

## PROCEDURES

### CENTERING LEAKS

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#### 6.0 PURPOSE

The purpose of this section is to establish procedures for centering a gas leak to determine the safest way to locate and repair the leakage source.

#### 6.1 SCOPE

- A. Centering
- B. Marking
- C. Recording

#### 6.2 CENTERING LEAKS

- A. Locate and mark the gas main, gas services and other substructures in the area.
  - 1. Drill or punch offset bar holes at approximately 6' intervals along and on alternate sides of the main both ways from the leak indication. Where lateral connections to the main are located, drill on the lateral side.
  - 2. Sample bar holes and record findings immediately after drilling until 2 consecutive readings of 5% gas or less are obtained in both directions.
  - 3. Determine extent of leak spread.
  - 4. Recheck bar holes to establish center area.
  - 5. Grade leakage.
  - 6. Mark the point of highest reading for excavation and repair.
- B. Where definite peak area cannot be established, purge each bar hole to reduce gas concentration.
  - 1. Suction bar holes.
  - 2. Recheck bar holes to establish approximate center area.
  - 3. Grade leakage.

## **PROCEDURES**

### **CENTERING LEAKS**

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4. Mark the point of highest reading for excavation and repair.
- C. If a definite peak still can not be established:
1. Drill or punch bar holes on alternate sides along main or service at 2' intervals for a distance of 12' in each direction from the approximate center.
  2. Check each bar hole within the 24' distance and record readings.
  3. Establish approximate center area.
  4. Grade leakage.
  5. Mark the point of highest reading for excavation and repair.
- D. Record findings, including all gas test readings, on appropriate form(s).