

Locate Management Institute Inc.

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INF101 Gas Distribution Infrastructure

Course Overview: This online infrastructure awareness training course (up to 2 hours) is aimed at developing knowledge and skills associated with gas distribution infrastructure with emphasis on locating underground gas facilities. This training course provides the learner with an understanding of a typical gas distribution system model and its infrastructure, components, researching and utilizing records, performing visual inspections, determining gas distribution infrastructure locating hazards, and selecting effective electromagnetic signal application points for locating this infrastructure.

This e-learning gas distribution infrastructure course was developed with input from industry subject matter experts. Included in this gas distribution infrastructure awareness training course: Online quizzes and a final exam. Certificate and wallet card issued upon successful completion.

Objective 1 – Gas system model

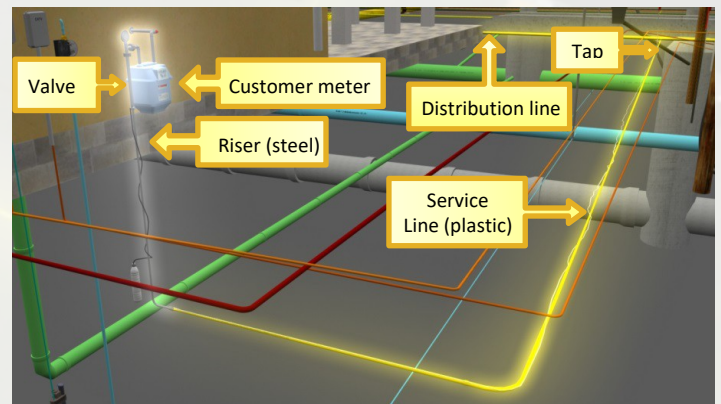
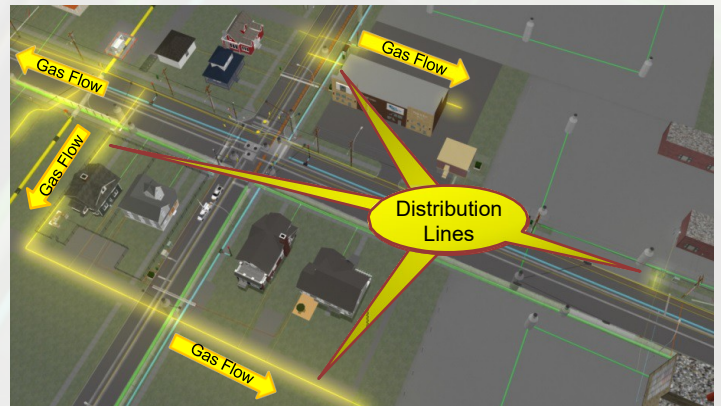
1. Sources of natural gas
2. Metering facilities
3. Main, distribution, and service pipelines
4. Demarcation point
5. Privately-owned lines

Objective 2 – Gas system components

1. Pipe materials and configurations
2. Use of tracer wire
3. Cathodic protection
4. Risers and valves
5. Regulators and meters

Objective 3 – Obtain and utilize information sources

1. Gas distribution company records
2. Other information sources
3. Rural gas records
4. Urban gas records



Objective 4 – Performing a visual inspection

1. Visual indicators
2. Matching visual indicators to records
3. Determining infrastructure hazards
4. Warning signs and identification labels & tags
5. Ancillary facilities
6. Privately-owned facilities

Objective 5 – Recognize and mitigate locating hazards

1. Determining locating hazards
2. Determining and recording hazard controls (ERP)
3. Site-specific hazards and orientations

Objective 6 – Selection of electromagnetic signal application points

1. Effective signal application methods and points
2. Accessing access points
3. Direct hookup to pipelines, valves, cathodic test points, tracer wires, casing vents
4. Inductive clamping to pipelines and cables
5. Induction application points

