Cal/EPA

California Environmental Protection Agency

Air Resources Board

P.O. Box 2815
2020 L Street
Sacramento, CA
95812-2815

June 6, 1996

Pete Wilson
Governor

James M. Strock
Secretary for Environmental Protection

Jay Butler
Thermoid HBD Industries, Inc.
One Industrial Lane
Post Office Box 310
Oneida, Tennessee 37841-0310

#96-14

Dear Mr. Butler:

Approval of the 7/8 Inch Inner Diameter Inverted Coaxial Hose

You requested California Air Resources Board (CARB) certification of the HBD Industries Inc./Thermoid (Thermoid) Hi-Vac inverted coaxial vapor recovery hose assembly with a 7/8 inch inner diameter.

This component is identical to the CARB approved Thermoid Hi-Vac "S" hose assembly listed in Approval Letter #94-21, except for the diameter of the liquid carrying outer hose. The approved Hi-Vac "S" hose assembly consists of an outer hose with an inner diameter of 0.800 inches, while the new Hi-Vac hose assembly consists of an outer hose with an inner diameter of 0.875 inches. The material of the outer fluid hose of both assemblies is the same with a single braid wire reinforcement design. Both assemblies also have identical inner vapor return hoses.

Installation of the Hi-Vac hose assembly shall be in accordance with the manufacturer's instructions and all applicable codes. Each assembly shall bear the listee's name "HBD/THERMOID" and the model designation "HI-VAC CO-AX HOSE" stamped or embossed onto the outer hose coupling. The Underwriters Laboratory (UL) Mark shall be printed on a recognized adhesive backed label and affixed to the outer sleeve of the hose assembly or stamped/embossed onto the outer hose coupling.

As required by CARB certification procedures, the necessary approvals from the Office of the State Fire Marshal and the Division of Occupational Safety and Health have been obtained. I find that the use of the Hi-Vac vapor recovery hose assembly, when properly installed, will not adversely affect the performance of the vapor recovery system. Therefore, the Thermoid Hi-Vac inverted coaxial hose assembly is certified for use with CARB approved Phase II vapor recovery systems which require inverted coaxial type hoses.

If you have any questions or need further assistance, please contact Ranjit Bhullar at (916) 323-7370, or Laura McKinney at (916) 327-1525.

Sincerely,

James J. Morgester, Chief
Compliance Division

cc: Mr. Jim Johnson, Chairman
CAPCOA Vapor Recovery Committee

Mr. Gary Hunter, Manager
CARB Compliance Assistance Section