STATE OF CALIFORNIA PETE WILSON, Governor

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

March 16, 1995

Mr. Arthur C. Fink, Jr.
Vice President, Engineering
Husky Corporation
Post Office Box 67
Pacific, Missouri 63069

#95-12

Dear Mr. Fink:

Approval of the Husky V34 6200-8 Nozzle with the Hasstech VCP 2/2A Vapor Recovery Systems

You requested California Air Resources Board (CARB) approval of the Husky V34 6200-8 nozzle with the Hasstech VCP 2/2A vapor recovery system.

The Husky V34 6200-8 has the same nozzle body as the currently certified Husky V34 6200, but with a spout that contains an additional hole 3 1/4 inches from the end of the spout (refer to the enclosed Figure). This nozzle has an integral vapor valve which prevents the loss of vapors from the underground storage tank.

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.

The Husky V34 6200-8 nozzle has successfully passed the required CARB certification testing with the Hasstech VCP-3A system. Since the VCP-3A system consists of modifications down-stream of the collection unit, both systems operate identical on the upstream of the collection unit. I find that the use of the Husky V34 6200-8 nozzle, when installed in accordance with the manufacturer's instructions, will not adversely affect the performance of vapor recovery systems on which it is installed. Therefore, the Husky V34 6200-8 bootless nozzle is certified to be used with the Hasstech VCP-2/2A vapor recovery systems as specified in Executive Order G-70-7-AD and is subject to the following conditions:

1) The nozzle shall meet all of the requirements of G-70-7-AD. Specifically, it shall be capable of meeting the air-to-liquid (A/L) performance specifications contained in Executive Order G-70-7-AD. A/L testing shall be conducted with all vapor holes on the spout covered. This may be done either by covering the single hole high on the spout and and using a standard A/L adaptor, or by using a special adaptor designed by Husky. If a special A/L adaptor is used, Husky shall provide instructions on how to use the adaptor to conduct A/L testing.

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 when another nozzle is used.

3) Nozzles shall be 100 percent performance checked at the factory, including checks of all shutoff mechanisms and of the integrity of the vapor path. The maximum allowable leak rate for the nozzle shall not exceed the following:

0.038 CFH at a pressure of two inches water column, and
0.005 CFH at a vacuum of forty inches water column.

If any of the following occur, the nozzle shall be immediately removed from service.

a) The nozzle has less than 2 unblocked holes in the spout.

b) The nozzle is not capable of demonstrating compliance with the A/L performance specification as contained in Executive Order G-70-7-AD.

c) The nozzle has a defective vapor valve. If the vapor valve fails in such a way that it does not close properly, all nozzles which are associated with the same collection unit shall also be removed from service for as long as the nozzle with the defective vapor valve remains installed. This is because operation of the collection unit will cause air to be ingested into the system at the defective vapor valve, adversely affecting burner operation and possibly affecting the vapor collection capability of the system. If the defective vapor valve has failed in such a way that the vapor path is closed, this does not apply.

Should you have any questions or need further assistance, please contact Mr. Jorge Fernandez at (916) 445-0383 or Ms. Laura Sullivan McKinney at (916) 327-1525.

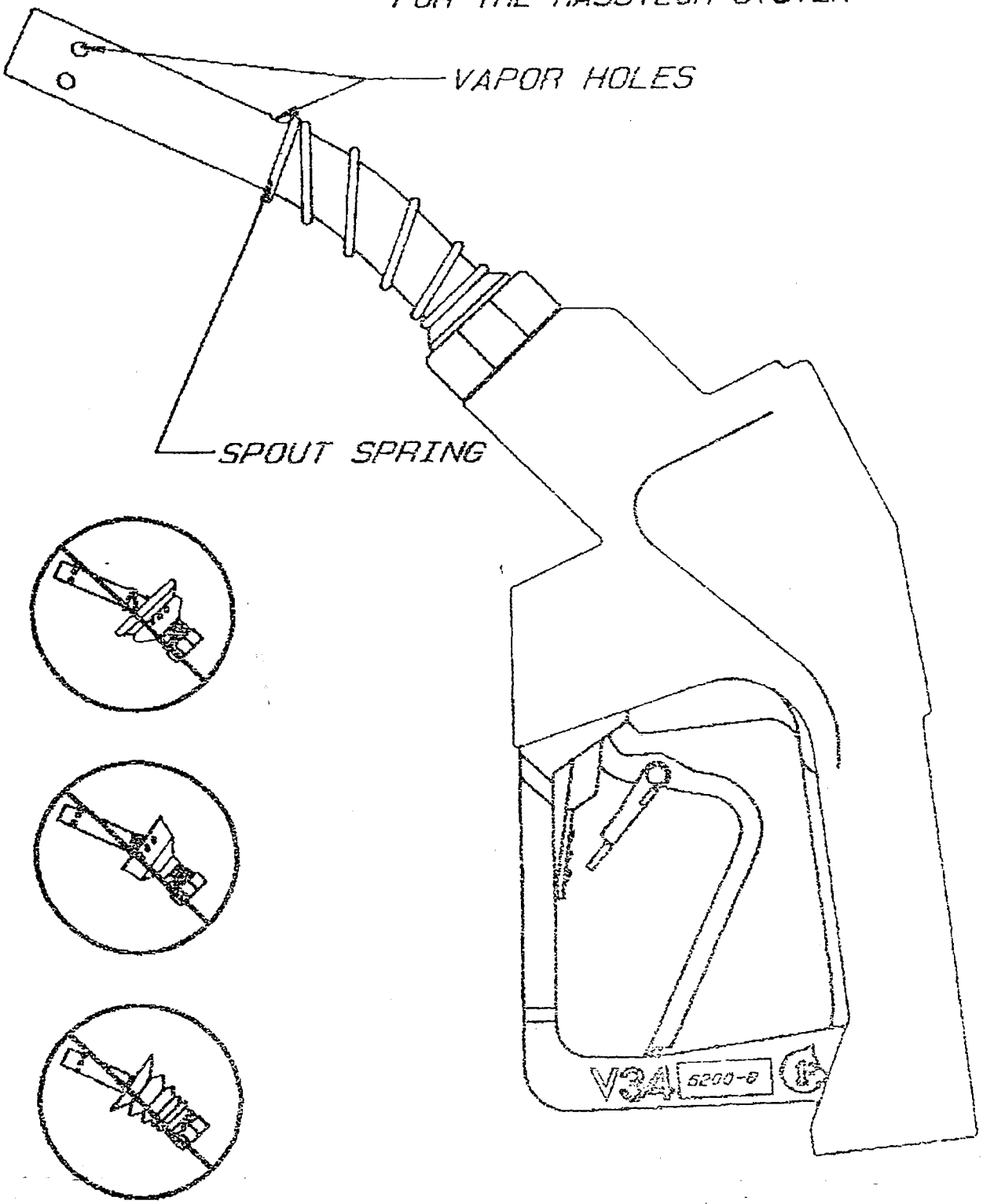
Sincerely,

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. Detlev Hasselmann, Hasstech

HUSKY MODEL V34 6200-8
FOR THE HASSTECH SYSTEM