

1. PURPOSE

1.1 This standard is to establish frequencies and procedures for lubricating and maintaining plug, ball, and gate valves on gas transmission and distribution systems.

2. VALVE MAINTENANCE SCHEDULE

* 2.1 A program and schedule for valve lubrication and inspection shall be established by each Division and Pipe Line Operations. The work required and the frequency with which this work must be performed are as follows:

* 2.1.1 Transmission line valves which might be required during an emergency must be inspected, lubricated (where required), and partially operated once each calendar year as specified in Section 2.2.

* 2.1.2 Each distribution system valve, the use of which may be necessary for the safe operation of the system, must be inspected, serviced, lubricated (where required), and partially operated twice each calendar year as specified in Section 2.2.

* 2.1.3 Manually operated station valves should be inspected, lubricated (where required), and partially operated at least twice each calendar year as specified in Section 2.2. Additional servicing and lubrication should be scheduled when valves are used frequently.

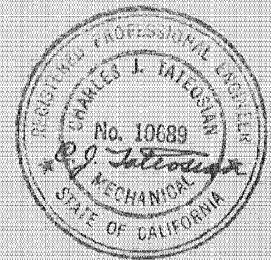
2.1.4 When partially operating a valve to comply with 2.1.1, 2.1.2, or 2.1.3 above, the valve plug must be rotated. Rotation of 45° is preferred where load conditions permit.

* 2.1.5 Power actuated valves on standby or used for overpressure protection, should be partially operated and inspected once a month, and lubricated (where required) at least twice each calendar year as specified in Section 2.2.

2.1.6 Power actuated ball and plug valves used as regulators should be lubricated and inspected at least once a week.

2.1.7 All valves shall be inspected and lubricated (where required) prior to use.

*Paragraph revised
**Paragraph added



APPROVED BY	7	7-21-85	REV'D. PAR. 2.1-2, 2.1.1, 2.1.2, 2.1.3, 2.1.5 ADD 2.2 SECT.						
WJH	WER	6	3-2-84	REV'D. PAR. 2.1, 2.1.1, 2.1.2, 2.1.3, 2.1.5 ADD 2.2 SECT.					
PAL	TOB	5	9/1/83	REV'D. PAR. 2.1.2					CJT/MOB/PA
JAF	RCB	4	9/27/82	REVISED & UPDATED					MOB/PA
IWH	CJT	REV.	DATE	DESCRIPTION	GM	DWN.	CHKD.	SUPV.	APVD.
GM	VALVE - DATA SHEET				B/M				
SUPV.	Lubrication and Maintenance Requirements				DWG. LIST				
DSGN.	GAS STANDARD				SUPSDS		084470		
DWN.	PACIFIC GAS AND ELECTRIC COMPANY				SUPSD BY				
CHKD.	SAN FRANCISCO, CALIFORNIA				SHEET NO. 1 of 10 SHEETS				
O.K.					REV.				
DATE	SCALE					086389		8	
5-28-75						MICROFILM			

**** 2.2 Scheduling of Maintenance**

- 2.2.1 An annual "anniversary month" shall be established for the inspection and maintenance of each valve covered by Section 2.1. The "anniversary month" is the calendar month in which the inspection and maintenance required in Section 2.1 is scheduled. Except as permitted by Paragraph 2.2.4, the "anniversary month" shall be based on the month in which the last inspection and maintenance was performed in 1983 and shall be the same month each subsequent year.
- 2.2.2 Where Section 2.1 requires maintenance twice each calendar a second anniversary month shall be established, as the sixth month after the annual anniversary month established in Paragraph 2.2.1.
- 2.2.3 The inspection and maintenance required by Section 2.1 shall be scheduled for the anniversary month(s). If circumstances do not permit performance of the work during the month in which it is scheduled, it may be performed in the month prior to or following the scheduled month, provided the annual or semi-annual requirements of Section 2.1 are met.
- 2.2.4 A new anniversary month(s) for scheduled maintenance may be established by performing the required inspection and maintenance during a month which is earlier than the anniversary month. A new anniversary month may not be established by performing the scheduled maintenance during a month following the established anniversary month. Performing the work during the month prior to or the month following the anniversary month, as permitted by Paragraph 2.2.3, will not change the anniversary month.

3. GENERAL

- 3.1 Valves equipped with button head lubricating fittings are to be lubricated with a high-pressure grease gun equipped with the appropriate pressure gage. Valves equipped with lubricant screws are to be lubricated with stick type lubricants. Only clean lubricants of the type specified by this standard or as approved by the Gas System Design Department should be used. Each valve requiring lubrication as a normal maintenance requirement should be lubricated at intervals not exceeding one year. Service conditions may require more frequent lubrication of some valves.
- 3.2 A tag may be attached to the valve to indicate if lubrication is needed. If the valve requires lubrication, the tag shall state the type of lubricant and the frequency of application of this lubricant.

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	SHEET 2 OF 10 SHEETS	086389	6
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