



## Part 6 Class- Leak Survey/Leak Investigation

**Training-** 2 Day Session.....(Hands-On- 6 Hours).....16 Hours  
**Testing** (48 Hours after Training)- 1 Day Session.....6 Hours

NOTE: Failed Hands-On Evaluations will be charged a retesting fee, and must be done by a NGA evaluator (Minimum time is 48 Hours after a failed evaluation)

### Classroom Training:

- Class Overview
- Safety/PPE

### Covers Tasks:

- 18A-Conducting Gas Leakage Surveys (Mobile and Walking)
- 19- Patrolling and Inspecting Pipelines
- 20A- Investigating Leak and Odor Complaints
- 20D- Leak Classification
- 41/41- Inspecting/Operating/Lubricating Distribution Line Valves
- National Fuel Procedure Manual Sections Referring to Material Listed Above.

### Hands-On Training:

- Leakage Surveys
- F.I. Unit Operation ( Including how to fill up unit)
- Leak Reports (Writing and Classifying)
- Leak Pinpointing

### Testing:

- NGA-WE-18A Conducting Gas Leakage Surveys (Mobile and Walking Surveys)
- NGA-WE-19- Patrolling and Inspecting Pipelines
- NGA-WE-20A-Investigating Leak Odor Complaints ( Inside and Outside)
- NGA-WE-20D-Leak Classification
- NGA-WE-41/41- Inspecting/Operating/Lubricating Distribution Line Valves
- NFG-WE-800-Part 6 Operating and Maintenance Procedures
- HANDS-ON- NGA-18.1- Leak Survey



**Below is the Covered Tasks Listing the Domains and Elements that will be covered during Training Class.**

**TASK #18: Conducting Gas Leakage Surveys**

1. Mobile Surveys
  - a. Knowledge of equipment and resources used in mobile surveys
  - b. Knowledge of factors and conditions affecting accuracy of mobile survey results
  - c. Knowledge of appropriate responses to situations hindering mobile surveys
2. Walking Surveys
  - a. Knowledge of transmission and main survey practices
  - b. Knowledge of service survey practices
  - c. Knowledge of business district survey practices
  - d. Demonstrate procedure for performing a walking survey

**TASK #19: Patrolling and Inspecting Pipelines**

1. Pipeline Right-of-Way Inspections
  - a. Knowledge of right-of-way surface conditions indicating a potential leak
2. Pipeline Markers
  - a. Knowledge of pipeline marker installation practices
  - b. Knowledge of maintenance practices for pipeline markers
  - c. Knowledge of specifications for pipeline marker signs
3. Exposed / Above Ground Mains
  - a. Knowledge of facility inspection requirements



## **TASK #20: Investigating Leak/Odor Complaints**

1. Fundamentals of Leak Investigation
  - a. Knowledge of equipment used in investigating leak or odor complaints
  - b. Knowledge of alternate ways of detecting leaks
  - c. Knowledge of other sources of odor complaints
2. Outside Leak and Odor Complaints
  - a. Knowledge of pinpointing procedure
  - b. Knowledge of leak migration
3. Inside Leak and Odor Complaints
  - a. Knowledge of inside leak detection methods
  - b. Knowledge of evacuation and ventilation procedures
4. Documentation
  - a. Knowledge of documentation requirements for leak or odor investigations