STATE OF CALIFORNIA

PETE WILSON, Governor

AIR RESOURCES BOARD
2020 L STREET
P.O. BOX 2815
ACRAMENTO, CA 95812

December 28, 1992

Martin Pettesch
Universal Valve Company
478 Schiller Street
Elizabeth,New Jersey

#92-30

Dear Mr. Pettesch:

Certification of Universal Valve Co. Pressure/Vacuum Valve

You requested certification of the Universal Valve Company Model #46 pressure/vacuum (P/V) relief valve. The Model #46 valve employs a 2-inch slip-on configuration to secure the valve to the storage tank's vent pipe. The valve is secured to the vent pipe by three 1/4-inch #20 slotted-head mounting screws. You intend to use your valve Model #46 on both threaded and unthreaded riser pipes since the connection is made at the end of the riser instead of on the side surface. The major components of your valve are made of cast aluminum. The cap assembly includes a #40 fine mesh brass screen to prevent entry of foreign objects. Pressure and vacuum release is controlled by two cadmium-plated music wire conical springs which are affixed to the poppet. When pressure/vacuum becomes excessive, the poppet opens, relieving the unwanted pressure/vacuum. The conical springs return the poppet to the closed position after excessive pressure/vacuum is relieved. Pressure relief setting is at 2 inches water column, plus or minus one inch water column. Vacuum setting does not exceed one-half ounce per square inch (0.8 inches water column) of vacuum.

As required by the Air Resources Board certification procedures, you requested the approval of the Division of Occupational Safety and Health, the Office of the State Fire Marshal,and the Department of Food and Agriculture, Division of Measurement Standards. The necessary approvals have been obtained from these agencies.

I find that the Universal Valve Company Model #46 P/V valves will not adversely affect Phase II vapor recovery systems on which they may be installed,provided they are not inconsistent with the P/V valves or settings specified in individual system certification Executive Orders. Therefore, the Universal Valve Company Model #46 pressure/vacuum valves are certified for use with Phase II gasoline vapor recovery systems.

If you have any questions, please call Roye Jackson, Manager of the Field Evaluation Section,at (916) 322-6033.

Sincerely,

James J. Morgester, Chief
Compliance Division

cc: All APCDs and AQMDs
Vapor Recovery Technical Committee Members
CAP Gasoline Marketing and Distribution Manual