

Line Markers

Where should they go?

§192.707 Line markers for mains and transmission lines.

Line markers, §192.707

- ▶ §192.707 Line markers for mains and transmission lines.
 - (a) Buried pipelines. Except as provided in paragraph (b) of this section, a line marker must be placed and maintained as close as practical over each buried main and transmission line:
 - (1) At each crossing of a public road and railroad; and
 - (2) Wherever necessary to identify the location of the transmission line or main to reduce the possibility of damage or interference.

Line markers



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Markers must be maintained §192.707(a)



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Line markers, §192.707

- ▶ (b) Exceptions for buried pipelines. Line markers are not required for the following buried pipelines:
 - (1) waterways and other bodies or water.
 - (2) Mains in Class 3 or Class 4 locations where a damage prevention program is in effect under §192.614.
 - (3) Transmission lines in Class 3 or 4 locations until March 20, 1996.
 - (4) Transmission lines in Class 3 or 4 locations where placement of a line marker is impractical.

Exceptions, §192.707(b)



Exceptions, §192.707(b)



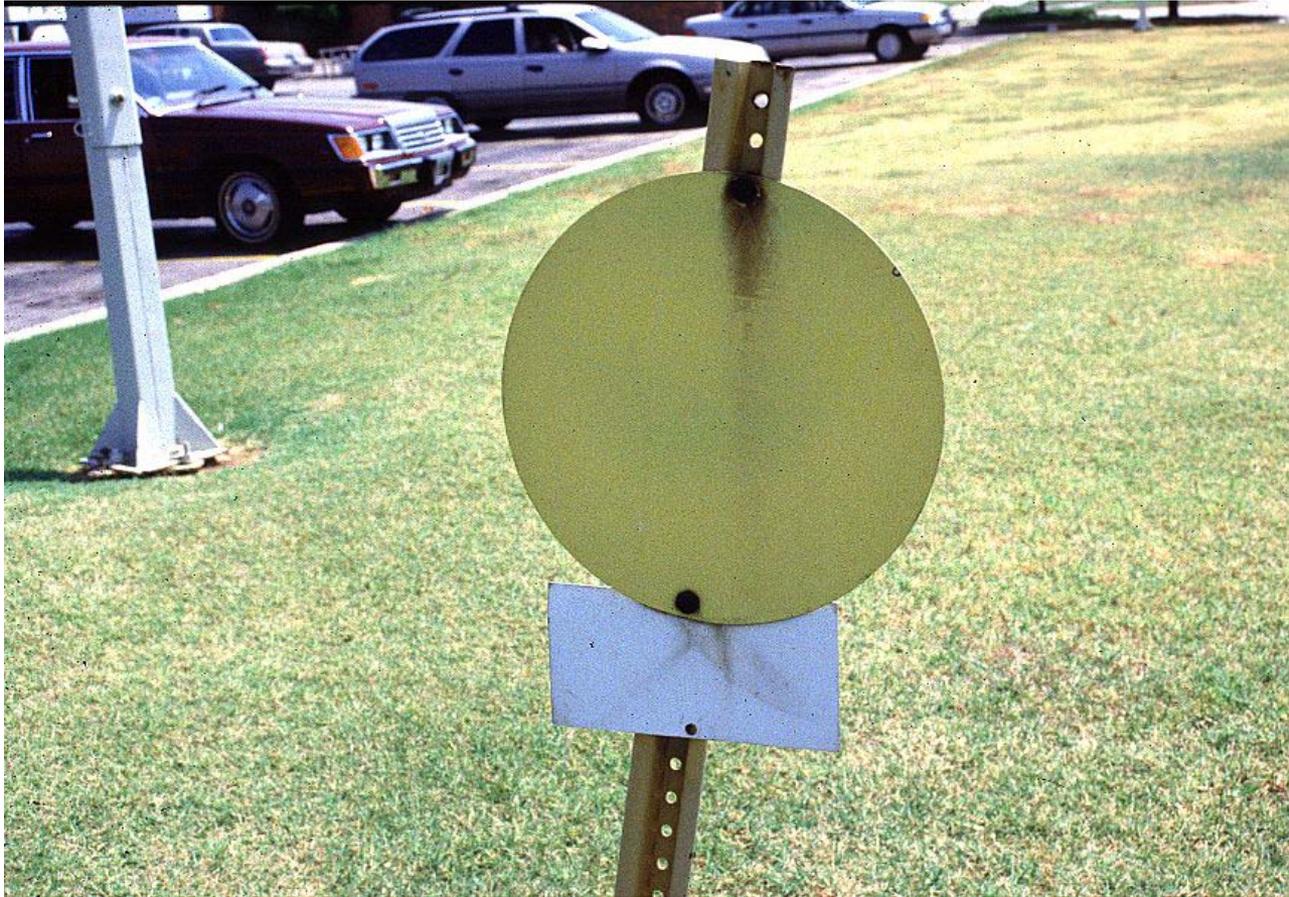
Line markers, §192.707

- ▶ (c) Pipelines above ground. Line markers must be placed and maintained along each section of a main and transmission line that is located above ground in an area accessible to the public.
- ▶ “For the purpose of §192.707(c), we consider an area accessible to the public if entrance into the area is not physically controlled by the operator or if the area may be entered without difficulty.”

Line markers, §192.707

- ▶ (d) Marker warning. The following must be written legibly on a background of sharply contrasting color on each line marker:
 - (1) The word "Warning," "Caution," or "Danger" followed by the words "Gas (or name of gas transported) Pipeline" all of which, except for markers in heavily developed urban areas, must be in letters at least 1 inch (25 millimeters) high with $\frac{1}{4}$ inch (6.4 millimeters) stroke.
 - (2) The name of the operator and telephone number (including area code) where the operator can be reached at all times.

Marker Warning? §192.707(d)



Marker Warning? §192.707(d)



Marker Warning §192.707(d)



Marker Warning §192.707(d)



Marker Warning §192.707(d)



GPTC Line Marker Locations

- ▶ Irrigation ditches, canals, drainage ditches subject to periodic grading,
- ▶ Agricultural areas, Active drilling or mining areas.
- ▶ Waterways or bodies of water subject to dredging or shipping activities.
- ▶ Industrial or plant areas
- ▶ Fence lines
- ▶ Angle points

GPTC Line Marker Locations

- ▶ Identifying pipelines where special problems exist
- ▶ Temporary markers in areas of construction
- ▶ Where traditional markers may not be feasible

Line Markers §192.707

Enforcement Guidance, Locations

- ▶ Transmission lines, high risk areas
 - Flood zone, irrigation and drainage ditches, plowed fields, drilling, mining, waterways
- ▶ Markers in adequate quantity so route of pipeline will be known
- ▶ Exposed areas
- ▶ Construction areas
- ▶ Each pipeline in multiple pipeline ROW must have a marker

Line Markers §192.707

Enforcement Guidance, Violations

- ▶ Main or transmission line not marked at crossing of public road, railroad
- ▶ Inadequate number of line markers, operator name, phone number missing or incorrect
- ▶ No marker where marker is necessary to reduce possibility of damage or interference
- ▶ Above ground lines not marked

Line Markers §192.707

Enforcement Guidance, Violations

- ▶ No markers in area accessible to public
- ▶ Marker information incomplete or incorrect
- ▶ Exposed pipelines in accessible areas not marked
- ▶ Telephone number does not reach operator at all times
- ▶ Evidence – records, pictures, description by operator or investigator

Marker Locations



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The End of the Line (for this marker)

