

1.0 PURPOSE

To establish a uniform procedure for preparing and filing reports to the California Public Utilities Commission which are required by §141.2 and §141.3 of General Order 112.

2.0 WORK REPORTABLE TO CPUC

2.1 Paragraph 141.2 requires the Company to report the proposed construction of any new pipeline, or the reconstruction or reconditioning of an existing pipeline where the total estimated cost of the project is \$250,000 or more, and which includes any pipe which will operate at a hoop stress of 20% or more of the specified minimum yield strength (SMYS) of the pipe. Reportability is based on the total cost of the project, not just the cost of the pipe which is designed to operate at 20% or more of SMYS. These jobs must be reported to the CPUC at least 30 days prior to the start of construction.

2.2 Paragraph 141.3 requires the Company to report the uprating of a section of pipeline under the following conditions:

- * 2.2.1 Any uprating of a pipeline operating at 20% or more of SMYS or an uprating to a hoop stress of 20% or more of SMYS. *a pressure which produces*
- 2.2.2 An uprating of a distribution system from an MAOP of 60 psig or less to an MAOP greater than 60 psig.
- 2.2.3 The conversion of a low-pressure distribution system to a high-pressure distribution system.

These upratings must be reported to the CPUC at least 30 days prior to the time of the uprating.

2.3 Paragraph 141.3 requires the Company to report a decrease in the established MAOP of a pipeline operating or to be operated at a hoop stress of 20% or more of the SMYS of the pipe. The reduction must be reported to the CPUC not later than 30 days after the MAOP is reduced.



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1 8-20-84		Issue for use							BFO	
REV.	DATE	DESCRIPTION				GM	DWN.	CHKD.	SUPV.	APVD.
		PIPING - REQUIREMENTS WORK REPORTABLE TO THE CPUC GAS STANDARD								
GM		PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA				B/M				
SUPV.						DWG. LIST				
DSGN.						SUPSDS				
DWN.						SUPSD BY				
CHKD.						SHEET NO.] of 4 SHEETS				
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DATE		SCALE						1/2		
8-20-84										
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3.0 PROCEDURES

- 3.1 The Manager, Gas System Design, must be advised of proposed work reportable under Paragraphs 2.1 and 2.2 above, at least 45 days prior to the time the construction work is to start or the facilities are to be uprated.
- 3.2 A request to decrease an MAOP, as covered by paragraph 2.3 is to be sent to the Manager, Gas System Design prior to establishing the lower MAOP. After reviewing the request with Gas System Planning, the Manager, Gas System Design, shall prepare a letter to the Law Department requesting them to advise the CPUC of the new lower MAOP. The Law Department will prepare a letter to the CPUC as outlined in paragraph 3.3. The MAOP can be lowered after the Division or PLO receives a copy of the Law Department letter to the CPUC.
- 3.3 When notification is received under Paragraphs 3.1 and 3.2 above, the Gas System Design Department will prepare the filing and forward it to the Law Department for transmittal to the CPUC.

4.0 INFORMATION REQUIRED

- 4.1 For a job to be reported under Paragraph 2.1 (over \$250,000 and to operate at greater than 20% SMYS), the following information must be included:
 - 4.1.1 Description and purpose of the proposed facility.
 - 4.1.2 Specifications covering the pipe selected for installation, route map segregating incorporated areas, terrain profile sketches indicating maximum and minimum elevations for each test section of pipeline, and, when applicable, reasons for use of casing or bridging where the minimum cover will be less than specified in paragraph 192.317.
 - 4.1.3 Maximum allowable operating pressure for which the line is being constructed, class locations, and design factors.
 - 4.1.4 Fluid and test pressure to be used during proof strength testing.
 - 4.1.5 Protection of pipeline from hazards as indicated in paragraphs 192.317 and 192.319 of G.O. 112-D.
 - 4.1.6 Protection of pipeline from external corrosion.
 - 4.1.7 Estimated cost with supporting detail.
 - 4.1.8 In addition to the general arrangement drawing of the installation, a map showing the location of the work with respect to other well defined landmarks may be appropriate.

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4.2 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, and it is desirable to have these drawings on a uniform format. To accomplish this, the form and the necessary information should be as outlined below:

4.2.1 The Land and Gas System Design Departments currently use a standardized drawing form for pipeline design drawings. This drawing form can be obtained from the General Office Land Department, Supervisor of Office Engineering, extension 1612. Request LD GAS blank forms. It is recommended that you use these drawing forms for all transmission lines and for 12-inch diameter and larger distribution lines.

4.2.2 Construction drawings should show plan and profile views of the pipeline. All data called for on the drawing should be supplied, including the type of welding inspection to be used, i.e., visual or radiographic inspection, and where appropriate, the percentage of welds which are to be radiographically inspected. The Design Criteria Stamp provides a place for this information. Note that the drawing form provides a space for entering the test and welding inspection requirements. The drawings should provide details of tie-in piping and of any other fittings, valves, or facilities other than pipe. Two copies of the drawings shall be sent to Gas System Design for review. One copy will be signed by the Manager of Gas System Design and returned to the Division responsible for the project. The second copy will be kept on file in Gas System Design.

4.3 For an uprating job reportable to the CPUC the following information must be provided.

4.3.1 The location of the work.

4.3.2 The new MAOP to be established, including the reason why the higher pressure is necessary.

4.3.3 The age, condition, material, and size of the pipe being uprated.

4.3.4 Steps taken to determine the capability of the pipe to withstand the increased pressure.

4.3.5 The method to be used in uprating the system.

4.3.6 A map of the facilities involved.

4.4 An uprating procedure must be prepared and must be available at the jobsite. A copy should be submitted to the Gas System Design Department prior to the uprating. It need not be sent to the CPUC with the filing.

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4.4.1 An uprating procedure must be prepared and followed for every uprating, whether or not the job is reportable to the CPUC.

4.5 The following information must be supplied for a job involving a reduction in the MAOP of a line or system.

4.5.1 Description of the system.

4.5.2 Reason for lowering the MAOP.

5.0 RESPONSIBILITY

5.1 The Engineer responsible for the design of a facility shall determine whether the work is reportable to the CPUC. This shall be indicated in the statement of necessity for the job. The engineer shall prepare the notification and send it to the Gas System Design Department.

5.2 Any person making changes to an estimate involving the pipe, the cost, or the MAOP of a facility shall verify that these changes have not changed the reporting requirements. Where changes are made which make a job reportable to the CPUC, the person making the changes shall notify the responsible engineer and the Gas System Design Department.

5.3 Gas System Design is responsible for preparing the filing for transmittal to the Law Department. Once a job has been formally filed with the CPUC, Gas System Design will maintain contact with the CPUC staff to keep them advised of the work schedule on a project, and the scheduling of any tests to be performed.

* 5.4 Before a job is started, the ~~Responsible Engineer~~ ^{Project Coordinator} and the supervisor responsible for construction shall verify that the filing has been made with the CPUC, and that 30 days have elapsed from the time the filing was made.

* 5.5 The ~~supervisor~~ ^{Project Coordinator shall be responsible for advising} responsible for construction shall advise Gas System Design when construction is to start and the scheduling of any tests. Notification of tests should be given to Gas System Design seven (7) days prior to the test, so that the CPUC staff can be notified to make arrangements to witness the test if they desire to do so.

5.6 Once the Commission has been advised of a test, the test may proceed on the day scheduled, whether or not a Commission Representative is present.

5.7 The Responsible Engineer has the responsibility to assure that the facility is designed in accordance with G.O. 112-D, and that the necessary test report forms are prepared and accompany the job.

5.8 The supervisor responsible for construction has the responsibility that the facility is constructed and tested in accordance with all applicable Company standards and G.O. 112-D.

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