 2010

REAFFIRMED, OCTOBER 2015

2-YEAR EXTENSION: JULY 2020



AMERICAN PETROLEUM INSTITUTE

Special Notes

API publications necessarily address problems of a general nature. With respect to particular circumstances, local, state, and federal laws and regulations should be reviewed.

Neither API nor any of API's employees, subcontractors, consultants, committees, or other assignees make any warranty or representation, either express or implied, with respect to the accuracy, completeness, or usefulness of the information contained herein, or assume any liability or responsibility for any use, or the results of such use, of any information or process disclosed in this publication. Neither API nor any of API's employees, subcontractors, consultants, or other assignees represent that use of this publication would not infringe upon privately owned rights.

API publications may be used by anyone desiring to do so. Every effort has been made by the Institute to ensure the accuracy and reliability of the data contained in them; however, the Institute makes no representative warranty, or guarantee in connection with this publication and hereby expressly disclaims any liability or responsibility for loss or damage resulting from its use or for the violation of any authorities having jurisdiction with which this publication may conflict.

API publications are published to facilitate the broad availability of proven, sound engineering and operating practices. These publications are not intended to obviate the need for applying sound engineering judgment regarding when and where these publications should be utilized. The formulation and publication of API publications is not intended in any way to inhibit anyone from using any other practices.

Any manufacturer marking equipment or materials in conformance with the marking requirements of an API standard is solely responsible for complying with all the applicable requirements of that standard. API does not represent, warrant, or guarantee that such products do in fact conform to the applicable API standard.

Classified areas may vary depending on the location, condition, equipment, and substances involved in any given situation. Users of this Recommended Practice should consult with the appropriate authorities having jurisdiction.

Copyright reserved. No part of this work may be reproduced, translated, stored in a retrieval system, or transmitted by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission from the publisher. Contact the Publisher, API Publishing Services, 1220 L Street, NW, Washington, DC 20005.

Foreword

This is the second edition of API Recommended Practice (RP) 1162. Through clarifications, enhancements, and streamlining, it attempts to make the original guidance more useful to operators in developing, managing, and improving public awareness programs.

Representatives from natural and other gas and hazardous liquids transmission companies¹, local distribution companies, gathering systems, trade associations, and federal and state pipeline regulators have contributed to the new edition. Additionally, other stakeholders, such as emergency responders, have provided input. This second edition of API 1162 reinforces the goals and objectives of the original document and is largely similar in organization and principal components. However, some changes have been made based on the experiences and insights of stakeholders, including operators from all pipeline segments, who for several years have been implementing public awareness programs under federal regulations incorporating API 1162. The changes aim to make API 1162 easier to understand and use and to increase the effectiveness of operator public awareness programs. A key alteration to the document was aligning baseline messages (those operators must communicate) with core safety messages. The decision to focus on safety messages was based on the recognition, well supported by research and experience, that reducing the number of messages will improve overall message retention. The RP continues to provide operators with other messages for use as circumstances and practicality dictate. To enhance program efficiency and facilitate collaborative efforts, the RP also increases alignment among the pipeline sector, except in cases where variation was felt to be necessary to achieve program effectiveness.

Nothing contained in any API publication is to be construed as granting any right, by implication or otherwise, for the manufacture, sale, or use of any method, apparatus, or product covered by letters patent. Neither should anything contained in the publication be construed as insuring anyone against liability for infringement of letters patent.

Shall: As used in a standard, “shall” denotes a minimum requirement in order to conform to the specification.

Should: As used in a standard, “should” denotes a recommendation or that which is advised but not required in order to conform to the specification.

This document was produced under API standardization procedures that ensure appropriate notification and participation in the developmental process and is designated as an API standard. Questions concerning the interpretation of the content of this publication or comments and questions concerning the procedures under which this publication was developed should be directed in writing to the Director of Standards, American Petroleum Institute, 1220 L Street, NW, Washington, DC 20005. Requests for permission to reproduce or translate all or any part of the material published herein should also be addressed to the director.

Generally, API standards are reviewed and revised, reaffirmed, or withdrawn at least every five years. A one-time extension of up to two years may be added to this review cycle. Status of the publication can be ascertained from the API Standards Department, telephone (202) 682-8000. A catalog of API publications and materials is published annually by API, 1220 L Street, NW, Washington, DC 20005.

Suggested revisions are invited and should be submitted to the Standards Department, API, 1220 L Street, NW, Washington, DC 20005, standards@api.org.

¹ As used in this RP, *gas* means natural and other gas and *liquid* means hazardous liquids.

Contents

	Page
1	Introduction and Scope 1
1.1	Introduction..... 1
1.2	Scope 1
2	Regulatory Compliance 1
2.1	Public Education 2
2.2	Emergency Responder Liaison Activities..... 2
2.3	Damage Prevention 2
2.4	Other Regulations 2
3	Terms, Definitions, Acronyms, and Abbreviations 2
3.1	Terms and Definitions 2
3.2	Acronyms and Abbreviations 4
4	Overview 5
5	Program Establishment 5
5.1	Define Objectives 5
5.2	Obtain Management Commitment 7
5.3	Establish Program Administration 7
5.4	Identify Pipeline Assets 7
5.5	Identify Stakeholder Audiences 7
6	Messages..... 10
6.1	Damage Prevention 11
6.2	Emergency Preparedness 12
6.3	Integrity Management Programs (IMPs)..... 12
6.4	How to Get Additional Information 12
6.5	Leak/Damage Recognition and Response 13
6.6	National Pipeline Mapping System..... 13
6.7	One Call Requirements 13
6.8	Pipeline Location Information 14
6.9	Pipeline Purpose and Reliability 14
6.10	Potential Hazards 15
6.11	Prevention Measures 15
6.12	ROW Encroachment 15
6.13	Special Emergency Procedures..... 15
6.14	Special Incident Response Notification and Evacuation Measures..... 16
7	Delivery Frequencies and Methods 16
7.1	Delivery Frequencies 16
7.2	Delivery Methods..... 16
8	Program Implementation and Enhancements 21
8.1	Program Implementation 21
8.2	Program Enhancements 21
9	Evaluation..... 22
9.1	Pre-test Effectiveness of Materials..... 22
9.2	Assess Program Implementation 23
9.3	Measure Program Effectiveness..... 24

10	Documentation	25
10.1	Written Program Documentation	25
10.2	Other Documentation Records	26
10.3	Record Retention	26
Annex A	(informative) Baseline and Enhanced Program Summary Tables	27
Annex B	(informative) Resources	34
Annex C	(informative) Sample Annual Internal Self-assessment	37
Annex D	(informative) Additional Information on Surveying	42
Annex E	(informative) Public Awareness Program Checklist	54
	Bibliography	59
Tables		
1	Stakeholder Audiences—Affected Public	8
2	Stakeholder Audiences—Emergency Officials	9
3	Stakeholder Audiences—Public Officials	9
4	Stakeholder Audiences—Excavators	10
5	Baseline Messages	11
6	Program Evaluation Methods	23
A.1	Hazardous Liquids and Natural Gas Transmission Pipeline Operators	28
A.2	Local Distribution System Operators	30
A.3	Gathering Pipeline Operators	32
Figure		
1	Public Awareness Program Process	6

Currently in preview, click buy full version

Public Awareness Programs for Pipeline Operators

1 Introduction and Scope

1.1 Introduction

Pipeline operators' public awareness programs provide safety information to stakeholders to help keep communities near pipelines safe. This recommended practice (RP) provides guidance for pipeline operators to develop and manage public awareness programs tailored to meet the needs of the community. It is meant to raise the quality of public awareness programs and align baseline core safety messages across the industry.

Two important objectives of this RP are to provide the following:

- a framework to help each pipeline operator create and manage a public awareness program,
- a process for periodic program evaluation to encourage each operator to enhance the program, at the operator's discretion, as circumstances warrant.

1.2 Scope

The scope of this RP covers the development, implementation, evaluation, and documentation of public awareness programs associated with the normal operation of existing pipeline systems and facilities, including the following:

- transmission pipelines,
- local distribution systems,
- gathering lines.

Communications related to new pipeline construction, offshore operations, and during emergencies are not covered by this RP, nor is it intended to provide guidance to operators for communications about operator-specific performance measures that are addressed through other means of communication or regulatory reporting.

Furthermore, this RP recognizes that there are differences in pipeline conditions, release consequences, populations, increased development and excavation activities, and other factors associated with individual pipeline systems. Some areas with pipelines have a low population, low turnover in residents, and little development or excavation activity; whereas other areas have very high population, high turnover, and extensive development and excavation activity.

Finally, this RP provides the operator with the elements of a recommended baseline public awareness program and considerations to determine when and how to enhance the program to provide the appropriate level of public awareness outreach. Enhancements may affect messages, delivery frequency and methods, geographic coverage areas, program evaluation, and other elements.

2 Regulatory Compliance

This RP is intended to provide a framework for public awareness programs designed to help pipeline operators comply with federal regulatory requirements found in 49 *Code of Federal Regulations (CFR)* Parts 192 and 195. Should this RP be incorporated into regulation, operators must follow its general provisions unless justification is provided in their programs or procedural manuals as to why compliance with all or certain provisions is not practicable and/or not necessary for safety.

The principal compliance elements include the following.