STATE OF CALIFORNIA
AIR RESOURCES BOARD
2020 L STREET
.O. BOX 2815
ACRAMENTO, CA 95812

PETE WILSON, Governor

March 29, 1996

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

#96-8

Dear Mr. Walker:

Approval of the VST Model VST-CIS Inverted Coaxial Hose Assembly

Mr. Patrick Czupik, Operations Manager for Vapor Systems Technologies (VST) Incorporated, requested California Air Resources Board (CARB) certification of the VST Model VST-CIS inverted coaxial vapor recovery hose assembly.

The VST-CIS hose assembly is identical to the CARB approved VST VSTaflex inverted coaxial hose assembly, except for a conversion fitting on the dispenser end of the hose assembly. The VSTaflex unit was CARB approved on October 19, 1994, and is listed in Approval Letter #94-25. It is also listed in many assist type system's Executive Orders. The conversion fitting on the dispenser end of the VST-CIS hose is identical to the conversion fitting used in the CARB approved VST SR hose assembly. The VST SR unit was approved on January 23, 1996, and is listed in Approval Letter #96-2. The conversion fitting is intended to convert product flow from standard coaxial (as it exits the dispenser) to inverted coaxial (as it enters the inverted coaxial hose assembly).

The outer hose is designed to handle gasoline being dispensed into a motor vehicle. The inner hose is used for returning gasoline vapors to the service station's underground storage tanks. The hose assemblies are manufactured in various lengths up to a maximum of 15 feet. The VST-CIS shall be installed in conformity with manufacturer's instructions and all applicable codes. Specifically, with the Automotive and Marine Station Code of the National Fire Association (NFPA 30A). As required by the California State Fire Marshal (CSFM), the listee's name "Vapor Systems Technologies, Inc.", the model number "VST-CIS", and Underwriter's Laboratory (UL) label shall appear on the hose ferrule. The hose shall also bear the Vapor Systems Technologies brand, UL listing and the date of manufacture.

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 previously been obtained from these agencies as part of the VSTaflex and VST SR hose assembly certifications.

I find that the use of the VST-CIS 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 VST Model VST-CIS inverted coaxial vapor recovery hose assembly is certified for use with the following CARB approved assist type Phase II vapor recovery systems:

Gilbarco VaporVac	Executive Order G-70-150-AC
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

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