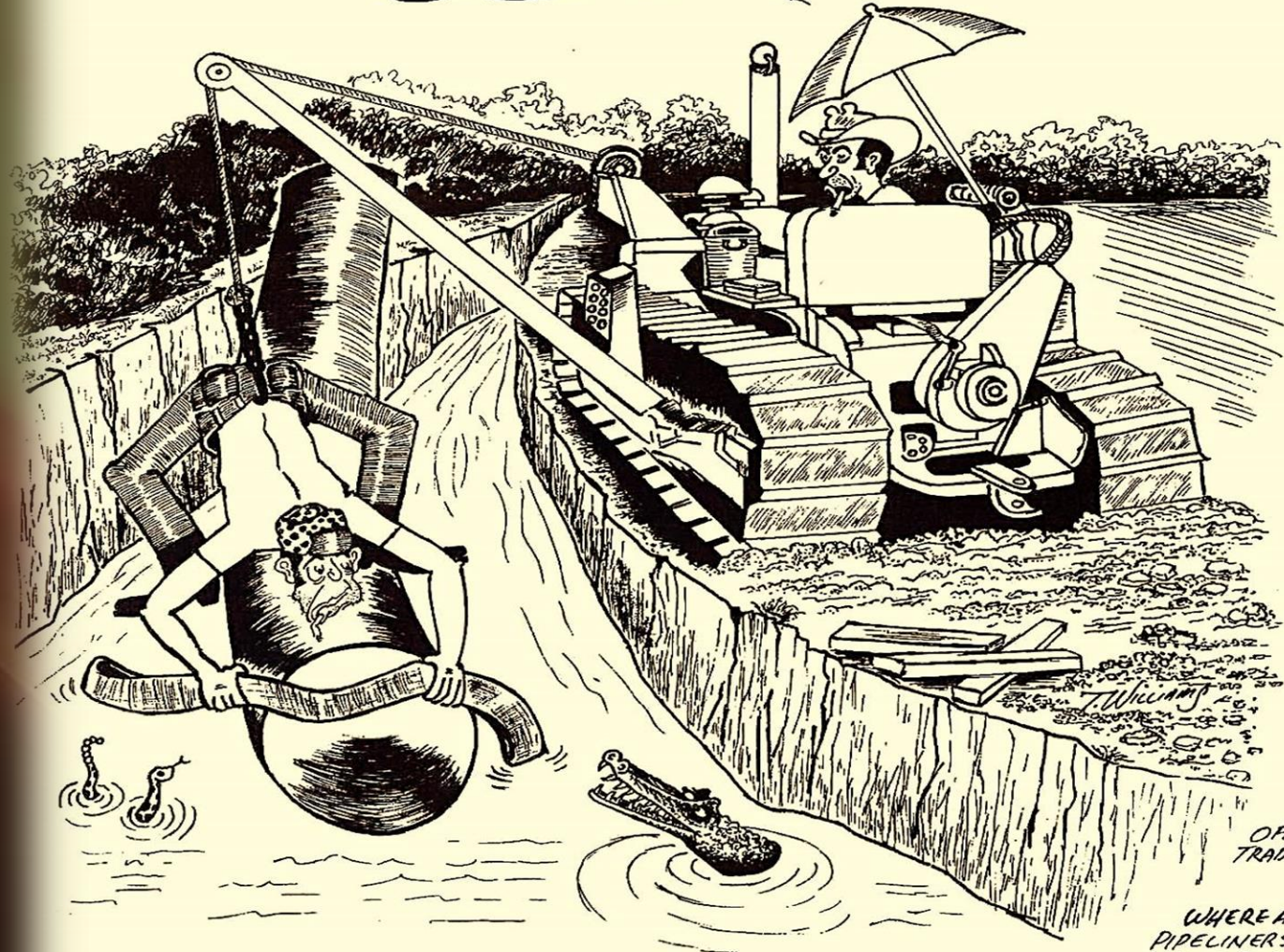




# The TYPICAL PIPELINER

Cum' ON "PEARLIE MAY"  
NOOSE IT! - WE AIN'T GOT  
ALL DAY -



\$129<sup>00</sup> PAIR OF  
SWEPT-WING CHROMATED  
"HOLLYWOOD" SUNGLASSES -  
PROTRUDING LOWER  
LIP FULL OF SKOAL -

\$237.<sup>99</sup> 5-XXXXX  
BEAVER STETSON.

CAULIFLOWERED EAR - HIS  
WIFE GAVE HIM THE LAST  
TIME HE WAS HOME.

SIX-MONTH OLD HAIRCUT

\$119<sup>00</sup> WESTERN SHIRT  
WITH MOTHER-OF-PEARL  
BUTTONS.

THREE KING EDWARD  
IMPERIAL CIGARS -

LITTLE "BROWN-BAG"  
OF SOUTHERN COMFORT.

LATEST ISSUE OF  
PIPELINERS WEEKLY.

\$600<sup>00</sup> HAMILTON RAILROAD  
WATCH WITH A 59¢ LEATHER-  
BRASS BOB.

\$4<sup>00</sup> PAIR OF SEARS  
LEVIS WITH WORN-OUT  
KNEES FROM "SHOOT'N  
CRAPS".

\$589<sup>00</sup> HAND-MADE  
OSTRICH BOOTS.

WELL EARNED BEER-BELLY  
FROM DRINKING COORS  
AND EATIN' VIENNIES

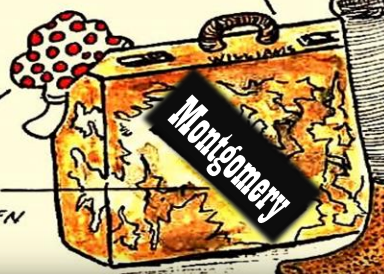
\$2449.<sup>99</sup> DIAMOND  
RING.

4X6 - CHROME  
BELT BUCKLE.

\$2.<sup>50</sup> FLEA MARKET  
PASTEBOARD SUITCASE.

OFFICAL  
TRADE-MARK

WHERE ALL GOOD  
PIPELINERS GO WHEN  
THEY DIE.





# Improving O&M & Emergency Procedures



Specificity and details  
for written procedures

Montgomery, Alabama





# Contact Information



Wayne St. Germain

Pipeline Safety Specialist

U.S. Department of Transportation

PHMSA Inspector Training and Qualifications

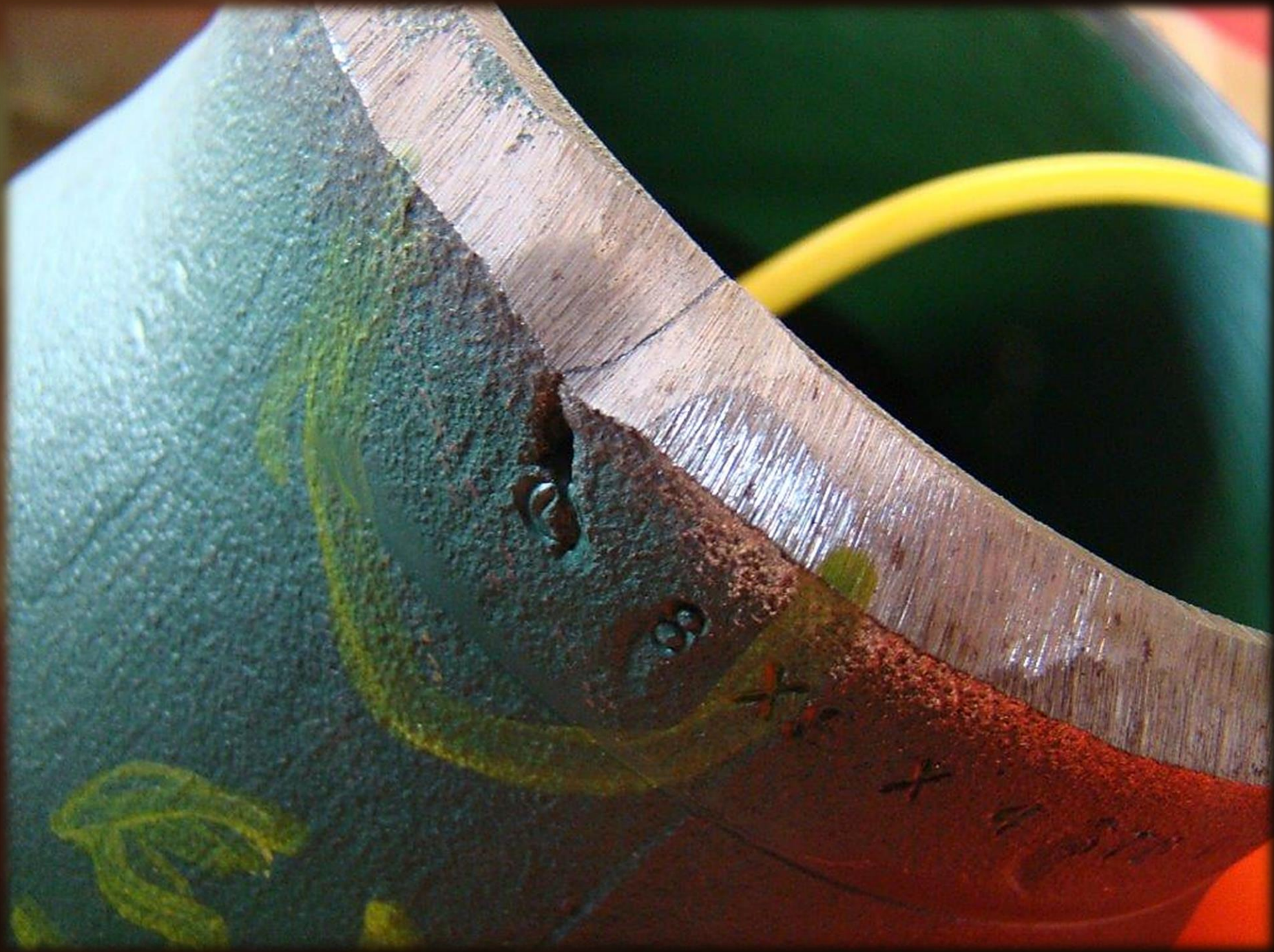
Email: [wayne.stgermain@dot.gov](mailto:wayne.stgermain@dot.gov)





# What's Wrong With This Picture





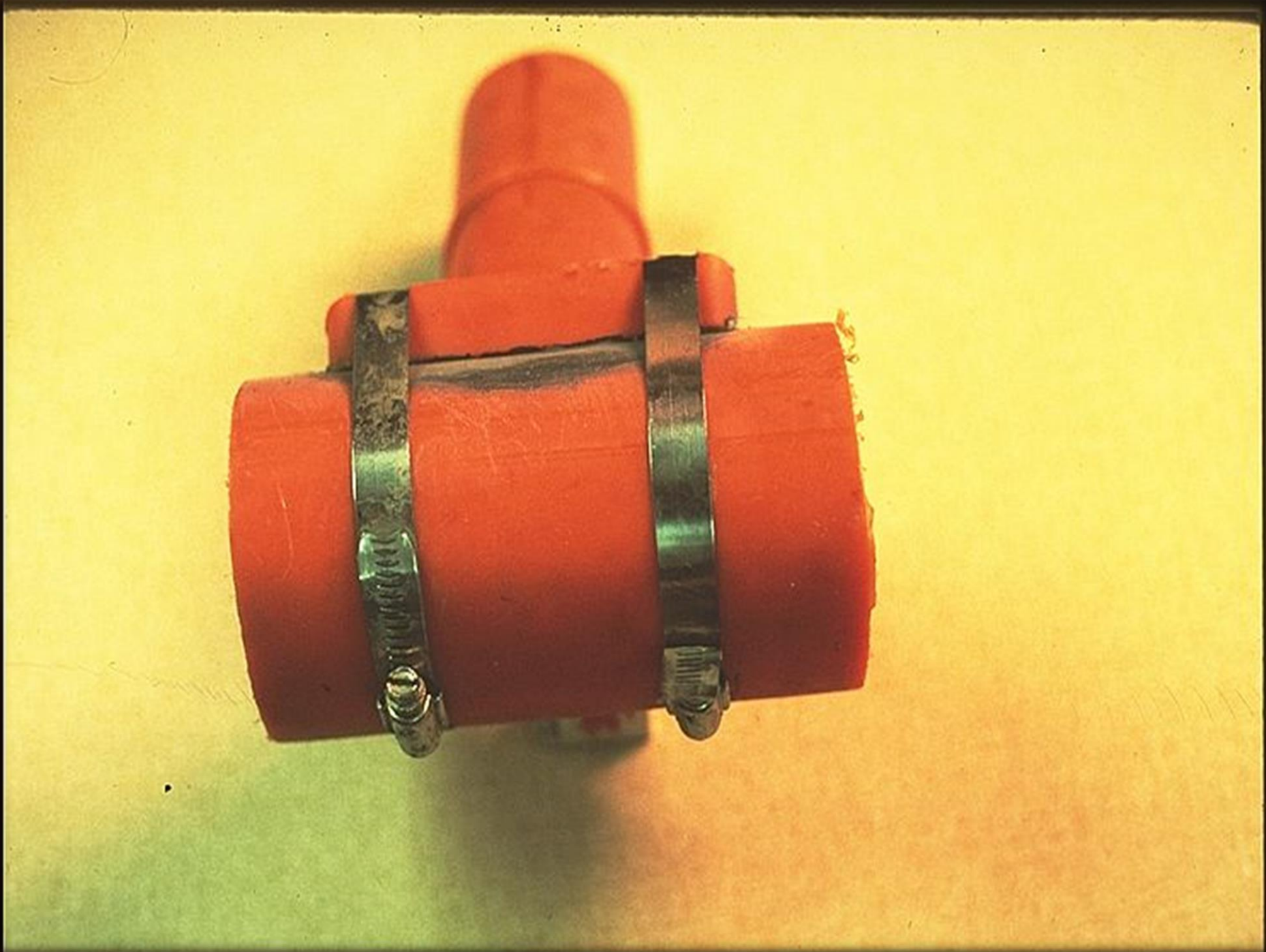






















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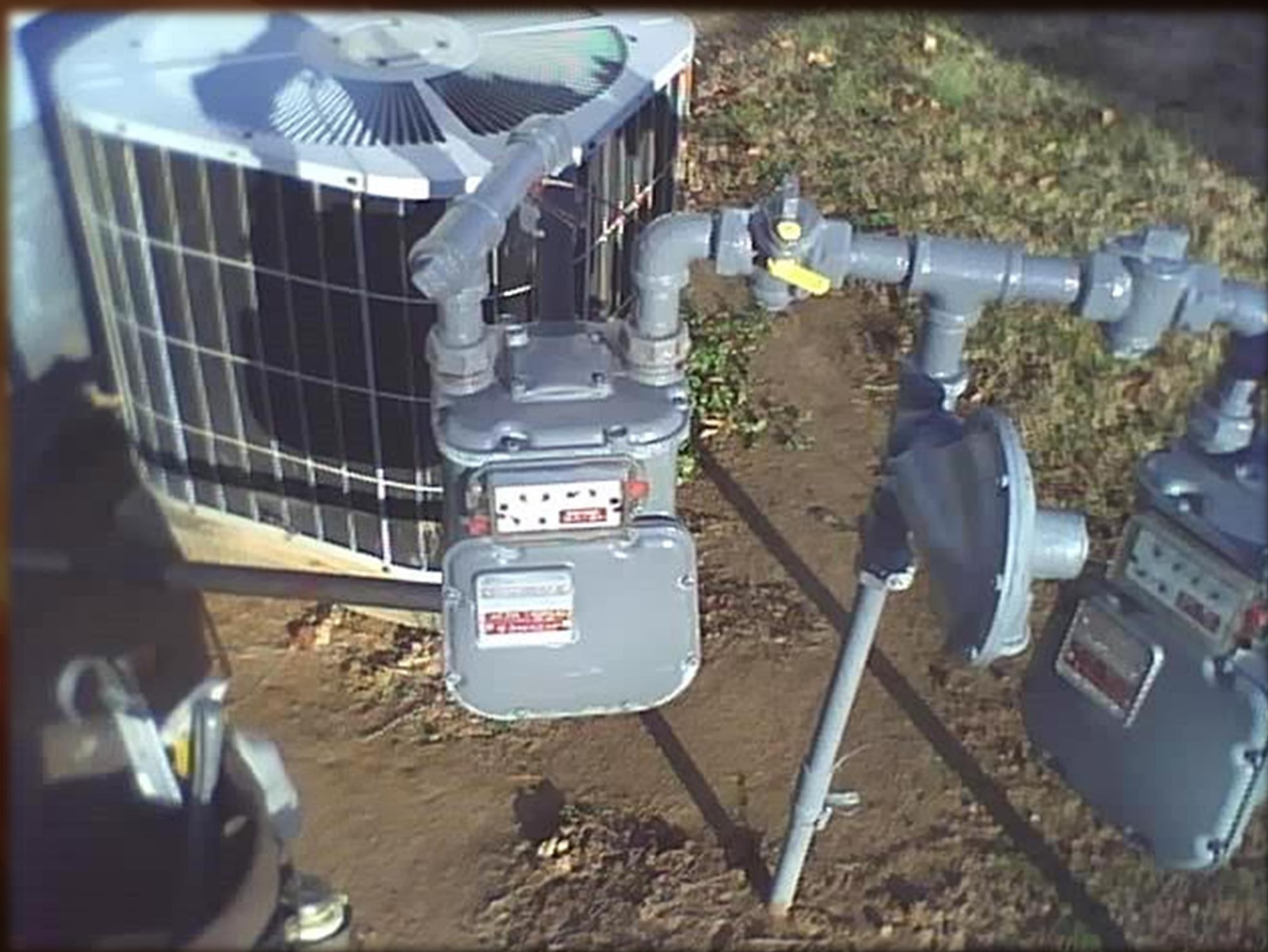
















# A Wide Shot for Perspective (note the severely sloped driveway)











# Improving O&M & Emergency Procedures

Specificity and details  
for written procedures

Montgomery, Alabama



# specificity

Would you order  
Strawberry?  
Cherry?  
Raspberry?  
Cinnamon?  
Red Velvet Cake?

Or . . .

Would you  
Just order RED?





Mosquito?



Flea?



details



Hippopotamus?



Or . . .  
Spider?





# O&M Plans

- ▣ Details
  - Who
  - What
  - When
  - Where
  - Why
  - How
  - Other information to provide clarity



# O&M Manuals

- ▣ the plans should be an outline for compliance.
  - They should either say what you do  
or,
  - You should do what they say

Either way you will be in compliance with your own procedures



# O&M Manuals

## Example:

There are two types of full encirclement sleeves.

- **Type A** is nonpressure-containing
- **Type B** is pressure-containing

*Note:* Dresser-style reinforcement sleeves, weldovers, pumpkins, and possum bellies are also pressure-containing sleeves used in special-case repairs. Consult with the appropriate supervisor for their application



# O&M Manuals

- ▣ Only the right combination of specificity and detail will provide what we essentials to achieve these goals and give us the compliance we want and need.



# Specificity & Detail

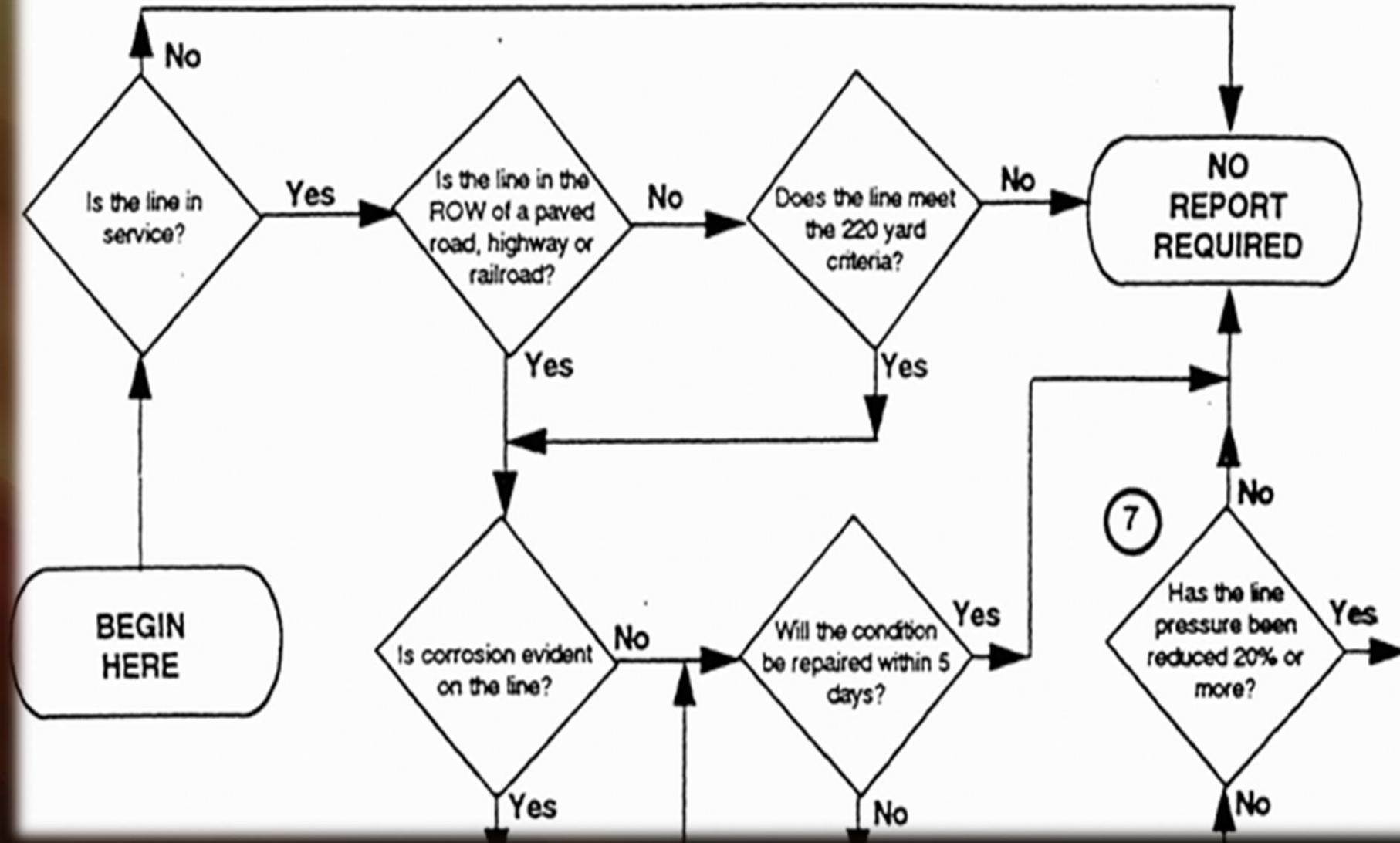
- ▣ Other things that add specificity, detail and clarity
  - Flowcharts, Drawings and photos
  - Tables
  - Definitions
  - References to DOT codes





# Specificity & Detail - Flowcharts

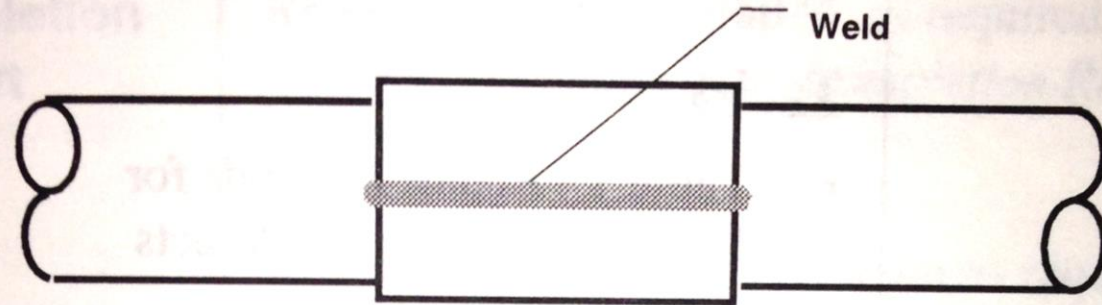
## Safety Related Condition Evaluation for Reporting



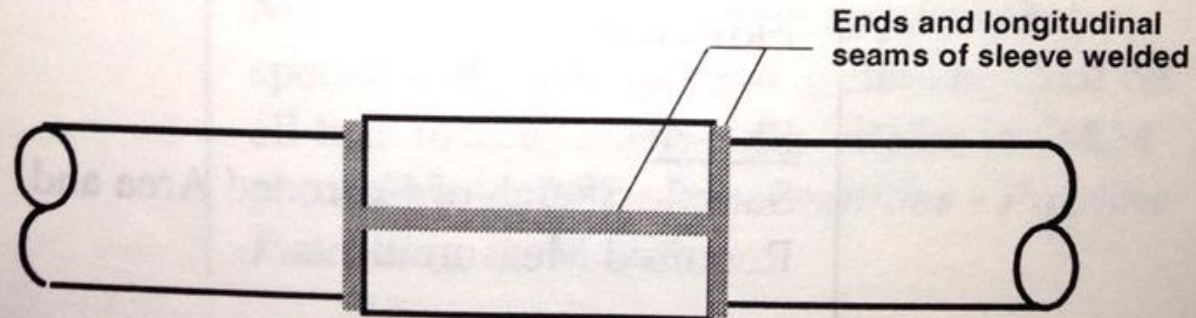


# Specificity & Detail -Drawings

**Type A Sleeve**

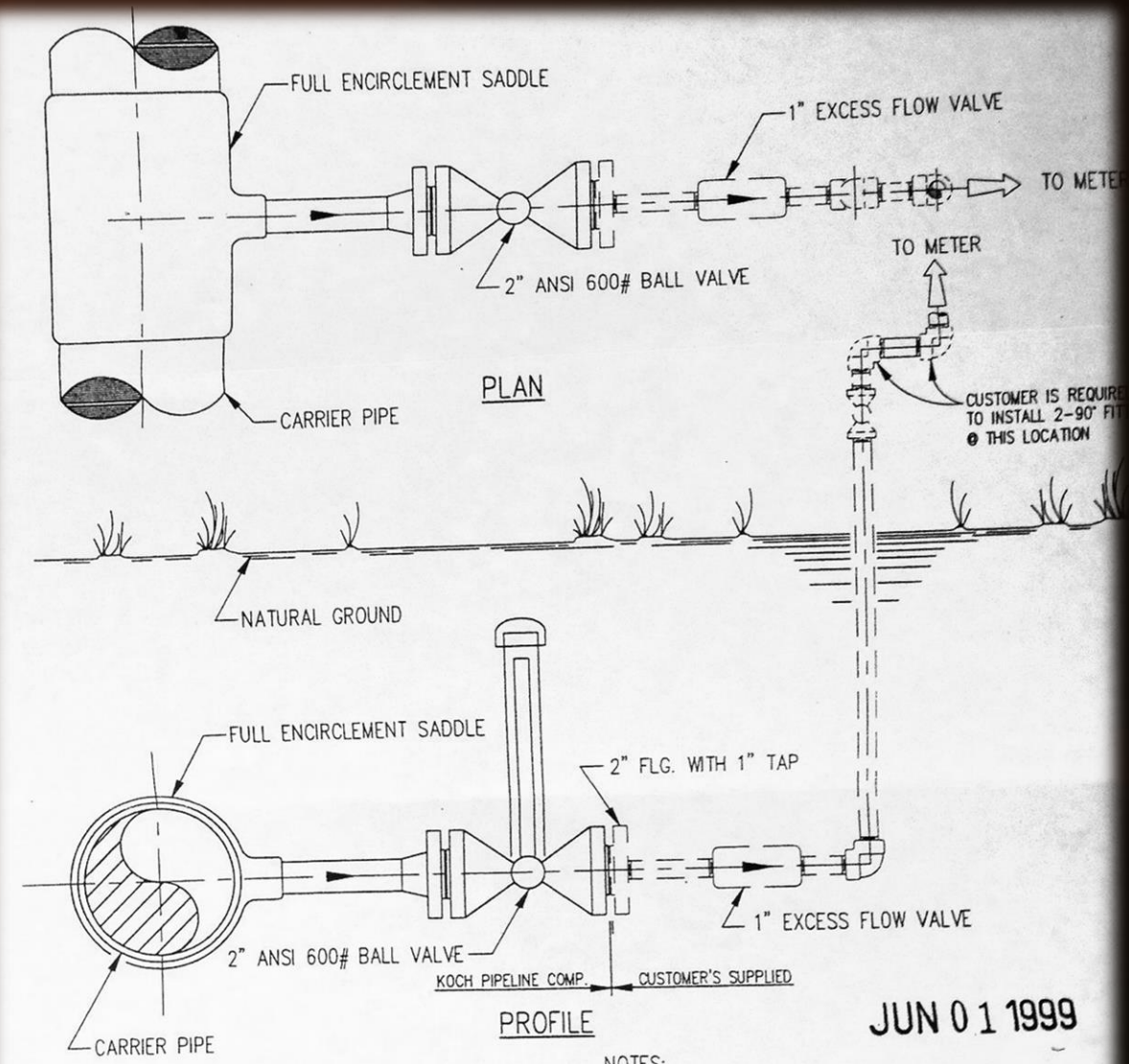


**Type B Sleeve**





# Specificity & Detail -Drawings



- NOTES:
1. CUSTOMER TO PROVIDE BARRICADE OR FENCE TO PROVIDE ADEQUATE PROTECTION FROM 3RD PARTY DAMAGE.
  2. CUSTOMER TO PROVIDE METER TO KGPC SPECIFICATIONS.



# Specificity & Detail -Tables

**Table 1 - Repair Methods for Manufacturing Type Defects**

Manufacturing Defect Type			Sleeve Type		Use Filler Material w/Sleeve	Rep by Re
			"A"	"B"		
In Seam Weld -- Not Leaking	DSAW	Undercut	Yes	Yes	No	Y
		Incomplete Fusion	Yes	Yes	No	Y
		Incomplete Penetration	Yes	Yes	No	Y
		Crack	Yes	Yes	No	Y
	ERW or Flash Weld	Upturned Fiber	No	Yes	No	
		Incomplete Fusion	No	Yes	No	
		Penetrator	No	Yes	No	
		Cold Weld	No	Yes	No	
		Crack	No	Yes	No	
		Seam or Lap	Yes	Yes	No	



# Specificity & Detail -Definitions

## Definitions

**Assembly area** -- an area where the pipeline lies *within 300 feet* of either a building or a small, well-defined outside area (such as a playground, recreation area, outdoor theater, or other place of public assembly) that is occupied by *20 or more* people for *at least 5 days* a week for *10 weeks* in any 12-month period. *Note:* The days of the week need not be consecutive.

**Barrier** -- something that may limit expansion of development.

**Dwelling** -- an occupied residence (house, apartment, or residential house trailer).  
*Note:* Each residence in an apartment counts as an individual dwelling.



# Specificity & Detail

- ▣ Other things that add specificity, detail and clarity
  - References to other Company Manuals or Plans that contain more details and specificity
    - ▣ Corrosion
    - ▣ Safety
    - ▣ Measurement
    - ▣ Design



# Passive vs. Active

- ▣ Example:

“The incident needs to be reported to the pipeline controller.”

*Rewritten.*

The first employee having knowledge of the emergency and/or arriving on the emergency scene will report incident information within 15 min. of notification and/or arriving at the site, to the pipeline control center by telephone or company radio.



# Passive vs. Active

## General Emergency Respon- sibilities

General emergency responsibilities involve:

- First Employee Having Knowledge of Emergency and/or Arriving on Emergency Scene
- Appropriate Supervisors
- Area Manager or His/Her designee
- Pipeline Control Center
- Houston Operations Department
- Reporting and Documenting

### First Employee Having Knowledge of Emergency and/or Arriving on Emergency Scene

**Initial Action** - When an employee is notified of a gas pipeline leak, break, or emergency situation that requires prompt and effective response, the employee should obtain the following information:

- Name of person finding or reporting the leak or emergency situation.
- Telephone number and location where this person can be contacted.
- Severity of leak, break, or emergency.





# Tips to Recognize the Passive Voice

## KEY WORDS

- Be
- Is
- Are
- A
- Was
- Were
- Has been
- Have been
- Will be
- Being



# Passive vs. Active

- ▣ Example:

Extensive training on the new safety procedures is required to be attended by the maintenance staff.

**Rewritten.**

The entire maintenance staff is required to attend extensive training on the new safety procedures from 8 -11 a.m. next Monday in the Welding Shop.



# Passive vs. Active

Correct the following five sentences to practice changing passive to active voice.

1. Hunger was what Bill felt.
2. Reading is enjoyed by Mary.
3. The town was destroyed by fire.
4. Funny is what clowns are.
5. Cheese was liked by Sara.



# Passive vs. Active

Hunger was what Bill felt.

Bill felt hungry. (*Bill* is the subject, *felt* is the action)



# Passive vs. Active

Reading is enjoyed by Mary.

Mary enjoys reading (*Mary* is the subject, *enjoys* is the action)

↳ Reading is enjoyed by Mary.



# Passive vs. Active

The town was destroyed by fire.

Fire destroyed the town (*Fire* is the subject, *destroyed* is the action)

Reading is enjoyed by Mary.



# Passive vs. Active

Funny is what clowns are.

Clowns are funny (*Clowns* is the subject, *funny* is the action)

↳ Reading is enjoyed by Mary.



# Passive vs. Active

Cheese was liked by Sara.

Sara likes cheese (*Sara* is the subject, *likes* is the action)





# Specificity & Detail

- ▣ Problems can occur with operators who fall back on specifics in their OQ Plan to avoid the specifics in their O&M.



# Specificity & Detail

- ▣ Although OQ Plans have specifics, they are not usually available onsite for verification by inspection personnel during O&M activity inspections or emergencies;
  - hence the need for a certain level of specificity and detail in the O&M and Emergency plan procedures



# O&M Plans

- ▣ Remember in the end,
  - The plans should either say what you do
  - or,
  - You should do what they say

Either way you will be in compliance with your own procedures



# More What's Wrong With This Picture

