



PenEdu Learning & Consulting, LLC

"Where questions become knowledge"

Member - Energy Learning Network a Consortium of Energy Industry Learning Professionals

**ENERGY**

LEARNING  
NETWORK



"Where Questions Become Knowledge"

## Gas Distribution Operators

Library	Course Code	Course Name	Description and Length (in minutes) 3-18-24
---------	-------------	-------------	--

### GAS DISTRIBUTION (\*Spanish Version)

Pipeline Operator Qualification - Distribution	202	*Odorization: Concentration Testing	<i>Odorization: Concentration Testing</i> addresses natural gas odorization and its regulation, distribution systems, class determination, testing, recordkeeping, odorometer operation and maintenance, and safe handling and storage. (70 min)
Pipeline Operator Qualification - Distribution	404	*Plastic Pipe Fusion	<i>Plastic Pipe Fusion</i> examines types of plastic pipe used in the heat fusion process, principles of heat fusion, the heat fusion process, inspection and testing of fused joints, safety precautions when handling polyethylene pipe, hazards of static electricity, and spark prevention. (100 min)
Pipeline Operator Qualification - Distribution	404S	*Fusion de Tubo de Plastico	<i>Fusion de Tubo de Plastico</i> , the Spanish version of <i>Plastic Pipe Fusion</i> , examines types of plastic pipe used in the heat fusion process, principles of heat fusion, the heat fusion process, inspection and testing of fused joints, safety precautions when handling polyethylene pipe, hazards of static electricity, and spark prevention. (100 min)
Pipeline Operator Qualification - Distribution	405	*Electrofusion	<i>Electrofusion</i> examines the types of plastic pipe used in the process, basic principles of electrofusion, the electrofusion process, inspection and testing of fused joints, safety precautions when handling polyethylene pipe, hazards of static electricity, and spark prevention. (70 min)
Pipeline Operator Qualification - Distribution	406	*Mechanical Fittings	<i>Mechanical Fittings</i> examines <i>Lycofit</i> ® fittings, joining plastic pipe with mechanical fittings, and installing various couplings. (65 min)

Pipeline Operator Qualification - Distribution	413	Up-Rating Pipeline Systems	<i>Up-Rating Pipeline Systems</i> teaches the learner to determine present system and facilities conditions, review proposed up-rate pressures, understand and write an up-rate plan, determine system conditions before pressure increases, and maintain required up-rate records. (65 min)
Pipeline Operator Qualification - Distribution	417	* Installation of Plastic Mains and Services - Part 1	<i>Installation of Plastic Mains and Services - Part 1</i> addresses precautions and practices for handling and storing plastic pipe, installation of plastic pipe for natural gas main and service lines, installation of transition fittings, installation of excess flow valves, abandonment and reinstatement of mains and services, and installation of tracer wire. (45 min)
Pipeline Operator Qualification - Distribution	418	* Installation of Plastic Mains and Services - Part 2	<i>Installation of Plastic Mains and Services - Part 2</i> addresses direct burial of plastic pipe; tie-ins and tapping service punch tees; squeezing plastic pipe, including the squeeze-off procedure; inserting plastic pipe in an existing line; pressure testing mains and services; purging mains; and repairing PVC pipe. (55 min)
Pipeline Operator Qualification - Distribution	419	Natural Gas Operations & Maintenance Safety	<i>Natural Gas Operations &amp; Maintenance Safety</i> examines general safety precautions for natural gas operations and maintenance, including atmosphere testing, lock-out/tag-out, trenching and excavation, directional boring, traffic management, static electricity, and the Hazard Decision Tree Analysis. (70 min)
Pipeline Operator Qualification - Distribution	420	* Installation of Steel Mains and Services	<i>Installation of Steel Mains and Services</i> addresses proper handling, storage, and inspection of steel pipe; typical right-of-way and easement requirements; pipe installation requirements for overhead and underground crossings; pipeline installation; and steel distribution service line installation and connection. (65 min)
Pipeline Operator Qualification - Distribution	421	* Pipeline Tie-in Methods	Pipeline Tie-in Methods, which is geared to gas transmission, addresses tie-in considerations, tie-in procedures, tie-in configuration connections, and installation of one- and two-piece control fittings, steel-to-plastic transition fittings, curb and service valve tees, three-way tees, tapping and drilling, and stopping procedures for steel pipe. (35 min)

Pipeline Operator Qualification - Distribution	500	* Atmospheric Corrosion - Distribution Operations	<i>Atmospheric Corrosion - Distribution Operations</i> examines the requirements for atmospheric corrosion control. This course addresses the corrosion process, surface preparation, attributes of and risk factors for atmospheric corrosion, and protective methods used to control atmospheric corrosion. (40 min)
Pipeline Operator Qualification - Distribution	1221	* Install Meters and Regulators - Residential	<i>Install Meters and Regulators - Residential</i> examines the basic parts of a residential gas distribution system, installation of meters and regulators, protecting a residential gas system from pressure damage, meter and regulator selection, installation of a meter set, and adjusting a meter's set point, testing for gas system leaks, and service wrap-up procedures. (50 min)
Pipeline Operator Qualification - Distribution	1231	* Install Meters and Regulators - Commercial	<i>Install Meters and Regulators - Commercial</i> addresses the basic parts of a commercial gas distribution system, installation of meters and regulators, protecting a commercial gas system from pressure damage, meter and regulator selection, installation of a meter set, and adjusting a meter's set point, testing for gas system leaks, and service wrap-up procedures. (60 min)