STATE OF CALIFORNIA

PETE WILSON, Governor

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

June 7, 1994

Mr. Donald L. Leininger
Project Engineer
OPW Fueling Components
Post Office Box 405003
Cincinnati, Ohio 45240-5003

#94-11

Dear Mr. Leininger:

Approval of the OPW 523 Series Pressure/Vacuum Valve

Mr. William J. Brown of OPW Fueling Components requested California Air Resources Board (CARB) approval of the OPW Fueling Components 523 Series pressure/vacuum (p/v) relief valve with settings of +3 and -8 inches water column pressure. The 523 Series p/v valve is designed to be installed on two or three inch vent pipes of flammable liquid storage tanks.

The units are constructed of molded plastic (Duratuff) and are designed to open at a positive pressure of 3 $\pm$ .5 inches water column and a negative pressure of 8 $\pm$ 2 inches water column. The p/v valve assembly contains a fine mesh screen to prevent entry of foreign objects. The vent base adapter is made of either zinc/aluminum casting or molded plastic. The valve is affixed to the storage tank's vent pipe either by internal threads or a "slip on" design which allows the p/v valve to be slipped over a vent pipe and secured by set screws. Sealing between the adapter and vent pipe is provided by a radial seal ring. The p/v valve assembly's pressure release is controlled by a dead weight while a stainless steel spring controls the vacuum release. The manufacturer's name, model number and UL Mark shall be cast or stamped into the vent top.

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 use of the 523 Series p/v valve, when installed in accordance with the manufacturer's instructions and the conditions listed above, will not adversely affect the performance of vapor recovery systems on which it is installed. Therefore, the OPW 523 Series p/v relief valve with settings of +3 and -8 inches water column pressure is certified for use with all Phase I gasoline vapor recovery systems and all Phase II

gasoline vapor recovery systems provided that it meets the specifications contained in the Executive Orders.

Should you have any questions or need further assistance, please contact Mr. Basharat Iqbal at (916) 324-7343 or Ms. Laura Sullivan McKinney at (916) 327-1525.

Sincerely,

James J. Morgester, Chief
Compliance Division

cc: Mr. Kenneth Kunaniec, Chairman
CAPCOA Vapor Recovery Committee

Mr. Gary Hunter, Manager
CARB Compliance Assistance Section