PIPELINE SAFETY

PLATFORM EVA TO SHORE GAS PIPELINE

Agenda

• Location of Pipeline
• Pipeline Information
• Regulatory Overview
• Gas Gathering Determination
• Integrity Management and High Consequence Area
• Major Programs
  • OQ
  • O&M
  • IMP
  • Drug & Alcohol Program
PIPELINE SAFETY
PLATFORM EVA TO SHORE GAS PIPELINE

Los Patos Vault

PLATFORM EVA
Pipeline information:
Year constructed- 1964
Size OD- 8.625”
MAOP-230 psi
NOP-92 psi
Total Length- 22,709’
Grades- API 5L X42 ERW, A53 GRD B ERW
Coating- Mastic, Fusion Bonded Epoxy, Polyethylene, X-true coat
Design Pressure- Riser 1,308 psi, Mainline 1,753 psi, Bridge 1,014 psi
Who regulates this pipeline and what regulations are applicable:

• California State Lands Commission- Article 3.3 2132 (h)  
  ALL

• Pipeline Hazardous Materials Safety Administration 49 CFR Part 192

A determination of the line must be made, is it a regulated gathering line or transmission line?
Steps taken to make a determination of a line under part 192:

1. Make a gas gathering determination. How? 192.8(a) states that an operator must use API RP 80 to determine if an onshore line is a regulated gas gathering line.

2. The determination is subject to the limitations in 192.8(a)1-4

3. 192.9 Offshore gathering lines must comply with the requirements applicable to transmission lines, except the requirements in Part 192.150 (ILI) and in subpart O.

Eva gas line does not meet the definition of a gathering line and therefore is a gas transmission line.
What else applies to a transmission line?

What about subpart O- Gas Transmission Pipeline Integrity Management (IMP)?

An operator must determine if their transmission pipeline, or pipeline segment, is within a High Consequence Area (HCA).

HCA is defined in 192.901.

How does an operator identify an HCA? 192.905- One of two methods may be used in identifying an HCA

Method 1- Class locations

Method 2- Potential Impact Radius (PIR)

\[ r = 0.69 \sqrt{p \cdot d^2} \]

0.69= factor for natural gas

p= MAOP

d= nominal diameter of pipe

Eva Gas Pipeline PIR= 90ft
Identified Site- An outside area that is occupied by 20 or more persons on at least 50 days in any 12 month period

Eva 8.625”/ MAOP 230psi
Natural Gas PIR Calcs
Eva 8.625” / MAOP 230psi
Natural Gas PIR Calcs
Now we have identified the applicable regulations.

What are the major programs within Part 192?

- Operator Qualifications
- Operations & Maintenance
- Integrity Management

Are there any other PHMSA regulations applicable? Yes

- Drug & Alcohol Testing 49 CFR Part 199
PIPELINE SAFETY

PLATFORM EVA TO SHORE GAS PIPELINE

Operator Qualification of Pipeline Personnel (OQ)
This program includes the following elements:

Identification of qualified individuals

Identification of covered tasks

Qualification method's
  Written exam
  Job Performance Evaluation
PIPELINE SAFETY

PLATFORM EVA TO SHORE GAS PIPELINE

Operations & Maintenance

This program includes the following elements:

- Pipeline failure, reporting, and investigation
- Plans and Programs
- Patrolling and Surveillance
- Pipeline corrosion control
- Valves
- Operating pressure limitations
- Repair construction and welding
- Odorization
- Safety & Security
- Test Requirements
- Pipeline Specific O&M
PIPELINE SAFETY

PLATFORM EVA TO SHORE GAS PIPELINE

Integrity Management

This program includes the following elements:

- ID of HCA’s
- Baseline Assessment
- Threats and Risk Assessment
- Direct Assessment
- Remediation and Repair
- Continual Evaluation and Assessment
- Preventive and Mitigative Measures
- Performance Measures
Drug and Alcohol Testing

This program includes the following elements:

- Pre-employment
- Post Accident
- Property Damage
- Random
- Reasonable Cause
Effectively manage your pipeline and stay out of the hot seat
THANK YOU

Mike Finch, REA
VP ESRC
DCOR, LLC
290 Maple Ct., Suite 290
Ventura, CA 93003
805-535-2073