STATE OF CALIFORNIA

PETE WILSON, Governor

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

August 7, 1995

Mr. Donald L. Leininger
Technical Liaison Manager
OPW Fueling Components
Post Office Box 405003
Cincinnati, Ohio 45240-5003

#95-29

Dear Mr. Leininger:

Approval of the OPW 11VAI Nozzle with Vapor Valve on Hasstech Systems

You requested California Air Resources Board (CARB) certification of the OPW Model 11VAI bootless nozzle with internal vapor valve for use with the Hasstech VCP-2, VCP-2A (Executive Order G-70-7-AD) and VCP-3A (Executive Order G-70-164) vapor recovery systems. OPW currently has a 11VAI nozzle CARB certified for use with the Hasstech systems listed above. However, the Hasstech certified 11VAI nozzle does not incorporate an internal vapor valve. You requested certification of the 11VAI nozzle with vapor valve for use on these systems.

OPW has a variety of 11VAI nozzles. These nozzle are distinguishable by suffixes. The suffixes describe characteristics of the nozzle. The 11VAI nozzles applicable to this certification are:

OPW 11VAI-24	Nozzle with vapor valve, leaded spout, and no vapor shroud
OPW 11VAI-29	Nozzle with vapor valve, unleaded spout, and no vapor shroud

The enclosed outline of the nozzle shows the component parts of the 11VAI.

The 11VAI nozzles are intended for use with vacuum assist type vapor recovery systems and shall be installed in accordance with manufacturer's instructions and all applicable codes. The manufacturer's trademark "OPW" shall be molded on the lever guard followed by a stamped model number. The nozzles shall also be labeled with a statement which specifies that the nozzle is intended for use only with a hose assembly or swivel connector with inverted coaxial type connections. As required by the California State Fire marshal (CSFM), the Underwriters Laboratories (UL) label or CSFM seal shall be affixed to the body of the nozzle handle on a recognized labeling system.

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 11VAI nozzles with internal vapor valves, when installed in accordance with the manufacturer's instructions and the conditions listed in this letter, will not adversely affect the performance of the Hasstech vapor recovery systems on which they are installed. Therefore, the new and rebuilt OPW Models 11VAI-24 and 11VAI-29 bootless nozzles are approved for use with the CARB certified Hasstech VCP-2, VCP-2A and VCP-3A vapor recovery systems and are subject to the following conditions:

1) The nozzle shall be capable of meeting the air to liquid (a/l) ratio performance specifications contained in the Executive Order G-70-7-AD or G-70-164. The a/l ratios for the nozzle does not include the air aspirator portion of the nozzle.

2) The nozzle shall have an integral vapor valve which prevents the loss of vapors from the underground storage tanks, ensures proper operation of the system and prevents ingestion of air into the system.

3) Each nozzle shall be 100 percent performance checked at the factory. The maximum allowable leak rate for during this factory performance test shall not exceed the following:

   0.038 CFH at a pressure of at least two (2) inches water column
   0.005 CFH at a vacuum of at least forty (40) inches water column

Each of the following situations constitutes a defective nozzle and the nozzle shall immediately be removed from service:

1) Any nozzle not capable of demonstrating compliance with the a/l ratio performance specification as contained in Executive Order G-70-7-AD or G-70-164.

2) Any nozzle with a defective vapor valve.

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

Enclosure

cc: Mr. Kenneth Kunaniec, Chairman, CAPCOA Vapor Recovery Committee
Mr. Gary Hunter, Manager, CARB Compliance Assistance Section
Mr. Erich C. Hasselmann, Hasstech, Inc.