



# Leak Detection and Repair

## Leak Repair Timeline

**Grade 1:** Immediate repair  
**Grade 2:** Repaired within 6 months of detection and re-checked if a repair cannot be completed right away  
**Grade 3:** Repaired within 30 months of detection and re-checked between detection and repair

## Distribution Survey Frequency

Oklahoma	
Type	Frequency
Shorted casings	4 times each calendar year but at intervals not exceeding 4½ months
Vertical Main Structure	1 time per calendar year but at intervals not exceeding 15 months
Inside Business Districts	All facilities: 1 time per calendar year but at intervals not exceeding 15 months
Outside Business Districts	Protected coated steel and polyethylene (PE) plastic: Every 5 calendar years but at intervals not exceeding 63 months All other: Every 3 calendar years but at intervals not exceeding 39 months

Texas	
Type	Frequency
Shorted casings	4 times each calendar year but at intervals not exceeding 4½ months
Vertical Main Structure	1 time per calendar year but at intervals not exceeding 15 months
Inside Business Districts	All facilities: 1 time per calendar year but at intervals not exceeding 15 months
Outside Business Districts	Cast iron mains: 1 time per calendar year but at intervals not exceeding 15 months PE pipe: Every 5 calendar years but at intervals not exceeding 63 months Cathodically protected coated steel: Every 3 calendar years but at intervals not exceeding 39 months Cathodically protected bare steel: Every 2 calendar years but at intervals not exceeding 27 months All other: Every 2 calendar years but at intervals not exceeding 27 months



## Leak Detection and Repair

Kansas and Bartlesville/Miami, OK	
Type	Frequency
Shorted casings	4 times each calendar year but at intervals not exceeding 4½ months
Vertical Main Structure	1 time per calendar year but at intervals not exceeding 15 months
Inside Business Districts	All facilities: 1 time per calendar year but at intervals not exceeding 15 months
Outside Business Districts	
Public Buildings	1 time per calendar year but at intervals not exceeding 15 months
Mains	Unprotected bare steel and ductile iron mains in Class 2, Class 3, and Class 4 locations and cast iron mains: 1 time per calendar year but at intervals not exceeding 15 months Unprotected steel and ductile iron mains located in Class 1 areas, cathodically protected bare steel mains, or polyvinylchloride (PVC) mains: Every 3 calendar years but at intervals not exceeding 39 months Protected coated steel mains and PE plastic mains: Every 5 calendar years but at intervals not exceeding 63 months
Services and Yard Lines	Unprotected steel, and PVC: 1 time per calendar year but at intervals not exceeding 15 months Cathodically protected bare steel service or yard lines: Every 3 calendar years but at intervals not exceeding 39 months Cathodically protected coated steel or PE plastic service lines and yard lines: Every 5 calendar years but at intervals not exceeding 63 months

### Transmission Survey Frequency

Type	Frequency
Lines carrying odorized gas, regardless of density index class location	1 time each calendar year but at intervals not exceeding 15 months
Lines carrying non-odorized gas in Class 1 or Class 2 locations	1 time each calendar year but at intervals not exceeding 15 months
Lines carrying non-odorized gas in a Class 3 location	2 times each calendar year but at intervals not exceeding 7½ months
Lines carrying non-odorized gas in a Class 4 location	4 times each calendar year but at intervals not exceeding 4½ months
Shorted casings	4 times each calendar year but at intervals not exceeding 4½ months

Transmission Line Patrolling - Maximum Interval Between Patrols		
Class Location	At Highway* and Railroad Crossings	At All Other Places
1 and 2	2 times each calendar year with intervals not exceeding 7½ months	1 time each calendar year with intervals not exceeding 15 months
3	4 times each calendar year with intervals not exceeding 4½ months	2 times each calendar year with intervals not exceeding 7½ months
4	4 times each calendar year with intervals not exceeding 4½ months	4 times each calendar year with intervals not exceeding 4½ months
Shorted casings will be checked with a leak-detection instrument at least 4 times each calendar year with intervals not exceeding 4½ months.		

\*Highway is defined as federal- or state-designated highway