STATE OF CALIFORNIA

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

PETE WILSON, Governor

January 11, 1994

Detlev E. Hasselmann
President
Hasstech, Inc.
6985 Flanders Drive
San Diego, CA 92121

Dear Mr. Hasselmann: #94-1

Approval of Hazlett H-PVB-1 Valves on Hasstech VCP-2/2A System

You requested California Air Resources Board (CARB) approval to use the Hazlett Engineering Company's "Gold Label" H-PVB-1 Pressure/Vacuum (p/v) valves on the Hasstech VCP-2/2A Vapor Recovery System. The Hasstech VCP-2/2A system is currently approved for use only with the Varec 2010-811-2 and Hazlett "Blue Label" p/v valves. The "Gold Label" Hazlett H-PVB-1 p/v valve is already certified for use with Phase II vapor recovery systems (Approval Letter #92-20)

The Hazlett H-PVB-1 is a two way ventilation valve designed to relieve both the unwanted positive and negative pressures that may occur in fuel storage tanks. The H-PVB-1 utilizes two check valves (ball and gravity types) with the operating pressures and flow capacities for both functions determined simply by the weight of the ball and area of seat contact. The Hazlett "Gold Label" H-PVB-1 p/v valve has a pressure setting of 2.95 inches water column and the vacuum setting of -6.5 inches water column.

I find that the use of the "Gold Label" H-PVB-1 valves will not adversely affect the vapor recovery performance of the Hasstech VCP-2/2A system. Therefore, the Hazlett "Gold Label" H-PVB-1 Pressure/Vacuum Valves (Approval Letter #92-20) are certified for use with the Hasstech VCP-2/2A Vapor Recovery System (Executive Order #G-70-7-AD). If you have any questions, please call Basharat Iqbal at (916) 324-7343 or Laura McKinney at (916) 327-1525.

Sincerely,

James J. Morgester, Chief
Compliance Division

cc: Vapor Recovery Technical Committee