


TAB 14	TITLE: FACILITY UPRATING RECORD
APPLICABLE 49CFR PART 192 REFERENCE	<p>§192.553 General requirements</p> <p>(a) <i>Pressure increases.</i> Whenever the requirements of this subpart require that an increase in operating pressure be made in increments, the pressure must be increased gradually, at a rate that can be controlled, and in accordance with the following:</p> <p>(1) At the end of each incremental increase, the pressure must be held constant while the entire segment of pipeline that is affected is checked for leaks.</p> <p>(2) Each leak detected must be repaired before a further pressure increase is made, except that a leak determined not to be potentially hazardous need not be repaired, if it is monitored during the pressure increase and it does not become potentially hazardous.</p> <p>(b) <i>Records.</i> Each operator who uprates a segment of pipeline shall retain for the life of the segment a record of each investigation required by this subpart, of all work performed, and of each pressure test conducted, in connection with the uprating.</p> <p>(c) <i>Written plan.</i> Each operator who uprates a segment of pipelines shall establish a written procedure that will ensure that each applicable requirement of this subpart is complied with.</p> <p>(d) <i>Limitation on increase in maximum allowable operating pressure.</i> Except as provided in §192.555(c), a new maximum allowable operating pressure established under this subpart may not exceed the maximum that would be allowed under this part for a new segment of pipeline constructed of the same materials in the same location.</p>
APPLICABLE CGT STANDARD/S	None
APPLICABLE GAS STANDARDS & SPECIFICATIONS	A-34.1, "General Requirements for Work Reportable to the CPUC"
OTHER RELATED INSTRUCTIONS	None
FORMS	62-3237 Facility Uprating Record

		GENERAL REQUIREMENTS FOR WORK REPORTABLE TO THE CPUC A-34.1	
Dept:	Engineering & Planning - Technical Services	Section:	Gas Distribution
Approved by:	[REDACTED]	Date:	10-31-97
Rev. #01: This revision replaces Revision #00. For a description of changes, see Page 3.			

Purpose and Scope:

To establish a uniform procedure for preparing and filing reports that are required by Sections 125 and 126 of General Order 112-E to be filed with the California Public Utilities Commission.

Definition of Reportable Work

1. Construction of a new pipeline, or reconstruction or reconditioning of an existing pipeline that:
 - A. At the proposed maximum allowable operating pressure (MAOP), will operate at a hoop stress of 20% or more of the specified minimum yield strength (SMYS) of the pipe, and
 - B. Will cost \$2,500,000 (financial) or more.
2. An increase in the maximum allowable operating pressure of pipeline systems as outlined below:
 - A. Any uprating of a pipeline to a pressure which produces a hoop stress of 20% or more of SMYS.
 - B. An uprating of 2500 feet or more of distribution main from a MAOP of 60 PSIG or less to a MAOP greater than 60 PSIG.
 - C. An uprating by conversion of 5000 feet or more of a low-pressure distribution main (that operates at a standard customer delivery pressure and therefore, does not have service regulators) to a high-pressure distribution main (that operates in excess of standard customer delivery pressure and therefore requires service regulators).

Exception: This conversion of a segment of a distribution system serving 300 or fewer customers is not reportable when accomplished by connecting the service lines individually to a higher pressure main.
3. Any test failures during strength testing of a pipeline that will be operated at a hoop stress of 20% or more of the specified minimum yield strength (SMYS) of the pipe used.

Responsibility:

4. The responsible engineer for the project shall determine whether the proposed work is reportable to the CPUC in accordance with the parameters specified in the definition of reportable work.
 - A. The engineer or designee shall prepare and assemble the reports and drawings specified to be provided with the 30-day written reports to the CPUC.
 - B. Gas Distribution shall be responsible for reviewing the 30-day written reports and transmitting the final reports for submission to the CPUC.
 - C. Gas Distribution shall monitor the status of reportable work and issue reports as needed.
 - D. Line Organizations are responsible to provide timely feedback to Gas Distribution about the current status of reportable projects under their respective jurisdiction, e.g., scope and schedule changes. This communication should be done by E-Mail to this E-Mail address: CPUCREPORT@DIST@TCS.

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Thirty-Day Written Notification Reports to the CPUC

5. Reports for applicable new construction, or reconstruction or reconditioning jobs must be submitted to the CPUC 30 days prior to commencement of construction. These reports must be signed by the Vice President, Distribution Engineering & Planning. In order to assure that the report is filed prior to the 30-day period, it is necessary that Gas Distribution receive an accurate and complete report, in the specified format, no later than 45 days prior to the start of construction. Late reports to the CPUC may require postponement of the start of construction or a letter to the CPUC explaining why the report was late.

A. These reports must contain the following information:

- Job Title
- Introductory paragraph referencing the section of G.O. 112-E requiring the report and a brief description of the scope of work
 1. Description and purpose of the proposed work.
 2. Specification of the pipe selected for installation.
 3. Maximum allowable operating pressure for which the line is being constructed.
 4. Test fluid and test pressure to be used during strength testing. This sub-section must refer to Gas Standard A-34 and A-37, as applicable. Effects of elevation variation on test pressures must be defined on the strength test pressure report.
 5. Protection of pipeline from hazards as indicated in Paragraphs 192.317 and 193.319 of 49CFR192.
 6. Protection of pipeline from external corrosion.
 7. Reasons for use of casing or bridging where minimum cover will be less than specified in Paragraph 192.327.
 8. Estimated financial cost of the project.
 9. Estimated start of construction date.
- A general arrangement drawing of the pipeline installation. This drawing must show the route of the pipeline and identify the class locations and required design factors for each segment of the pipeline requiring different design factors.
- A vicinity map showing the location of the work with respect to other well-defined landmarks.

B. It is not necessary to submit a set of construction drawings with the filing to the CPUC. However, construction drawings should be available to the CPUC in the field.

Construction drawings must show plan and profile views of the pipeline. All data called for on the drawing should be supplied. Refer to Gas Standard A-34 for construction drawing content, format, technical review and professional engineering review requirements.

6. Reports for uprate projects must be submitted to the CPUC 30 days prior to commencement of uprate. These reports must be signed by the Vice President, Distribution Engineering & Planning. In order to assure that the report is filed prior to the 30-day period, it is necessary Gas Distribution receive an accurate and complete report, in the specified format, no later than 45 days prior to the start of uprate. Late reports to the CPUC may require postponement of the uprate or a letter to the CPUC explaining why the report was late.

A. These reports must contain the following information:

- Job Title
- Introductory paragraph referencing the section of G.O. 112-E requiring the report and a brief description of the scope of work
 1. Maximum allowable operating pressure before uprating and after uprating.
 2. Description and purpose of uprating.
 3. The steps taken to determine the capability of the pipeline to withstand such an increase.
 4. Specification of the pipe to be uprated, include age, physical condition and any leak history.
 5. Estimated date of uprating.
 6. A statement that the increased line pressure meets the requirements of G.O. 112-E, and 49 CFR 192.

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Test Failures

Reports for test failures required in Section 3 shall be submitted on Department of Transportation Form RSPA F7100.1 for distribution lines and Department of Transportation Form RSPA F7100.2 for transmission and gathering lines.

References

49CFR192 – Latest edition updated by DOT RSPA
General Order 112-E – Latest edition issued by the CPUC
Gas Standard A-34 – Design and Test Requirements
Gas Standard A-34.2 – Uprating Procedures – Low-Pressure to High-Pressure
Gas Standard A-37 – Hydrotesting Procedure

Revision Notes:

Revision 01 has the following changes:

1. Added reference 49CFR192 on Page 3.
2. Eliminated 7 day notification report to CPUC.
3. Added E-Mail address for communications (Item 4.D on Page 1).
4. Eliminated uprate procedure submittal requirement.
5. This document is part of Change 42.

