



Texas Railroad Commission Category 4-5 Manager License (RRC CNG-MGT) TC01-0004

This course is 4-hours of classroom training for companies or individuals needing to attain their Texas Railroad Commission **Category 4** Testing laboratory, Authorizes the testing of CNG cylinders. **Category 5** Service station or cylinder exchanger, Authorizes the operation of a CNG service station, including filling CNG cylinders, or the operation of a cylinder exchange dealership, including filling CNG cylinders, the sale of CNG in cylinders, the sale of CNG cylinders and the replacement of cylinder valves. *No prerequisite required for this course.*

Learning Objectives

Student will be able to

- Describe Texas Railroad Commission license requirements.
- Describe Texas Railroad Commission fee and fines
- Describe CNG safety requirements and CNG repair facility requirements.
- Describe CNG fuel system code requirements.

Course Outline

1. Compressed Natural Gas Safety

- Introduction to CNG and definition
- Properties of CNG
- CNG safety
- Facility requirements

2. Fuel System Components

- Fuel system components and types of fuel cylinders
- Pressure Relief Device (PRD)
- Cylinder valve operation
- Fuel system regulator operation
- Manufacturer's nameplates and markings on ASME containers
- CNG compression, storage, and dispensing

3. Fuel System Installation Training

- Installation Requirements, Codes, and Standards
- Installation of fuel system, tubing, vent system, and electrical
- Fitting installation and tube bending
- Installation of pressure gauges
- Installation of cylinders and cylinder appurtenances
- System fueling, leak testing, and inspecting
- Installation of Emergency Shutdown Equipment
- Installation of Electrical Equipment

4. Texas Railroad Commission Fees and Fines

- Fees
- Fines
- License annual requirements