



UO Standard S4111

ISSUING DEPARTMENT: **GSM&TS**
T&D SPONSOR: **VP - E&P**
CGT SPONSOR: **VP - CGT**

EFFECTIVE DATE: **05-03**
REVIEW DATE: **05-08**
PAGE NO.: **1** OF **3**

TITLE: Patrolling Pipelines and Mains

- Purpose** This standard establishes a uniform procedure for patrolling Pacific Gas and Electric Company (Company) gas facilities in order to comply with the requirements of 49 CFR 192.605 (b), 49 CFR 192.705, and 49 CFR 192.721.
- Recision** This standard supersedes Gas Information Bulletin No. 138, "Transmission Patrolling Requirements," dated 02-01-01, and UO Standard S4111, "Patrolling Pipelines and Mains," dated 8-00.
- Safety** Public safety is increased by performing the required gas facility patrols and observing surface conditions that could lead to failure or leakage of gas facilities.
- Implementation Responsibilities**

The vice president of Engineering and Planning (E&P) and the vice president of California Gas Transmission (CGT) are responsible for approving, revising, and distributing this standard.

Utility Operations (UO) directors are responsible for implementing this standard within their respective organizations.

Responsibility for patrolling Company gas facilities shall rest with the operating department supervisor and the district superintendent who direct the maintenance and operation of these facilities. Performance responsibilities include determining specific scope and any special considerations, scheduling and assigning patrolling frequency, reviewing and maintaining patrol records, and initiating action to correct conditions found during patrols.

The responsibility for maintaining patrol records shall rest with the Operations, Maintenance and Construction (OM&C) department and the district superintendents in CGT.

The director of Gas System Maintenance & Technical Support or Gas Distribution and Technical Services shall update and reissue the procedures, attachments, and forms attached to this standard.

Compliance Responsible superintendents and supervisors measure the implementation and effectiveness of this standard. In addition, internal Company departments can conduct periodic audits. The CPUC also conducts compliance audits on the requirements of this standard. Patrol reports revealing the need for corrective actions will be reviewed and acted upon by responsible superintendents and supervisors.

Definition of Terms

Class Location: The density of buildings as defined in CFR 192.5.

CPUC: California Public Utilities Commission.

DOT: Department of Transportation.

DFM: Distribution feeder man.

Distribution Line: A pipeline that serves as a common source of supply for more than two service lines.

Gathering Line: A pipeline that transports gas from a current production facility to a transmission line or main. This term shall include collection lines taking gas from wells.

SMYS: Specified minimum yield strength.

Transmission Line:

- All numbered transmission lines.
- All DFMs or portions of DFMs that operate over 20% SMYS.
- All pipelines directly connected to gas gathering lines.
- All pipelines within a gas storage field.
- All pipelines fed by a storage field.

Date Issued/Updated

Effective: **May 2003**
Review Date: **May 2008**

Signed,

Signed,

Michael A. Katz
 Vice President
 California Gas Transmission

Shan Bhattacharya
 Vice President
 Engineering and Planning

UO Standard

April 29, 2003

- Contacts** For additional information, please contact the Gas Engineering and Planning section of the Gas Distribution and Technical Services Department (223-8180 or 415-973-8180) or the System Integrity section of the GSM&TS department (583-4313 or 925-974-4313).
- Attachment / Exhibits** Attachment 1, "Procedure for Patrolling Pipelines and Mains"
Exhibit A, "Pipeline Patrol Report" (Form F4111-A)
Note: Form F4111b is no longer being used.
Exhibit C, "Exposed Piping and Spans Form" (F4111-C)
Exhibit D, "Landslide Form" (F4111-D)
- Reference Documents** 49 CFR Part 190 and 192.705, 721
CPUC General Order 112E
CGT Standard 4127, "Class Location Determination, Compliance and Maintenance"
Gas Standards O-16, "Corrosion Control of Gas Facilities"
UO Standard D-S0350/S4110, "Leak Survey and Repair of Gas Transmission and Distribution Facilities"
UO Standard S4122, "Gas Pipeline Markers"
UO Standard S4133, "Corrosion Control of Gas Transmission Facilities"