GENERAL PROVISIONS
Each pipeline must be operated according to this SUBPART

§192.603(a)
RECORDS

§192.603(b)

Keep records necessary to administer the procedures of §192.605
RECORDS

• Life of Facility
  • Include construction, materials, repairs, MAOP information, and most corrosion records
  • Retained for active life of facility
RECORDS

• Other Records
  • Include tests, inspections, patrols, surveys and procedure reviews which prove compliance with 49 CFR 192
  • Retain for 5 years (consider IM requirements)
NOTICE OF AMENDMENT

ADMINISTRATOR of PHMSA or a STATE AGENCY with a 60105 Certification may require modifications to an INADEQUATE PLAN

§192.603(c)
PROCEDURE MANUAL FOR OPERATIONS, MAINTENANCE AND EMERGENCIES

§192.605
GENERAL REQUIREMENTS

- Each operator shall prepare and follow for each pipeline

A manual of written procedures for O&M activities and Emergency Response

§192.605(a)
GENERAL REQUIREMENTS

- Transmission lines must include procedures for abnormal operations

§192.605(a)
GENERAL REQUIREMENTS

• The manual must be reviewed and updated at intervals not to exceed 15 months, but at least once each calendar year

• Manual prepared before operations start

§192.605(a)
GENERAL REQUIREMENTS

• Appropriate parts of the manual must be kept at locations where operations and maintenance activities are conducted

§192.605(a)
MANUAL CONSIDERATIONS

• Is it in writing?
  ▪ Is it adequate?
  ▪ Is it being followed?
  ▪ Does it apply to each pipeline system?
  ▪ Did it exist before startup?
  ▪ Is it reviewed as required?
MANUAL CONSIDERATIONS

- How are changes communicated?
- How is it kept?
- All copies same version?
- Employees trained on it?
- How do employees access it?
PROCEDURES REQUIRED

Maintenance and normal operations

• If applicable, the manual must include procedures for the following to provide safety during maintenance and operations:

§192.605(b)
OPERATING, MAINTAINING AND REPAIRING

(1) Operating, maintaining and repairing the pipeline in accordance with each of the requirements of this subpart and subpart M of this part

§192.605(b)
OPERATIONS, MAINTENANCE AND REPAIRS

- Training and OQ
- Maps & Records
- MAOPs
- Communications
- Line Markers
- ROW Inspections
- Valve Maintenance
- Corrosion Control Records
- Pipeline Repairs
- CRM

- Overpressure Safety Devices
- Compressors
- Regulators
- Signage
- Security of Facilities
- Smoking or Open Flames
- Accidental Ignition
- Public Education
- Damage Prevention
- Continuing Surveillance
- Odorization
(2) Controlling corrosion in accordance with the operations and maintenance requirements of SUBPART I of this part

§192.605(b)
RECORDS AND HISTORY

(3) Making construction records, maps and operating history available to appropriate operating personnel

§192.605(b)
DATA FOR INCIDENTS

(4) Gathering of data needed for reporting incidents under Part 191 of this chapter in a timely and effective manner

§192.605(b)
(5) Starting up and shutting down any part of the pipeline in a manner designed to assure operation within the MAOP limits prescribed by this part, plus the build-up allowed §192.605(b)
(6) Maintaining compressor stations, including provisions for isolating units or sections of pipe and for purging before returning to service

§192.605(b)
(7) Starting, operating & shutting down gas compressor units

§192.605(b)
PROCEDURE REVIEW

(8) Periodically reviewing the work done by operator personnel and modifying the procedures when deficiencies are found.

§192.605(b)
(9) Procedures about precautions to follow regarding unsafe accumulations of vapors or gas in excavated trenches

- If needed, provide breathing apparatus, rescue harness and line

§192.605(b)
HOLDERS

(10) Develop plan to test and inspect pipe - type or bottle - type holders

§192.605(b)
(11) Respond promptly to a report of gas odor in or near a building, unless covered by emergency plan

§192.605(b)
(12) Implement applicable control room management procedures required by §192.631

§192.605(b)
ABNORMAL OPERATIONS

For transmission lines, the manual must include procedures for the following to provide safety when operating design limits have been exceeded:

§192.605(c)
ABNORMAL OPERATIONS

(1) Responding to, investigating and correcting the cause of:
   (i) Unintended closure of valves or shutdowns;

§192.605(c)
ABNORMAL OPERATIONS

(ii) Increase or decrease in pressure or flow rate outside normal operating limits;

§192.605(c)
ABNORMAL OPERATIONS

(iii) Loss of communications;

§192.605(c)
ABNORMAL OPERATIONS

(iv) Operation of any safety device; and

§192.605(c)
ABNORMAL OPERATIONS

(v) *Foreseeable* component malfunction, deviation from normal operation or personnel error resulting in a hazard to persons or property

§192.605(c)
SYSTEM INTEGRITY

(2) Checking at sufficient critical locations in the system to determine continued integrity and safe operation

§192.605(c)
NOTIFICATION

(3) Notifying responsible operator personnel when notice of an abnormal operation is received

§192.605(c)
(4) Periodically reviewing the response of operator personnel to determine the effectiveness of the procedures controlling abnormal operation; and

Taking corrective action where deficiencies are found

§192.605(c)
EXCEPTIONS

(5) Exempted from write-up of abnormal operation procedures;

- Distribution operators with transmission lines operated in conjunction with the distribution system

§192.605(c)
SAFETY - RELATED CONDITION REPORTS

Instructions for personnel to identify and report conditions that potentially may be safety-related conditions subject to reporting requirements of §191.23

§192.605(d)
ADDITIONAL PROCEDURES

The procedures required by

- §192.613(a), Surveillance
- §192.615, Emergency Response
- §192.617, Failure Investigation must be included in the manual

§192.605(e)
EVIDENCE

- Copies of procedures
  - Inadequate
  - Not following
- Records of procedure reviews
- Records of inspection, tests or surveys