STATE OF CALIFORNIA

PETE WILSON, Governor

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

October 6, 1995

Mr. Larry Wohlford
Quality Manager
Richards Industries, Inc.
Manufacturers Road
Route 3, Box 45
Rockwood, Tennessee 37854

#95-32

Dear Mr. Wohlford:

Approval of the Richards Industries MFVA Swivel Joint

You requested California Air Resources Board (CARB) certification of the Richards Industries Model MFVA swivel joint.

The Richards MFVA swivel joint is a swivel device designed for use with assist type vapor recovery systems and inverted coaxial hoses and nozzles. The MFVA swivel is installed between a nozzle and hose assembly and allows the rotation of the hose or nozzle without placing torsional stress on the hose assembly. The device consists of swivel nuts on each end of an aluminum body and a 45 degree aluminum elbow with eight "O" rings, a retaining ring, a contact ring, a nylon retaining rod and an adaptor.

The MFVA swivel is intended for use with inverted coaxial vapor recovery applications and is intended for the transfer of gasoline at liquid pressures not exceeding 50 pounds per square inch gage (psig). The unit shall be installed between the gasoline hose assembly and the nozzle. As required by the California State Fire marshal (CSFM), the unit shall be installed in accordance with the manufacturer's installation instructions, NFPA No. 30A Automotive and Marine Service Station Code and in compliance with the Underwriters Laboratory (UL) listing. The listee's name and model number designation shall be cast in the unit body or provided on a self adhesive water and fuel resistive label that complies with UL requirements.

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 MFVA swivel unit, when installed in accordance with the manufacturer's instructions and the conditions listed above, will not adversely affect the performance of assist vapor recovery systems on which it is installed. Therefore, the Richards Industries Model

MFVA swivel joint is certified for use with assist type vapor recovery systems and inverted coaxial hoses and 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