State of California
AIR RESOURCES BOARD

Executive Order G-70-7-AA

Recertification of the Hasstech Model VCP-2 and VCP-2A
Phase II Vapor Recovery Systems

WHEREAS, the Air Resources Board (the "Board") has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, certification procedures for systems designed for the control of gasoline vapor emissions during motor vehicle fueling operations ("Phase II vapor recovery systems") in its "Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations" as last amended December 4, 1981 (the "Certification Procedures"), incorporated by reference in Section 94001 of Title 17, California Administrative Code;

WHEREAS, the Board has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, test procedures for determining compliance of Phase II vapor recovery systems with emission standards in its "Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Services Stations" as last amended December 4, 1981 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Administrative Code;

WHEREAS, Section V.F. of the Certification Procedures states that whenever additional performance standards or other requirements for certification of Phase II vapor recovery systems are adopted, any system which is certified as of the effective date of the additional standards or requirements, shall remain certified for a period of six months from such date, or until the Executive Officer has determined whether the system conforms to the additional standards or requirements, whichever occurs first;

WHEREAS, the Certification Procedures, as amended on December 4, 1981, contain new performance standards for spillage and spitback losses of gasoline during vehicle fueling;

WHEREAS, Hasstech has applied for certification of the Husky Model HP-2 vapor recovery nozzle for use with the Hasstech Phase II vapor recovery systems;

WHEREAS, the Husky Model HP-2 vapor recovery nozzle has been evaluated when used with the Hasstech Phase II vapor recovery systems pursuant to the Board's Certification Procedures and Test Procedures;

WHEREAS, the Hasstech Models VCP-2 and VCP-2A service station Phase II vapor recovery systems have been evaluated pursuant to the Board's Certification Procedures and Test Procedures;

WHEREAS, Section VIII.A. of the Certification Procedures provides that the Executive Officer shall issue an order of certification if he or she determines that a vapor recovery system conforms to all of the requirements set forth in paragraphs I through VII;

WHEREAS, I find that the Hasstech Models VCP-2 and VCP-2A Phase II vapor recovery systems conform with all the requirements set forth in paragraphs I through VII of the Certification Procedures and are at least 95 percent effective for attendant and/or self-serve use at gasoline service stations when used in conjunction with Phase I vapor recovery systems that have been certified by the Board.

NOW, THEREFORE, IT IS HEREBY ORDERED that the certification, Executive Order G-70-7-D, issued on August 20, 1981 for the Hasstech VCP-2 and VCP-2A Phase II vapor recovery systems is hereby modified to:

1. Include the Husky Model HP-2 vapor recovery nozzle, with a maximum dispensing rate of 10 gallons per minute.

2. Delete Exhibit 3.

3. Require a vapor hose of 1/2 inch or greater inside diameter.

These systems are certified to be at least 95 percent effective in the self-serve and/or attendant use at gasoline service stations when used with Board-certified Phase I vapor recovery systems. These systems are described in Exhibit I. All certified components are listed in Exhibit 2.

IT IS FURTHER ORDERED that compliance with the applicable certification requirements and rules and regulations of the Division of Measurement Standards, the State Fire Marshal's Office, and the Division of Occupational Safety and Health of the Department of Industrial Relations is made a condition of this certification.

IT IS FURTHER ORDERED that the systems certified hereby shall perform in actual use with the same effectiveness as the certification test systems. Compliance with this performance criterion shall be a condition of this certification, and failure to meet this criterion shall constitute grounds for revocation, suspension or modification of this certification.

IT IS FURTHER ORDERED that any alteration of the equipment, parts, design, or operation of the configurations certified hereby, is prohibited, and deemed inconsistent with this certification, unless such alteration has been approved by the undersigned or the Executive Officer's designee.

IT IS FURTHER ORDERED that all nozzles approved for use with these systems shall be 100 percent performance checked at the factory including checks of proper functioning of all automatic shut-off mechanisms.

IT IS FURTHER ORDERED that the certified phase II vapor recovery systems shall, at a minimum, be operated in accordance with the manufacturer's recommended maintenance intervals and shall use the manufacturer's recommended operation, installation, and maintenance procedures, if available.

IT IS FURTHER ORDERED that the certified Phase II vapor recovery system selected for installation shall be performance tested during installation for ability to dispense gasoline and collect vapors without difficulty in the presence of the station manager or other responsible individual. The station manager, owner, or operator shall be provided with instructions on the proper use, maintenance, and repair of the system, and where system components can be readily obtained. A copy of the system warranty shall also be made available to the station manager, owner, or operator.

Executed at Sacramento, California this 3rd day of December, 1982.

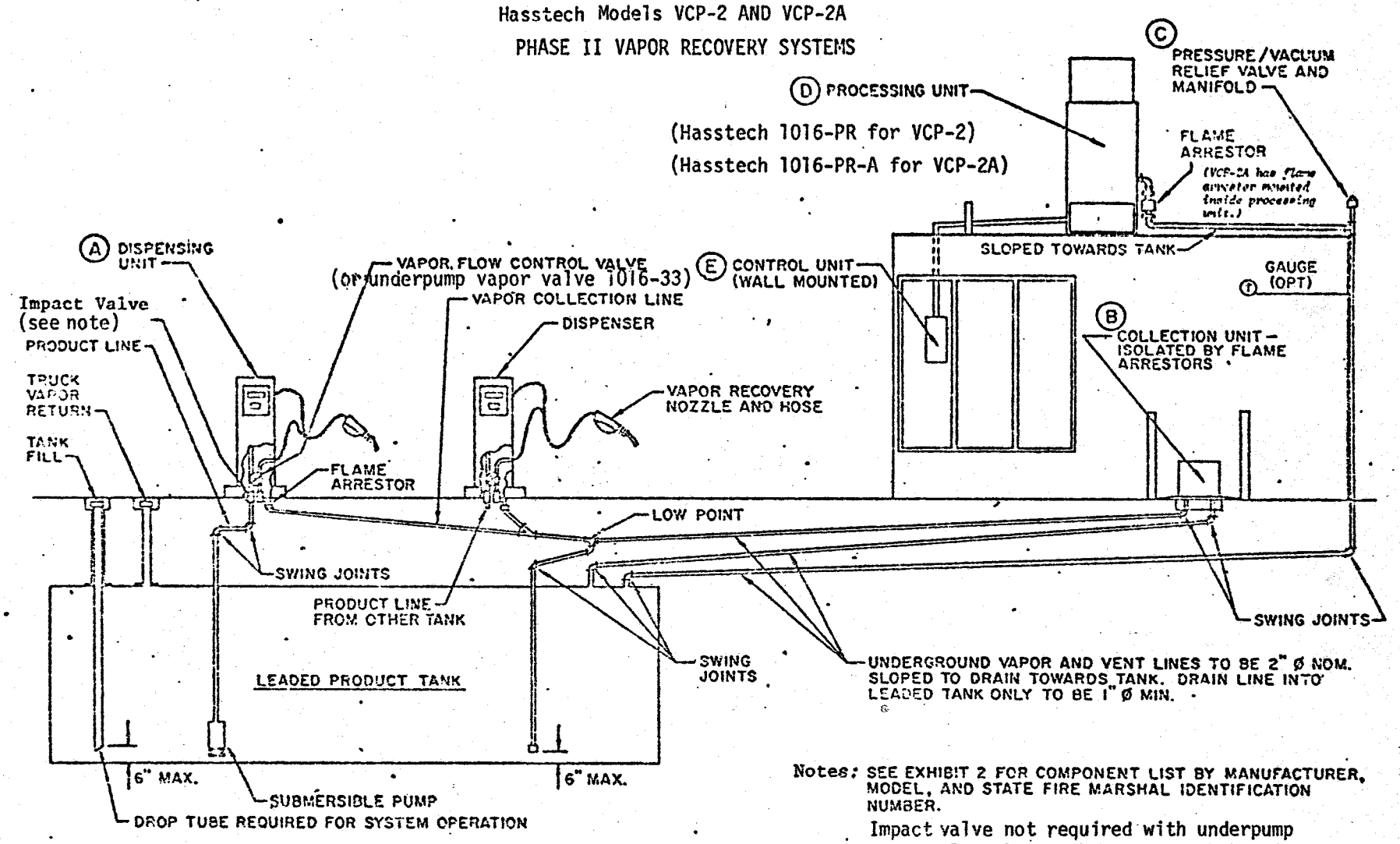
James D. Boyd
Executive Officer

EXHIBIT 1

EXECUTIVE ORDER G-70-7-AA

Hasstech Models VCP-2 AND VCP-2A

PHASE II VAPOR RECOVERY SYSTEMS




Notes: SEE EXHIBIT 2 FOR COMPONENT LIST BY MANUFACTURER, MODEL, AND STATE FIRE MARSHAL IDENTIFICATION NUMBER.

Impact valve not required with underpump vapor valve, Hasstech component 1016-33.

EXHIBIT 2

Executive Order G-70-7-AA

Hasstech Models VCP-2 and VCP-2A

Phase II Vapor Recovery Systems

Component List

| Item | Manufacturer and Model | State Fire Marshal Identification Number | Substitute Equipment | |
|---|---|---|---|---|
| | | | Manufacturer and Model | State Fire Marshal Identification Number |
| A. Dispenser Unit | | | | |
| 1. Nozzle | HP-1 | 1016-1 | Husky HP-2 | 1016-1 |
| 2. Vapor Hose ½ inch or greater I.D. | Hasstech | 1016-2 | | |
| 3. Flow Control Valve | ITT-General Control SF1FE01A101H or SF1FE01A102 | 1016-3 | Hasstech | 1016-33 |
| 4. Impact Valve | A. Y. McDonald 9760176 | 1016-4 | | |
| 5. Flame Arrestor | Hasstech 1025-3/4" | 1016-5 | | |
| 6. Hose Swivels | State Fire Marshal Approved | | | |
| B. Collection Unit | | | | |
| 1. Pump Inlet Flame Arrestor | Protectoseal SP 4951 (1 1/4") | 1016-6 | | |
| 2. Collection Pump | Rotron D313 or D312 | 1016-7 | | |
| 3. Pump Outlet Flame Arrestor | Protectoseal SP 4951 (1 1/4") | 1016-8 | | |
| C. Safety Relief | | | | |
| 1. P/V Valve | Varec 2010-811-2 | 1016-9 | | |
| D. Processing Unit | Hasstech | 1016-PR (for VCP-2) or 1016-PR-A (for VCP-2A) | | |

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Hasstech Models VCP-2 and VCP-2A

Phase II Vapor Recovery Systems
Component List

| Item | Manufacturer and Model | State Fire Marshal Identification Number | Substitute Equipment | |
|---|---|---|---|---|
| | | | Manufacturer and Model | State Fire Marshal Identification Number |
| E. Control Unit | Hasstech | 1016-CP | | |
| F. Optional Components | | | | |
| 1. In-Tank Drain Check | Hasstech 1044 | 1016-31 | | |
| 2. Out-of-Tank Drain Check | Hasstech 1042 | 1016-32 | | |