

# Emergency Plans

§192.615

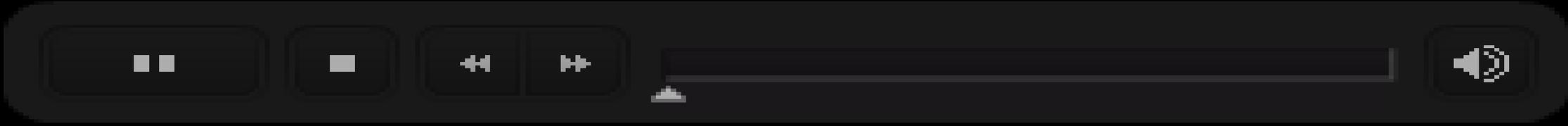
# §192.605 O&M Manual

- 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.





*Humberto Vidal – S.J., Puerto Rico*

# §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
    - ???
  - How is it answered?
    - ???

# §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 calls - trained to understand and make decisions

# §192.615 (a)(2) Emergency Plans

- Establishing and maintaining adequate means of communication with fire, police, and other public officials.
  - Current list of emergency contact numbers,
  - update the list at regular intervals
    - Field and call center

The image shows a sample 'EMERGENCY CONTACT LIST' form. The form is titled 'EMERGENCY CONTACT LIST To Be Posted at All Work Locations' and includes a 'JustrLogo' in the top right corner. It is divided into several sections:

- EMERGENCY RESPONSE CONTACTS:** Includes fields for 'Fire', 'Police', 'Police (non-emergency)', 'Disaster Services', 'Police (Special)', 'Fire (Special)', 'Other as needed', 'Residence', 'Safety Coordinator', 'Dispatch', and 'Other as needed'.
- COMPANY CONTACTS:** Includes fields for 'VICE', 'Environment', and 'Other as needed'.
- PROVINCIAL/FEDERAL GOVERNMENT CONTACTS:** Includes fields for 'Power Company', 'Telephone Company', and 'Gas Company'.
- OTHER CONTACTS:** Includes fields for 'COMPANY NAME', 'COMPANY #', and 'CONTACT #'.
- CLIENT SAFETY CONTACT:** Includes fields for 'COMPANY #', 'CONTACT', and 'CONTACT #'.
- LOCAL EMERGENCY NUMBERS BY INDIANORE COMMUNITY:** A table with columns for 'AREA', 'POLICE DISPATCH', 'POLICE EMERGENCY', 'FIRE', 'AMBULANCE', 'HOSPITAL', and 'MEDICAL LAB'.

At the bottom of the form, there are fields for 'Company Name', 'Address', and 'Phone Number'.

## §192.615 (a)(2) Emergency

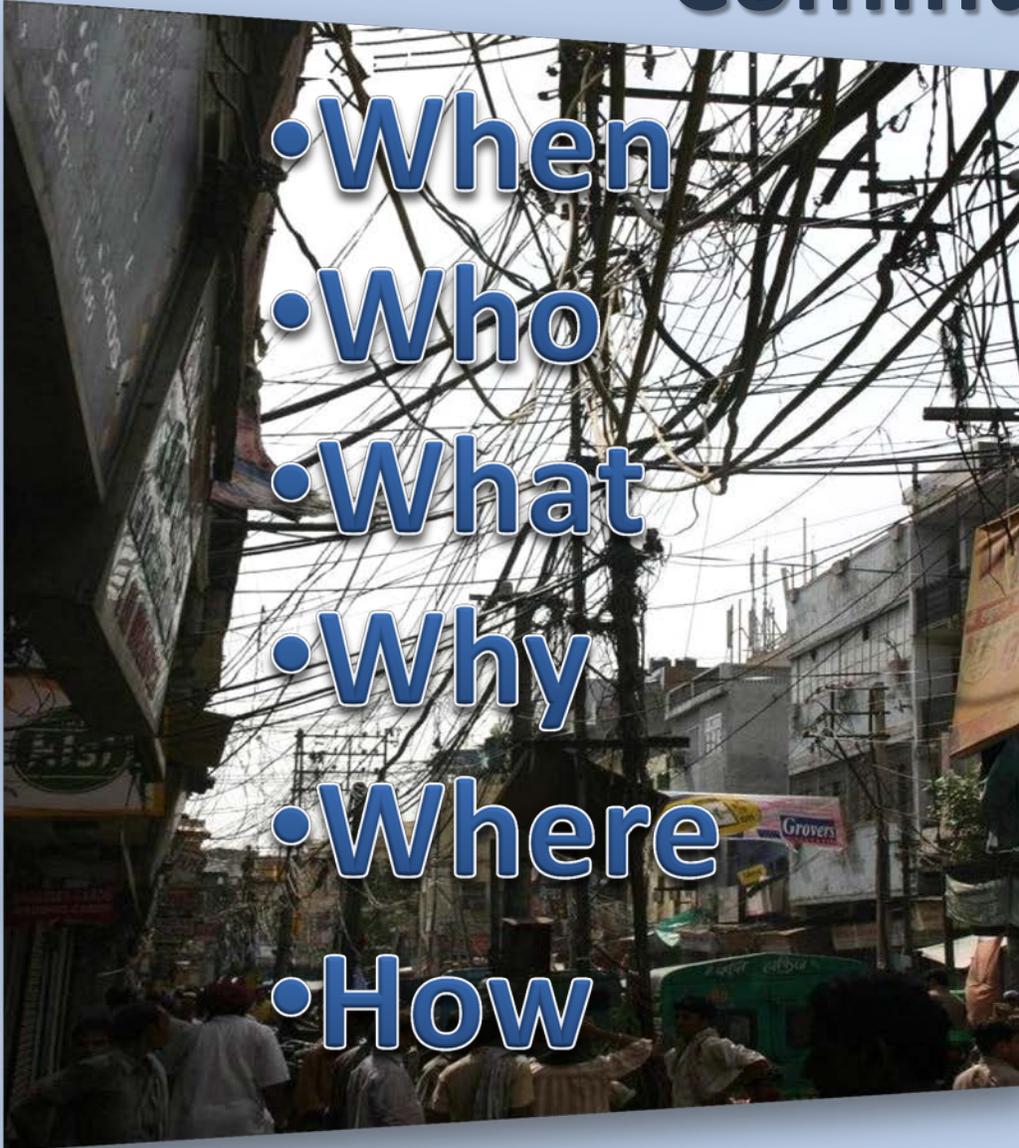
- How do you respond to these notifications?
- Additional telephone trunk lines, switchboard facilities, or personnel
- Back-up power supply



# Communications Issues

- When
- Who
- What
- Why
- Where
- How

W5H



## §192.615 (a)(3) Emergency Plans

- Prompt and effective response to a notice of each type of emergency:
  - Gas detected inside or near a building
  - Fire located near or directly involving a pipeline facility



## §192.615 (a)(3) Emergency Plans

- Explosion occurring near or directly involving a pipeline facility

# §192.615 (a)(3) Emergency Plans

- Natural disasters



# §192.615 (a)(4) Emergency Plans

## Emergency Contacts

Name	Position	Number
Miller	Fitter	333-1234
Friend	Laborer	333-5678
Santos	Crew Leader	333-9012
West	BH-Operator	333-3456
Wa-Le	Line Tech	333-7890
Kichler	Locator	333-5555

- Availability of personnel, equipment, tools, and materials, as needed at the scene of an emergency
  - Current
    - personnel contact lists, numbers, and responsibilities
    - lists of equipment, tools, and materials,
    - contractor contact list, capabilities, and equipment, available to respond to an emergency

# §192.615 (a)(4) Emergency Plans

- 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

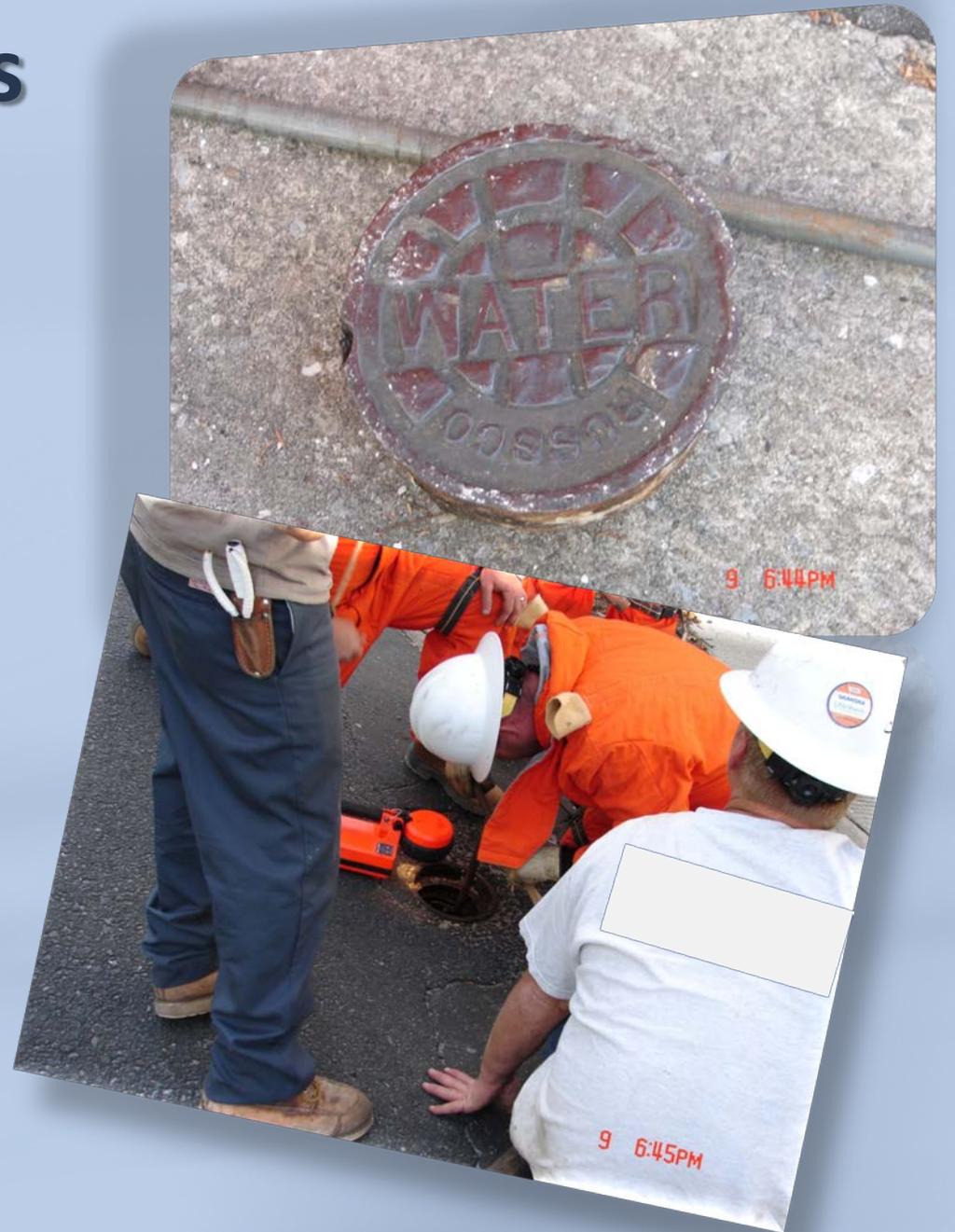
# §192.615 (a)(6) Emergency Plans



- Emergency shutdown and pressure reduction necessary to minimize hazards to life or property
  - Should consider:
    - ✓ Responsibility for shutdown
    - ✓ Identification of critical valves, access to and operability of valves

## §192.615 (a)(6) Emergency Plans

- Plans to shut down or reduce pressure should consider:
  - ✓ Provisions for confirming effectiveness
  - ✓ Other facilities required for shutdown



# §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 ...
  - Contacting and coordinating with public officials, the actions to be taken
  - Maintaining ongoing communication to ensure that information is:
    - pertinent to emergency response
    - shared in a timely manner.
  - Notifying response personnel when the emergency has been made safe.
  - ADB-2012-09

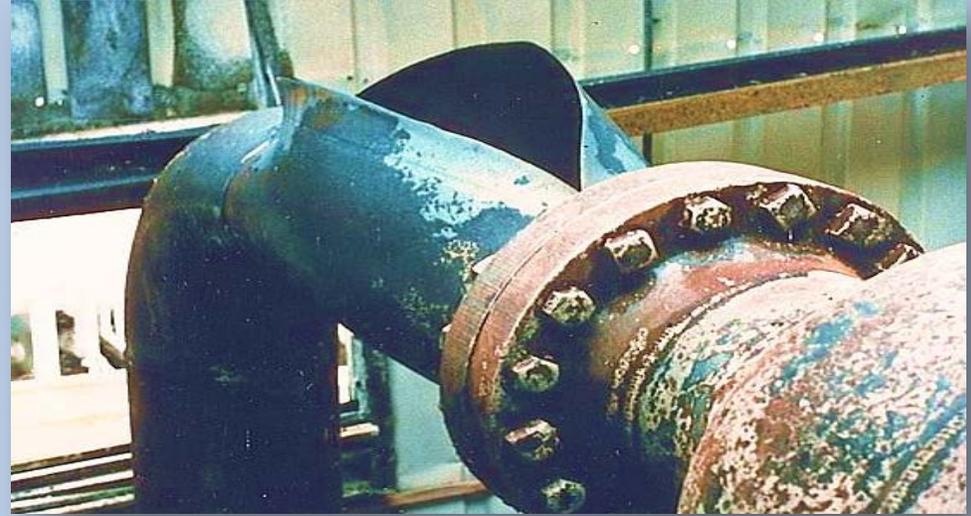


## §192.615 (a)(9) Emergency Plans

- 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



- 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)(10) Emergency Plans

- Incident Command System



- [FEMA ICS Resource Center](#)

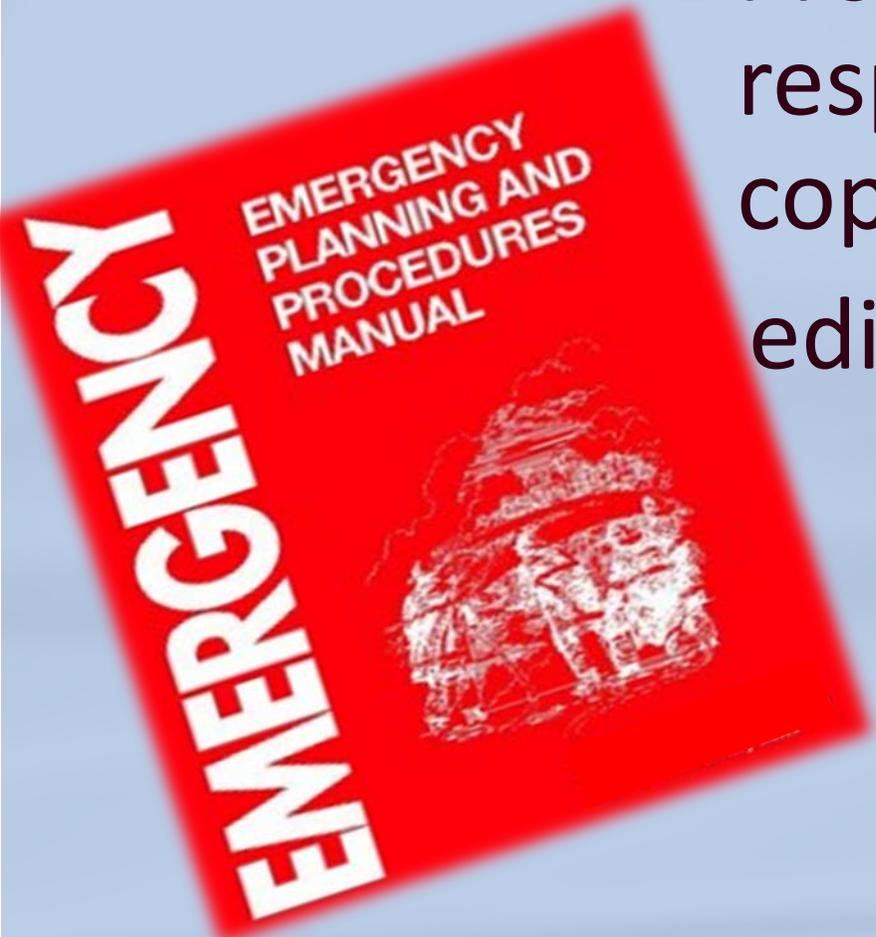
# §192.615 (a)(11) Emergency Plans

- Actions required to be taken by a controller



## §192.615 (b) Emergency Plans

- Each operator shall:
  - Provide supervisors who are responsible for emergency action a copy of that portion of the latest edition of the emergency procedures



## §192.615 (b) Emergency Plans



- Each operator shall:
  - Train the appropriate operating personnel
  - Review employee activities

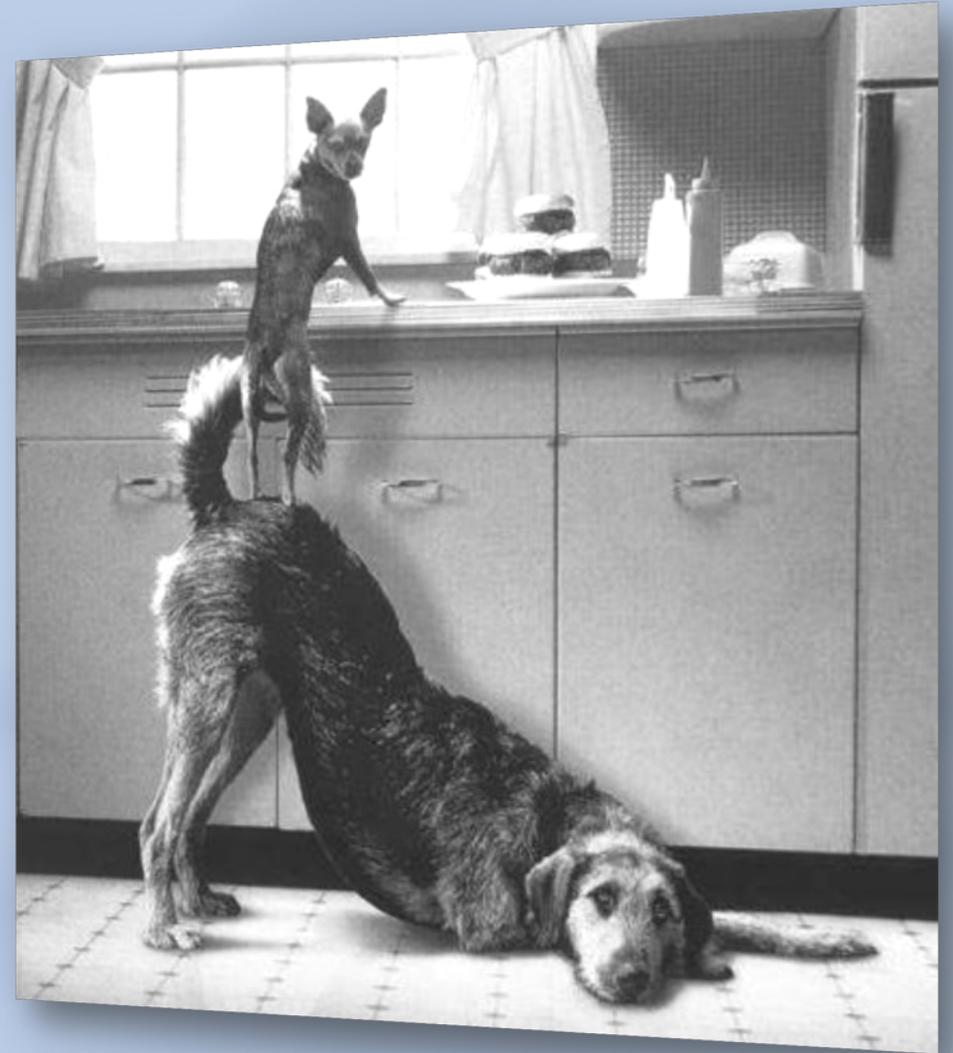
# §192.615 (c) Emergency Plans

- Shall establish and maintain liaison with fire, police, and other public officials to:
  - Learn their responsibilities and resources
  - Acquaint them with your abilities in responding to a gas pipeline emergency



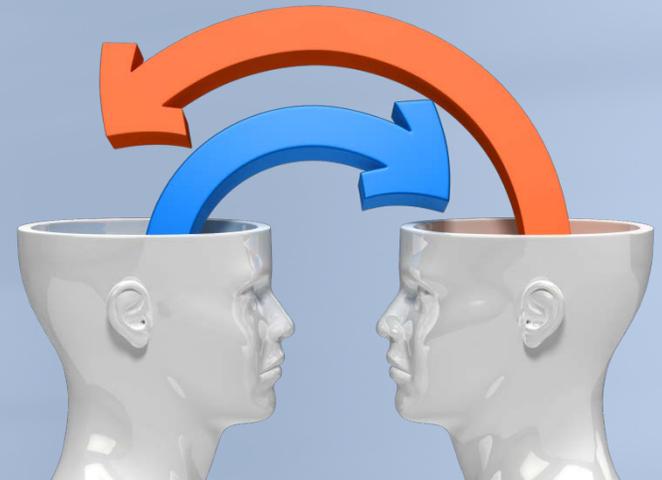
## §192.615 (c) Emergency Plans

- 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

# Questions?

