STATE OF CALIFORNIA

PETE WILSON, Governor

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

August 15, 1995

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

#95-27-A

Dear Mr. Walker:

Approval of the VST-IS-BK and VST-H-BK Hose/Breakaway Assemblies

You requested California Air Resources Board (CARB) certification of the VST Model VST-IS-BK and VST-H-BK inverted coaxial hose/breakaway combination assemblies.

The VST inverted hose/breakaway combination assembly is designed for use with assist vapor recovery systems. The VST-IS-BK model hose/breakaway assembly uses metric 34 type threads and is designed to be used with the following systems:

Gilbarco VaporVac	Executive Order G-70-150-AB
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

VST also has another model, VST-H-BK, which is designed for use with the Healy 600 System (Executive Order G-70-165). This hose/breakaway assembly uses 1-1/4 inch 18 UNEF straight threads.

The VST Models VST-IS-BK and VST-H-BK inverted coaxial hose/breakaway assemblies are intended for use with "high hose" type power-operating dispensing devices to safeguard against abnormally excessive pull forces on the hose assembly and dispenser. They are intended for the transfer of gasoline at liquid pressures not exceeding 50 psig. The couplings incorporate a whip hose with a "swivel" that permits rotation of the hose or hose nozzle valve so that it can be manipulated without placing torsional stress on the hose assembly. The units are also designed to be reassembled after separation.

The hose/breakaway assemblies consist of a whip hose and an aluminum breakaway which snaps into an outer collar that is attached to the hose end. Integral check valves are provided in each component. When the coupling is subjected to a pull force not exceeding 300 pounds, the whip hose end separates from the hose end. The check valves prevent the escape of liquid from the hose assembly and nozzle valve. A vapor check valve in the inlet end also prevents the escape of vapor from the hose assembly.

The VST-IS-BK and VST-H-BK hose/breakaway combination units shall be installed in conformity with manufacturer's instructions and all applicable codes. Specifically, Title 19 of the California Code of Regulations (CCR) Chapter 11.5 "Gasoline Vapor Control Systems" and the Automotive and Marine Station Code of the National Fire Protection Association, (NFPA-30A). As required by the California State Fire Marshal (CSFM), the listee's name "Vapor Systems Technologies, Inc." the model number, and the Underwriters Laboratories (UL) label shall be marked on the breakaway portion of the assemblies.

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 VST-IS-BK and VST-H-BK hose/breakaway combination units, 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 they are installed. Therefore, the VST-IS-BK inverted coaxial hose/breakaway assembly is certified for use with the following systems:

Gilbarco VaporVac	Executive Order G-70-150-AB
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

The VST-H-BK inverted coaxial hose/breakaway assembly is certified for use with the Healy 600 System (Executive Order G-70-165). This letter supersedes and replaces Approval Letter #95-27.

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