



OPERATOR QUALIFICATION

- Initial
- Subsequent

Subtask Questions

EMPLOYEE FULL NAME (PRINT)		Date

Subtask Name Conduct Survey

Subtask #: 09-01

Instructions Answer the questions below in the space provided. All questions must be answered correctly.

1. Define the criteria of grade 1 leak. **UO Standard DS0350**

- A. Other leaks which are non-hazardous at the time of detection and can reasonably be expected to remain non-hazardous.
- B. A leak that represents an existing or probable hazard to persons or property**
- C. A leak that is not hazardous to life or property at the time of detection.
- D. All of the above

2. Define the criteria of grade 2 leak. **UO Standard DS0350**

- A. A leak that is not hazardous to life or property at the time of detection**
- B. A leak that represents an existing or probable hazard to persons or property
- C. other leaks which are non-hazardous at the time of detection and can reasonably be expected to remain non-hazardous.
- D. All of the above

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3. Define the criteria of grade 3 leak. **UO Standard DS0350**

- A. A leak that represents an existing or probable hazard to persons or property.
- B. A leak that is not hazardous to life or property at the time of detection,
- C. Other leaks which are non-hazardous at the time of detection and can reasonably be expected to remain non-hazardous**
- D. All of the above

4. What action should be taken in response on grade 1 leak? **UO Standard DS0350**

- A. Never
- B. Only after the facilities is abandon
- C. Whenever you feel like it
- D. Immediate repair or continuous action until conditions are no longer hazardous**

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Conduct Survey, continued

5. What action should be taken in response on grade 2 leak? **UO Standard DS0350**
- A. Immediate repair or continuous action until conditions are no longer hazardous
 - B. Repair whenever you feel like it
 - C. Scheduled repair based on probable future hazard**
 - D. All of the above.
6. What is the Company policy regarding leak survey activities? **UO Standard DS0350**
- A. Search, evaluate and control gas leakage in the interests of safety and efficiency of operation**
 - B. Daily
 - C. Monthly
 - D. Yearly
7. Define Upper Explosive Limit (UEL) and Lower Explosive Limit (LEL).
- A. 10% - 25%
 - B. 2% - 5%
 - C. 5% - 15%** **UO Standard DS0350**
 - D. None of the above
8. How often should you calibrate your Hydrogen Flame Ionization (Flame Pack)?
- A. Weekly** **GS&S M-53.3**
 - B. Daily
 - C. Monthly
 - D. Yearly
9. When the main is in an unpaved area, where should the gas detector probe be?
- A. Carry probe directly near the fence
 - B. Carry probe directly over crack of the sidewalk.
 - C. Carry probe directly over main** **Routine Foot Survey Manual**
 - D. Carry probe directly over crack of the street
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Subtask Questions

EMPLOYEE FULL NAME (PRINT)		Date

Subtask Name Conduct Survey

Subtask #: 09-01

Instructions Answer the questions below in the space provided. All questions must be answered correctly.

1. Define the criteria of grade 1 leak. **UO Standard S4110**

- A. Other leaks which are non-hazardous at the time of detection and can reasonably be expected to remain non-hazardous
- B. A leak that represents an existing or probable hazard to persons or property**
- C. A leak that is not hazardous to life or property at the time of detection
- D. All of the above

2. Define the criteria of grade 2 leak. **UO Standard S4110**

- A. A leak that is not hazardous to life or property at the time of detection**
- B. A leak that represents an existing or probable hazard to persons or property
- C. Other leaks which are non-hazardous at the time of detection and can reasonably be expected to remain non-hazardous
- D. All of the above

3. Define the criteria of grade 3 leak. **UO Standard S4110**

- A. A leak that represents an existing or probable hazard to persons or property
- B. A leak that is not hazardous to life or property at the time of detection
- C. Other leaks which are non-hazardous at the time of detection and can reasonably be expected to remain non-hazardous**
- D. All of the above

4. When should action be taken in response on grade 1 leak?

- A. Never
- B. Only after the facilities are abandon
- C. Whenever you feel like it
- D. Immediate repair or continuous action until conditions are no longer hazardous**

UO Standard S4110

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Subtask Name Conduct Survey

Subtask #: 09-01

Instructions Answer the questions below in the space provided. All questions must be answered correctly.

5. What action should be taken in response on grade 2 leak?

- A. Immediate repair or continuous action until conditions are no longer hazardous
- B. Repair whenever you feel like it
- C. Scheduled repair based on probable future hazard** **UO Standard S4110**
- D. All of the above

6. What is the Company Policy regarding leak survey activities?

- A. Search, evaluate and control gas leakage in the interests of safety and efficiency of operation** **UO Standard S4110**
- B. Daily
- C. Monthly
- D. Yearly

7. Define Upper Explosive Limit (UEL) and Lower Explosive Limit (LEL).

- A. 10% - 25%
- B. 2% - 5%
- C. 5% - 15%** **UO Standard S4110**
- D. None of the above

8. How often should you calibrate your Hydrogen Flame Ionization (Flame Pack)?

- A. Weekly** **GS&S M-53.3**
- B. Daily
- C. Monthly
- D. Yearly

9. When the main is in an unpaved area, where should the gas detector probe be?

- A. Carry probe directly near the fence
- B. Carry probe directly over crack of the sidewalk
- C. Carry probe directly over main** **Routine Foot Survey Manual**
- D. Carry probe directly over crack of the street

Continued on next page



Subtask Name Conduct Survey

Subtask #: 09-01

Instructions Answer the questions below in the space provided. All questions must be answered correctly.

10. HFI can be tested with 50 or 100 PPM of certified methane to air.

- A. True** **GS&S M-53.3**
 B. False

11. HFI read-outs are considered acceptable if they are within 10% of the actual test gas concentration.

- A. True** **GS&S M-53.3**
 B. False

12. What is the definition of "Leak Grade"?

A classification of a leak based on leak readings, public exposure and location.

UO Standard S4110

13. How often are leak surveys required in principal business districts?

- A. Annual** **GS&S M-53.3**
 B. 3 years
 C. 5 years

14. The leak survey methods are:

- A. Mobile-type survey**
 B. Foot survey
 C. Vegetation survey
 D. All of the above **UO Standard S4110**



OPERATOR QUALIFICATION

- Initial
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Subtask Questions

EMPLOYEE FULL NAME (PRINT)		Date

Subtask Name Leak Investigation **Subtask #:** 09-02

Instructions Answer the questions below in the space provided. All questions must be answered correctly.

1. List three causes of leakage in a steel system.

- A. Construction defects
- B. Material failure
- C. Damage by outside forces
- D. All of the above

Investigation of Gas Leak Module

2. List three causes of leakage in a plastic system.

- A. Damage by outside forces
- B. Construction defects
- C. Material failure
- D. All of the above

Investigation of Gas Leak Module

3. What is the purpose of centering and pinpointing for gas leaks?

- A. Take a lunch break.
- B. Dig over the underground facilities **Investigation of Gas Leak Module**
- C. All of the above



QUALIFICATION QUESTIONS

- Initial
- Subsequent

EMPLOYEE FULL NAME (PRINT)		Last four of SS#

Subtask Name F. S. Leak Investigation

Subtask #: 09-03

Instructions Answer the questions below in the space provided. All questions must be answered correctly.

1. List three causes of leakage in a gas distribution system.

- A. Construction defects
- B. Material failure
- C. Damage by outside forces
- D. **All of the above** **CSS Procedure Gas Leak and Odor Investigation**

2. List locations where underground gas leaks could be detected.

- A. Water boxes
- B. Visual evidence i.e. dead shrubs, bubbling wet soil
- C. Meter set assemblies
- D. **All of the above** **CSS Procedure Gas Leak and Odor Investigation**

3. What is the purpose of identifying underground or above ground gas leakage in our distribution systems?

- A. Job Security
- B. **So the leak can be eliminated**
- C. All of the above **CSS Procedure Gas Leak and Odor Investigation**