STATE OF CALIFORNIA

PETE WILSON, Governor

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

May 16, 1994

Larry Wohlford
Quality Manager
Richards Industries
Route 3, Box 45
Rockwood, Tennessee 37854

#94-9

Dear Mr. Wohlford:

Approval of the Richards Industries Models VA-60 and VA-61
Inverted Coaxial Breakaway Couplings

You requested California Air Resources Board (CARB) approval of the Richards Industries Models VA-60 and VA-61 breakaway couplings. The VA-60 and VA-61 inverted coaxial non-swiveling aluminum emergency breakaway couplings consist of a male spud and a female body assembled within a sleeve. The spud and body each contain an integral fluid check valve assembly. The male spud on the Model VA-60 also contains a vapor check valve assembly. The male spud and body are held together by two shear pins. When the body and spud are subjected to a predetermined pull force, not exceeding 300 pounds, the shear pins break thus releasing the male spud. The fluid check valves prevent the escape of liquid from the hose lines. With the Model VA-60, the vapor line is also closed by a vapor check valve assembly.

The Models VA-60 and VA-61 are for use with gasoline dispensing devices having vapor recovery capabilities and working pressures not exceeding 50 pounds per square inch. These units are used between two gasoline hose assemblies to safeguard against abnormally excessive pull forces on the hose assembly and dispenser. Because the Model VA-61 does not contain a vapor check valve, it shall only be used on systems containing a flame arrestor or other positive automatic isolation methods or systems. This isolation between the tank and vapor return piping is to prevent flashback from reaching the tank when this model is used.

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 VA-60 and VA-61 breakaways, 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 they are installed. Therefore, the Richards Industries VA-60 and

VA-61 inverted coaxial breakaway couplings are certified for use with the following Phase II "bootless nozzle" vapor recovery systems:

Phase II System	Current Executive Order
Hasstech VCP 2/2A	G-70-7-AD
Gilbarco VaporVac	G-70-150-AB
Dresser/Wayne WayneVac	G-70-153

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: Gary Hunter, Manager
CARB Compliance Assistance Section

Kenneth Kunaniec, Chairman
CAPCOA Vapor Recovery Committee