STATE OF CALIFORNIA PETE WILSON, Governor

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

December 19, 1995

Mr. Donald L. Leininger
Technical Liaison Manager
OPW Fueling Components
Post Office Box 405003
Cincinnati, Ohio 45240-5003

#95-40

Dear Mr. Leininger:

Approval of the OPW Model 66FD Flow Limiter

You requested California Air Resources Board (CARB) certification of the OPW Model 66FD Flow Limiter unit.

The 66FD Flow Limiter is designed to limit the liquid flow of gasoline to 10 gallons per minute (gpm) at any pressure up to 50 psig. The flow limiter is installed between the dispenser and the inverted coaxial hose assembly. The inner passage is for returning displaced gasoline vapors to the storage tank or processing unit. The outer passage carries the liquid fuel through the flow limiter portion of the device to the fuel dispensing nozzle. The flow limiter has a M34 x 1.5 straight male and female thread. The liquid and vapor lines are rated 50 and 1/2 psi, respectively.

The 66FD Flow Limiter shall be installed on power operated gasoline dispensing units that incorporate vapor recovery with operating pressures not exceeding 50 psig. They shall be used with inverted coaxial vapor recovery hose assemblies. Installation shall be in accordance with the manufacturer's instructions. As required by the California State Fire marshal (CSFM), the manufacturer's name or identification and model number shall be provided on a self-adhesive label, approved by Underwriters Laboratories, and affixed to the 66FD Flow Limiter. The flow direction shall also be cast into the body of the unit.

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 66FD unit, 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 Model 66FD Flow Limiter is certified for use with the following CARB approved assist type vapor recovery systems:

Gilbarco VaporVac	Executive Order G-70-150-AB
Dresser Wayne WayneVac	Executive Order G-70-153-AA
Tokheim MaxVac	Executive Order G-70-154
OPW VaporEZ	Executive Order G-70-163
Hasstech VCP 3A	Executive Order G-70-164

The 66FD may also be used on Hasstech VCP 2A systems, as specified in Executive Order G-70-7-AD, which use OPW HP1000 bootless nozzles.

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