



§192.615 Emergency Plans

PHMSA Training and Qualifications

§192.605 O&M Manual

- ◆ Each operator shall prepare and follow for each pipeline, a manual of written procedures for conducting operations and maintenance activities and for emergency response.
- ◆ The procedures required by §§192.613(a), **192.615**, and 192.617 must be included in the manual required by paragraph (a) of this section

§192.615 Emergency Plans

- ◆ §192.615 (a) Each operator shall establish written procedures to minimize the hazard resulting from a gas pipeline emergency.





§192.615 (a)(1) Emergency Plans



- ◆ Procedures for receiving, identifying, and classifying notices of events which require an immediate response

§192.615 (a)(1) Emergency Plans

- Receiving Notices:
 - 24 hour telephone number
 - Toll free or collect call
 - Number changed
 - Company during the day, or police or answering service at night?
 - How is it answered?



§192.615 (a)(1) Emergency Plans



- ◆ Identifying Notices:
 - List of questions to help identify the type of emergency event
 - Contact information
 - Location of event
 - Training to determine the type of event, is it an emergency event, are people in danger, is it on your system?

§192.615 (a)(1) Emergency Plans



◆ Instructions for Callers:

- Safety instructions for someone reporting a natural gas pipeline event
- Do the instructions provide information for the safety of people first

§192.615 (a)(1) Emergency Plans

◆ Classifying Notices:

- How do you classify events?
 - Priority 1 = Immediate response
 - Priority 2 = Next available person
 - Priority 3 = Someone within 2 hours
- Person receiving trained to understand and make decisions

§192.615 (a)(2) Emergency Plans

- ◆ Establishing and maintaining adequate means of communication with appropriate fire, police, and other public officials.
 - Current list of emergency contact numbers, and update the list at regular intervals
 - Field and call center
 - ADB-2012-09 – Communication during Emergency Situations
 - Alternate communication plans

§192.615 (a)(2) Emergency Plans

- ◆ Establishing and maintaining adequate means of communication with appropriate fire, police, and other public officials
 - Additional telephone trunk lines, switchboard facilities, or personnel, in case of telephone line damage and to handle increased call volume
 - Back-up power supply for the operations center in case of power failure
- ◆ ADB-2010-08 and ADB-2012-09



Communication Issues



§192.615 (a)(3) Emergency Plans

- ◆ Prompt and effective response to a notice of each type of emergency, including the following:
 - ✧ Gas detected inside or near a building
 - ✧ Fire located near or directly involving a pipeline facility
 - ✧ Explosion occurring near or directly involving a pipeline facility
 - ✧ Natural disaster



§192.615 (a)(4) Emergency Plans

- ◆ The availability of personnel, equipment, tools, and materials, as needed at the scene of an emergency
 - ✧ Current personnel contact lists, numbers, and responsibilities
 - ✧ Current lists of equipment, tools, and materials, needed to respond to possible types of emergencies
 - ✧ Current contractor contact list, capabilities, and equipment, available to respond to an emergency

§192.615 (a)(4) Emergency Plans



- ◆ The availability of personnel, equipment, tools, and materials, as needed at the scene of an emergency
 - Responsibility for overall coordination of personnel and execution of the emergency response plan
 - Incident command system (ICS)

§192.615 (a)(5) Emergency Plans

- ◆ Actions directed toward protecting people first and then property.
 - Determine the scope of the emergency.
 - Evacuate and prevent access to premises that are or may be affected.
 - Prevent accidental ignition.
 - Report to the appropriate supervisor on the situation, and request further instructions or assistance if needed.

§192.615 (a)(5) Emergency Plans

- ◆ Actions directed toward protecting people first and then property.

H	Hazard
E	Extent
L	Life
P	Property
S	Safe

§192.615 (a)(6) Emergency Plans

- ◆ Emergency shutdown and pressure reduction in any section of the operator's pipeline system necessary to minimize hazards to life or property
 - ✕ Plans to shut down or reduce pressure should consider:
 - Responsibility for shutdown
 - Identification of critical valves, access to and operability of valves
 - Other facilities required for shutdown

§192.615 (a)(6) Emergency Plans

- ◆ Emergency shutdown and pressure reduction in any section of the operator's pipeline system necessary to minimize hazards to life or property
 - ✕ Plans to shut down or reduce pressure should consider:
 - Provisions for confirming that the shutdown or pressure reduction was effective
 - Coordination with control room

§192.615 (a)(7) Emergency Plans

- ◆ Making safe any actual or potential hazard to life or property
 - ✕ Eliminating potential sources of ignition
 - ✕ Determining the full extent of the hazardous area, including areas of gas migration and secondary or auxiliary damage
 - ✕ Monitoring for a change in the extent of the hazardous area or other conditions

§192.615 (a)(8) Emergency Plans

- ◆ Notifying appropriate fire, police, and other public officials of gas pipeline emergencies and coordinating with them both planned responses and actual responses during an emergency.
 - ✕ Contacting and coordinating with fire, police, and other public officials, the actions to be taken
 - ✕ Maintaining ongoing communication to ensure that information pertinent to emergency response is shared in a timely manner.
 - ✕ Notifying response personnel when the emergency has been made safe.
 - ✕ ADB-2012-09

§192.615 (a)(9) Emergency Plans

- ◆ Safely restoring any service outage
 - ✗ Re-survey of the area involved in an incident to locate any additional damages
 - ✗ Communication with control room
 - ✗ Purging and re-pressuring of pipeline facilities
 - ✗ Monitoring of facilities after service is restored



§192.615 (a)(10) Emergency Plans

- ◆ Beginning action under §192.617, if applicable, as soon after the end of the emergency as possible.
 - Procedures for initiating investigation of failures in accordance with §192.617
 - ✗ Log of significant events and of actions taken
 - ✗ Preservation of failed facilities or equipment for analysis.
 - ✗ Obtaining and submitting information required by regulatory bodies

§192.615 (a)(11) Emergency Plans



- ◆ Actions required to be taken by a controller during an emergency in accordance with § 192.631

§192.615 (b) Emergency Plans



- ◆ Each operator shall:
 - › Furnish supervisors who are responsible for emergency action a copy of that portion of the latest edition of the emergency procedures established under paragraph (a) of this section as necessary for compliance with those procedures

§192.615 (b) Emergency Plans

- ◆ Each operator shall:
 - ✗ Train the appropriate operating personnel to assure that they are knowledgeable of the emergency procedures and verify that the training is effective.
 - ✗ Review employee activities to determine whether the procedures were effectively followed in each emergency.

§192.615 (c) Emergency Plans

- ◆ Each operator shall establish and maintain liaison with appropriate fire, police, and other public officials to:
 - ✗ Learn the responsibility and resources of each government organization that may respond to a gas pipeline emergency
 - ✗ Acquaint the officials with your abilities in responding to a gas pipeline emergency

§192.615 (c) Emergency Plans

- ◆ Each operator shall establish and maintain liaison with appropriate fire, police, and other public officials to:
 - ✕ Identify the types of gas pipeline emergencies which may require notification
 - ✕ Plan how you and the public officials can engage in mutual assistance to minimize hazards to life or property

What is liaison?



- ◆ Coordination: the exchange of information or the planning of joint efforts by two or more people or groups, often of military personnel
- ◆ A communication for establishing and maintaining mutual understanding and cooperation

Liaison Issues

- ◆ Generic message to attend meeting doesn't catch attention
 - Use term "PIPELINE EMERGENCY"
 - Use titles rather than names for invitations
 - Multiple invitations for large departments
- ◆ Credit for training
 - Qualify for HAZWOPER or emergency training
 - Make credits easy

Liaison Meetings

- ◆ Prefer face to face meetings rather than public meetings
 - At their facility
 - Prefer local operations people
 - Contact all shifts
 - Volunteer departments – weekends rather than weekday

Emergency Plans

- ◆ ADB – 10 – 08 – Emergency Plans
- ◆ Don't want full plan
- ◆ Quick reference on:
 - what to do and
 - contact lists
- ◆ Portable – multiple copies and available in their vehicles

Don't forget

- ◆ Activities under §192.615 may also be credited to §192.616 – Public Awareness Drills, planning meetings

Document, document, and document some more



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