State of California
AIR RESOURCES BOARD

Executive Order G-70-7-AB

Certification 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 refueling 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, Hasstech has applied for certification of the Hasstech Model HP-11 vapor recovery nozzle for use with the Hasstech Phase II vapor recovery systems;

WHEREAS, the Hasstech Model HP-11 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, 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 Phase II vapor recovery systems, modified to use the Hasstech Model HP-11 vapor recovery nozzle, 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-AA issued on December 3, 1982 for the Hasstech VCP-2 and VCP-2A Phase II vapor recovery systems is hereby modified to include the Hasstech Model HP-11 vapor recovery nozzle. The maximum dispensing rate for the Hasstech Model HP-11 vapor recovery nozzle shall be 12 gallons per minute.

IT IS FURTHER ORDERED that the 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, and the State Fire Marshal's Office 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 22 day of May, 1985.

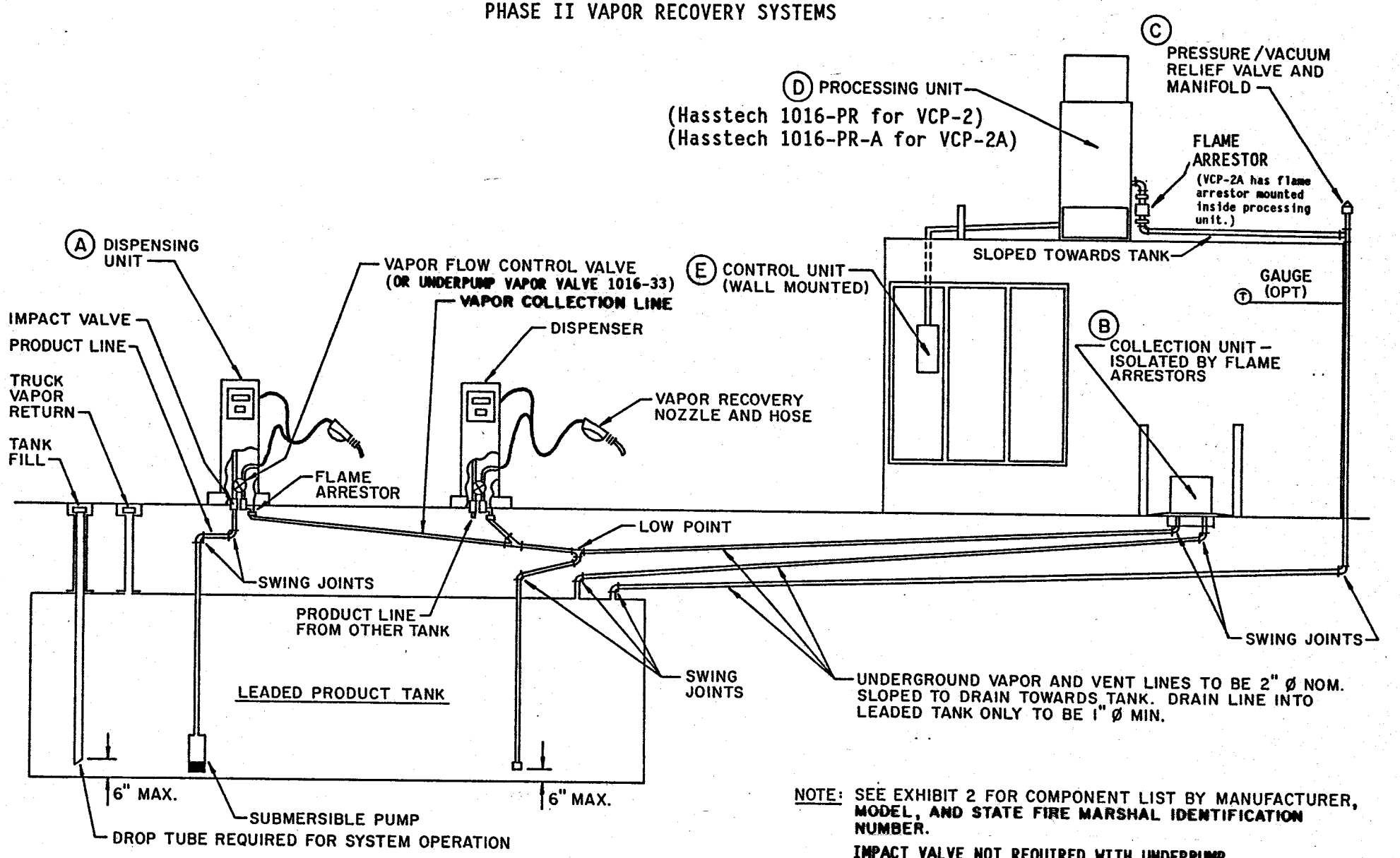
James D. Boyd
Executive Officer

EXHIBIT 1

EXECUTIVE ORDER G-70-7-AB

Hasstech Models VCP-2 and VCP-2A

PHASE II VAPOR RECOVERY SYSTEMS



NOTE: 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-AB

Hasstech Models VCP-2 and VCP-2A
Phase II Vapor Recovery Systems
Components List

Item	Manufacturer and Model	State Fire Marshal Identification Number	Substitute Equipment Manufacturer and Model	Substitute Equipment State Fire Marshal Identification Number
A. Dispenser Unit				
1. Nozzle	HP-1, HP-11	1016-1	Husky HP-2	1016-1
2. Vapor Hose 1/2 inch or Greater I.D.	Hasstech	1016-2		
3. Flow Control Valve	ITT-General Control SF1FE01A101H or SF1FE01A102	1016-3		
4. Impact Valve	A. Y. McDonald 9760176	1016-4	Hasstech	1016-33
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 D 312	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)		

EXHIBIT 2 (Continued)

Executive Order G-70-7-AB

Hasstech Models VCP-2 and VCP-2A
Phase II Vapor Recovery Systems
Components 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		