



NCCER

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GAS PIPELINE OPERATIONS

Materials and Equipment

MODULE 67102-02 – BASIC PIPELINE PNEUMATICS AND EQUIPMENT

- Transparencies
- Markers/chalk
- Blank acetate sheets
- Transparency pens
- Pencils and scratch paper
- Module Examinations*
- Performance Profile Sheets*
- Overhead projector and screen
- Whiteboard/chalkboard
- Appropriate personal protective equipment
- Sample manufacturer's technical and operations manuals
- Pictures of various types of flow controllers
- Sample blueprints of pneumatic systems
- Copies of *49 CFR 192*
- Copies of records of hydrostatic tests
- Copies of your company's policies and procedures manual

MODULE 67103-02 – PIPELINE COMMUNICATIONS

- Transparencies
- Markers/chalk
- Blank acetate sheets
- Transparency pens
- Pencils and scratch paper
- Module Examinations*
- Overhead projector and screen
- Whiteboard/chalkboard
- Appropriate personal protective equipment
- Sample logbooks used by shift workers
- Samples of completed work orders
- Blank call investigation report forms
- Samples and photos of information material for the public
- Photos or drawings of line markers
- Copies of *49 CFR Part 192*
- Copies of your company's policies and procedures manual

MODULE 67104-02 – ROUTINE FIELD AND FACILITY OPERATIONS

Transparencies

Markers/chalk

Blank acetate sheets

Transparency pens

Pencils and scratch paper

Module Examinations*

Performance Profile Sheets*

Copies of Quick Quiz**

Overhead projector and screen

Whiteboard/chalkboard

Copies of *49 CFR Part 192*

Copies of Performance Verifications for Covered Tasks 43, 50, 51, 54, 56, 57, and 58†

Copies of your company policy and procedures manual

Pipeline markers or photos of pipeline markers

Appropriate personal protective equipment

Equipment required for:

- starting up a pipeline segment

- shutting in a pipeline segment

- air or gas purge

- testing an RSCD

Assortment of valves

Sample alignment maps

Various types of electronic locators

Odorometer

MODULE 67105-02 – ROUTINE CONTROL CENTER OPERATIONS

Transparencies
Markers/chalk
Blank acetate sheets
Transparency pens
Pencils and scratch paper
Module Examinations*
Performance Profile Sheets*
Copies of Quick Quiz**
Overhead projector and screen
Whiteboard/chalkboard
Appropriate personal protective equipment
Copies of *49 CFR Part 192*
Copies of Performance Verifications for Covered Tasks 43, 50, 51, 54, 56, 57, and 58†
Copies of your company policy and procedures manual
Copies of sample SCADA screen captures
Samples of pipeline documentation
Analog and digital meters
Valves or pictures of valves
Equipment required for:
 starting up a pipeline segment
 shutting in a pipeline segment
 air or gas purge
 testing an RSCD
 launching, receiving, and unloading a pig
Odorometers and equipment for calibrating them

MODULE 67106-02 – QUALITY CONTROL/MEASUREMENT

Transparencies
Markers/chalk
Blank acetate sheets
Transparency pens
Pencils and scratch paper
Module Examinations*
Performance Profile Sheets*
Overhead projector and screen
Whiteboard/chalkboard
Appropriate personal protective equipment
Copies of your company policy and procedures manual
Gas chromatograph
Sampling and testing equipment
Product to test (or access to it)
Orifice meters and equipment required for inspection
Equipment required for meter inspection and transmitter calibration
Copies of sample daily measurement statements
Copies of *49 CFR Part 192*
Sample material safety data sheets

MODULE 67107-02 – ABNORMAL OPERATING CONDITIONS

Transparencies
Markers/chalk
Blank acetate sheets
Transparency pens
Pencils and scratch paper
Module Examinations*
Overhead projector and screen
Whiteboard/chalkboard
Appropriate personal protective equipment
Copies of your company policy and procedures manual
Copies of web pages of organizations listed in *Appendix A*
Copies of a sample AOC investigation file
Blank AOC report forms
Evacuation plan
Copies of sample paperwork for gas leaks
Copies of *49 CFR Part 192*