Chapter 1
Introduction, Scope and Purpose

Michael Callan
Chapter 1 - Objectives

1. Describe The Scope, Purpose And Target Audience For The Pipeline Emergencies Textbook.
2. List The Key Players Who May Become Involved In A Major Pipeline Emergency And Describe Their Role In Resolving The Emergency.

Chapter 1 - Instructor Chapter Overview

Scope:
This program on pipeline emergencies covers the vast underground and aboveground pipelines transporting liquids and gases for commercial and consumer uses daily in a safe and relatively economical mode of transportation.

Purpose:
This program is about how to respond safely and effectively to pipeline incidents and emergencies.

Written by emergency responders for emergency responders, and integrates technical information from pipeline operators and response specialists.

Target Audience:
Curriculum is for emergency responders from public safety and industrial organizations.

This includes:
Fire and rescue personnel
Hazardous Materials Response Teams (HMRTs)
Industrial Emergency Response Teams (ERTs)

Interest to:
Emergency management
Emergency medical services
Law enforcement agencies

**Secondary:**

- Pipeline operations personnel
- Public utilities personnel
- Local, county and state agency personnel with pipeline responsibilities.

**Key Players and Role responsibilities:**

The **Incident Commander** (IC or Command) – responsible for managing the incident action plan.

**Unified Commanders** (UC) – representatives from each of the primary responding agencies who represent their agency’s interests.

**ICS General Staff** – consists of Section Chiefs with responsibilities of broad response functions to mitigate the emergency.

**ICS Command Staff** - individuals appointed by the IC and report directly to the IC.

**Additional players** include Fire/Rescue/EMS companies, law enforcement agencies, ERT, HMRT, Communication personnel, pipeline control center, pipeline operator representatives, pipeline facility managers, pipeline contractors, support personnel, environmental clean-up contractors, government officials, news media, investigators, victims spectators and the pipeline and hazardous material.
Slide [1]
Chapter 1 -
Introduction,
Scope and Purpose

[2] Objectives
a) Describe The Scope, Purpose And Target Audience For The Pipeline Emergencies Textbook.

b) List The Key Players Who May Become Involved In A Major Pipeline Emergency And Describe Their Role In Resolving The Emergency.

[3] Introduction
a) Pipelines Are Important to Both Our National Economy And Security
b) There Is Approximately 327,000 Miles Of Natural Gas Transmission Pipelines
c) 1.8 Million Miles Of Natural Gas Distribution Pipelines
d) 161,000 Miles Of Liquid Pipelines
e) All Safely Transporting Natural Gas And A Range Of Liquid Petroleum Products Daily
### [4] Introduction

- a) This Book Is About How To Respond Safely And Effectively To Pipeline Incidents And Emergencies
- b) It Is Written By Emergency Responders For Emergency Responders
- c) It Integrates Technical Information From Pipeline Operators And Response Specialists Within The Petroleum And Chemical Industries

### [5] Introduction

- a) Topics Will Include:
- b) Primary Regulations And Standards That Govern Pipeline Operations
- c) Basic Principles Of Both Liquid And Gas Pipeline System Operations,
- d) Common Products, And Their Associated Physical And Chemical Properties
- e) Tactical Procedures For Pipeline Incidents
- f) Including Guidelines For Common Pipeline Response Scenarios

### [6] Target Audience

- a) The Primary Target Audience
- b) Emergency Responders From Public Safety And Industrial Organizations
- c) Fire And Rescue
- d) Hazardous Materials Response Teams (HMRT)
- e) Industrial Emergency Response Teams (ERT).
- f) Certain Sections Will Also Appeal To: Emergency Management
- g) Emergency Medical Services
- h) Law Enforcement Agencies.
[7] Target Audience
   a) The Secondary Audience
   b) Pipeline Operations Personnel Who Will Respond To A Pipeline Emergency On Behalf Of The Oil And Gas Pipeline Industry
   c) Public Utilities Personnel
   d) Local, State And Federal Government Agency Personnel With Pipeline Inspection And Enforcement Duties

[8] Command Players
   a) The Incident Commander (Command Or IC)
      i) The Individual Responsible For Establishing And Managing The Overall Incident Action Plan (IAP).
   b) Unified Commanders (UC)
      i) Command Level Representatives From Each Of The Primary Responding Agencies Who Present Their Agency’s Interests As A Member Of A Unified Command Organization

[9] Command Players
   a) ICS General Staff
      i) Section Chiefs Responsible for Broad Response Functions (Operations, Planning, Logistics, and Finance)
   b) ICS Command Staff
      i) Those Individuals Appointed By And Directly Reporting To The IC
[10] The Players, Branch/Group
   a) Fire/Rescue/EMS Companies
   b) Police Officers And Law Enforcement Personnel
   c) Emergency Response Team (ERT)
   d) Hazardous Materials Response Teams (HMRT)
   e) Communications Personnel
   f) Pipeline Control Center
   g) Pipeline Operator Representatives

   a) Pipeline Facility Managers
   b) Pipeline Contractors
   c) Support Personnel
   d) Government Officials
   e) News Media
   f) Investigators
   g) Victims
   h) Spectators
   i) The Pipeline
   j) The Hazardous Material

[12] Summary
   a) Pipelines Are An Integral Part Of Our Society.
   b) This Book Is About How To Respond Safely And Effectively To Pipeline Incidents And Emergencies.
   c) The Primary Target Audiences For The Pipeline Emergencies Curriculum Are Fire And Rescue Personnel, Hazardous Materials Response Teams, And Industrial Emergency Response Teams