

11-A Pressure Control, Operating within MAOP Limits

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1.0 SCOPE

This procedure describes the minimum requirements for starting up and shutting down DENC and DESC *pipeline* facilities.

2.0 REGULATORY REFERENCES

49 CFR Part 192 §§ [192.605](#), [192.605\(b\)\(5\)](#), [192.605\(b\)\(6\)](#), [192.605\(b\)\(7\)](#), [192.605\(c\)](#), [192.619](#), [192.621](#), [192.631\(f\)](#)

3.0 PROCEDURE

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3.1 General [192.605(b)(5)] [192.619] [192.621]

(a) Only operator qualified personnel, or individuals under the direct observation and direction of operator qualified personnel, are allowed to start up and shut down pipelines. Personnel *shall* possess a working knowledge of the following prior to starting up or shutting down a specific pipeline:

- (1) Actual operating pressure of the *upstream* or supply pipeline.

- (2) *MAOP* of the *downstream* or connected pipeline.
 - (3) Allowable build-up pressure for conditions.
 - (4) Operating characteristics of the pipeline components involved.
- (b) During the start up or shut down process, personnel shall:
- (1) Monitor pressures in the affected pipelines upstream and downstream by use of pressure gauges (see [section 3.3](#)).
 - (2) Operate valves or other components in the correct sequence to ensure that over pressure protection is maintained.
- (c) Engineering shall be contacted if any of the above information is questionable or not available.

3.2 Operating Pipeline Valves [[192.631\(f\)](#)]

- (a) The following process is designed to help ensure that all pipeline valves operated in the field are returned to their original operating position (normal flow position). Notification to the Gas Control Room is required whenever a pipeline valve is operated to shut down a pipeline or part of a pipeline system, in response to an *emergency* OR as part of a planned work procedure. This does not pertain to regular valve maintenance. The following notifications shall be made:
- (1) The first call will be to notify the Gas Control Room staff that a pipeline valve(s) is being operated. The Gas Control Room controller will gather and document the required information on the Valve Operation Checklist. One of the key pieces of information required is the anticipated time that the pipeline valve(s) is expected to be returned to its original position.
 - (2) The second call to the Gas Control Room staff is required to let the controller know that the pipeline valve(s) has been restored to its original position.
- (b) Contact numbers for the Gas Control Room are: 1-866-624-7289 or 1-803-217-4923.

3.3 Stopping Off or Squeezing Off Pipelines [[192.605\(b\)\(5\)](#)]

The following steps shall be followed when pipelines are stopped off (any deviation to the steps requires Manager approval)

1. Identify the pipeline section to be stopped off.
2. Determine the location of stop off points on each side of the pipeline section.
3. Install two pressure monitoring points, one on each side of the pipeline section outside of the stop off points. Tapping tees or purge nipples *may* be used for this purpose.
Note: installation of pressure monitoring points may not be necessary if service lines are located nearby and pressures can be effectively monitored at the risers and/or field monitoring points.
4. Install gauges at the pressure monitoring points.
5. Stop off one side of the pipeline section while carefully observing the pressures at both gauges.
6. Monitor gauges.

7. If pressure remains constant or stays within an anticipated level, repeat steps 5 and 6 for the other side of the pipeline section.

8. Monitor gauges.

3.4 Notification & Approval of Pipeline Start-up & Shut-down [[192.605\(b\)\(5\)](#)]

(a) Non-Scheduled/Emergency Work:

(1) Notify local supervisor for any non-scheduled or emergency work involving shutting down a *main* unless immediate hazard to life and/or property exists, in which emergency response action should be taken as necessary.

(2) Work performed on transmission shall be coordinated with, and be approved by the Director or designee.

3.5 Overpressure Protection

Before design begins on all projects involving station modifications or pipe replacements within 100 feet of a regulating station; ensure that all facility records are present, verifiable, accurate, and complete as they relate to tie-ins, pressure regulation, and overpressure protection. This includes field verification of drawings, piping, valves, valve position, equipment, equipment set points and control lines.

Examples include, but are not limited to, general pipeline construction work, examination of buried pipe when exposed, internal corrosion design and monitoring, remedial action for external corrosion, removal of pipe or fittings for failure investigation, repair of plastic and steel pipelines, reinstating service lines, abandonment of pipeline facilities, etc.

4.0 TRAINING/QUALIFICATIONS

- Over Pressure Protection Training - Click to view as a [PowerPoint presentation](#) or in a [PDF file](#).

Also see the appropriate system Operator Qualification Program.

5.0 DOCUMENTATION/FORMS

System specific forms should be used where applicable.

6.0 RELATED DOCUMENTS

None at this time.

7.0 APPENDICES

None at this time.

(UNCONTROLLED IF PRINTED)