STATE OF CALIFORNIA

PETE WILSON, Governor

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

October 4, 1995

Mr. Glenn K. Walker
President
Vapor Systems Technologies, Inc.
424 North Irwin Street
Dayton, Ohio 45403

#95-30

Dear Mr. Walker:

Approval of the VST Model VDV Coaxial Hose and Liquid Removal Assembly

You requested California Air Resources Board (CARB) certification of the Vapor Systems Technologies (VST) Model VDV standard coaxial hose with built-in liquid evacuation device.

The VST Model VDV hose assembly is similar to the VST coaxial hose assembly CARB certified in Executive Order G-70-52-AM except that it has an added liquid removal feature. This added feature consists of liquid evacuation components that are used in conjunction with applicable CARB certified nozzles to draw accumulated liquid out of the low points in the hose bend and returned them to the normal flow path of the fuel. The components of this system are: venturi near the nozzle end of the hose, pick-up tubing in the hose, and a check valve located on the end of the pick-up tubing.

The Model VDV hose assembly is designed for CARB approved hose configurations which require liquid removal systems. This assembly is designed to remove liquid that may accumulate in the bend or low point of the vapor hose, preventing the vapor path from becoming blocked by liquid and rendering the vapor recovery system less effective. This assembly is intended for use only with dispensing devices and hose-nozzle valves incorporating "coaxial type" vapor recovery provisions.

As required by the California State Fire marshal (CSFM), the unit shall be installed in accordance with the manufacturer's installation instructions and the requirements of NFPA 30A of the Automotive and Marine Service Station Codes of the National Fire Association. The hose ferrule shall bear the listee's name "Vapor Systems Technologies, Inc.", nozzle end label, and Underwriters Laboratories label. In addition, a serial number label shall be placed on the hose ferrule.

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 VDV assembly, when installed in accordance with the manufacturer's instructions and the conditions listed above, will not adversely affect the performance of standard coaxial vapor recovery systems on which it is installed. Therefore, the VST Model VDV standard coaxial hose with built-in liquid evacuation device is certified for use with systems incorporating CARB approved standard coaxial type vapor recovery 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