

REVISIONS		BY	CHKD	APVD
NO	DATE	DESCRIPTION		
0	10-31-78	ISSUED FOR USE (PLO)		
1	8-4-83	REVISED (PLO)		
2	9-17-99	REVISED AND UPDATED		
3	2-12-01	REVISED AND UPDATED		
4	5/20/03	REVISED AND UPDATED		

CM	REFERENCES	SUPDS	
APVD	PIPELINE - DATA SHEET OVERPRESSURE PROTECTION DEVICE SETTINGS CALIFORNIA GAS TRANSMISSION GAS OPERATIONS PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA	SUPSD BY	
SUPV DSN DWN CHKD DK		SHEET A DRAWING NUMBER 183018	SHEETS REV 4
DATE 10-31-78		MICROFILM	

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PURPOSE

This drawing lists some actual and all maximum set pressures for pipeline overpressure protection devices

DEFINITIONS

Set Pressure is the actual set point that the overpressure protection device is set at

Maximum Set Pressure is the maximum set point that an overpressure protection device can be set at to ensure the pressure in a pipeline never exceeds 1) the maximum allowable operating pressure plus 10 percent, or 2) the pressure that produces a hoop stress of 75% of SMYS, *whichever is lower* [code requirement 49CFR192.21(a)]

Maximum Operating Pressure (MOP) is the maximum pressure at which a gas pipeline system may be operated in accordance with the criteria established in DCS/GTS Standard D-S0430/S 4125

Maximum Allowable Operating Pressure (MAOP) is the maximum pressure at which a pipeline, pipeline segment, or component is qualified to operate in accordance with the requirements of 49 CFR Part 192

GENERAL NOTES

- Types of overpressure protection devices listed in this drawing are relief valves (conventional and quick opening (QO)) and monitor valves. See CGT Standard 4125.2 for specific guidelines on where to set these devices.
- Listed in this drawing are some actual set pressures in the "Set Pressure" column and the maximum set pressures in the "Maximum Set Pressure" column. If changes need to be made to the set pressures in this drawing a Facility or Pipeline Engineer must approve the changes. (See CGT Standard S 4125.1 for the process)
- Some critical regulators on Lines 300, 400, and 401 have been listed as a reference. The maximum set pressure for the regulators is the MOP of the piping downstream of the station.

RELATED POLICY

CGT Standard S 4125.1, "Setpoints, Overpressure Protection Devices"
CGT Standard 4125.2, "Establishing Setpoints on Overpressure Protection Devices"

0	10/31/78	Issue for Use (PLO)				Approved By	Job #	PIPELINE DATA SHEET Overpressure Protection Device Settings <i>California Gas Transmission Pacific Gas and Electric Company San Francisco, California</i>	Bill of Matl	
1	8/4/83	Revised (PLO)					Supv		Dwg List	
2	9/17/99	Revised and updated					Dsgn		Supds	
3	2/12/01	Revised and updated					Dwn		Supsd By	
4	5/20/03	Revised and updated					Chkd		Sheet No	B
No	Date	Description	Dwn	Chkd	Apvd		OK	Drawing	Rev	
REVISIONS							Date 10-31-78	183018	4	
							Scales	Microfilm		