

# 6-A General Construction Specifications, Inspections and Repairs

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## **1.0 SCOPE [192.301] [192.303]**

This chapter describes procedures for the construction of *gas* pipelines and appurtenant facilities. These procedures *may* be performed by DENC and DESC construction or contractor personnel.

These procedures are to be followed for all coated steel and/or plastic *pipe* installed as part of the DENC and DESC pipeline system. Chapter 6-A covers the general requirements applicable to all pipeline construction as required by the regulations listed in section 2.0 below. Other procedures applicable to construction such as welding or joining are covered in other sections of this manual and design, installation and construction standards specific to each state's specific operation.

## **2.0 REGULATORY REFERENCES**

49 CFR PART 192 §§ [192.301](#), [192.303](#), [192.305](#), [192.307](#), [192.309](#), [192.311](#), [192.313](#), [192.315](#)

## **3.0 PROCEDURE**

Procedures for the following construction activities can be found in the manual sections listed below.

Inspection [[192.305](#)] [[192.307](#)]

Repairs to Steel Pipe [[192.309](#)]

Repairs to Plastic Pipe [[192.311](#)]

**State Specific: South Carolina**

[Design and Installation Manual \(DESC\)](#) (online manual)

- [D&I 1010 Construction Specifications, 18. Inspection](#)
- [D&I 1040 Steel Pipe and Fittings](#)
- [D&I 3050 Installation of Plastic Pipe, 2. Field Inspection of Plastic Joints.](#)
- [D&I 3010 General Procedures, 6. Handling of Plastic Pipe](#)
- [D&I 3030 Mechanical Joining Procedures](#)

**3.1 Inspection of ASME Pressure Vessel components [[192.18](#)] [[192.153](#)]**

(a) ASME Pressure Vessels include all those constructed and test in accordance with ASME B&PV code Section VIII. These may include, but are not limited to:

- Posi-shutoff drips
- Contact towers
- Air receivers
- Actuator bottles/cylinders
- Pulsation bottles on compressor units
- First stage diffuser/nozzle on blowdown separator/silencers
- Pressurized oil/odorant tanks
- Coolers or tube bundles

(b) After September 30, 2021, ASME pressure vessels to be temporarily installed or permanently installed, which have been pressure tested prior to shipment to its final installation location, shall be visually inspected on site after it has been placed on its support structure and prior to operation. This requirement also includes pressure vessels that were temporarily removed from service to complete a test or cleaning activity, and then reinstalled.

- (1) The visual inspection shall be performed by a qualified individual.
- (2) This visual inspection shall be documented in the installation package.
- (3) The visual inspection shall confirm that the pressure vessel has not sustained any damage on the inlets, outlets, any pressure vessel, and lifting locations.
- (4) The visual inspection shall document any dents, gauges, bending, corrosion, and cracking.

(6) The signature block, below, shall be used in the as-built drawing, beneath the "RECORDS SIGN-OFF" box:

ON SITE PRE-OPERATION VISUAL INSPECTION FOR ASME PRESSURE VESSEL	
ENTERED BY (PRINT):	
ENTERED BY (SIGN):	
DATE:	

(c) After September 30, 2021, PHMSA shall be notified in advance for any ASME pressure vessels, such as those described above, that will be temporarily installed longer than 30 days. The PHMSA notification shall be made either electronically or in writing, in accordance with the requirements of 192.18.

**4.0 TRAINING/QUALIFICATIONS**

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**

**State Specific: South Carolina**

- [Design and Installation Manual \(DESC\)](#) (online manual)

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