State of California
AIR RESOURCES BOARD

Executive Order G-70-7-D

Relating to the Modification of the Certification of the Gulf/Hasselmann VCP-2 and VCP-2A Service Station Phase II Vapor Recovery Systems

Pursuant to the authority vested in the Air Resources Board (ARB) by Health and Safety Code Section 41954; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516;

IT IS ORDERED AND RESOLVED: That the certification Executive Order G-70-7-C issued on February 8, 1980 for the Gulf/Hasselmann VCP-2 and VCP-2A service station Phase II vapor collection and disposal systems is hereby modified to include:

1. An alternative spout extension (4 in.) for the nozzle;

2. An alternative bellows/faceplate unit made of polymer compound for the nozzle;

3. An alternative underpump vapor valve; and

4. Transfer of this certification from Gulf Oil Company to Hasstech.

The systems are hereby certified to be at least 95 percent effective in attendant and/or self-service use at service stations in conjunction with Phase I vapor recovery systems which have been certified by the Air Resources Board. The systems are described in Exhibits 1, 2, and 3 attached hereto.

IT IS FURTHER ORDERED AND RESOLVED: 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 Industrial Safety of the Department of Industrial Relations is made a condition of this certification.

IT IS FURTHER ORDERED AND RESOLVED: That the systems certified hereby shall perform in actual use with the same effectiveness as the certification test systems. Compliance with the applicable 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 AND RESOLVED: That any alteration to the equipment, parts, design, or operation of the systems certified hereby, is prohibited, and deemed inconsistent with this certification, unless such alteration has been approved by the undersigned.

Executed at Sacramento, California this 28th day of August, 1981.

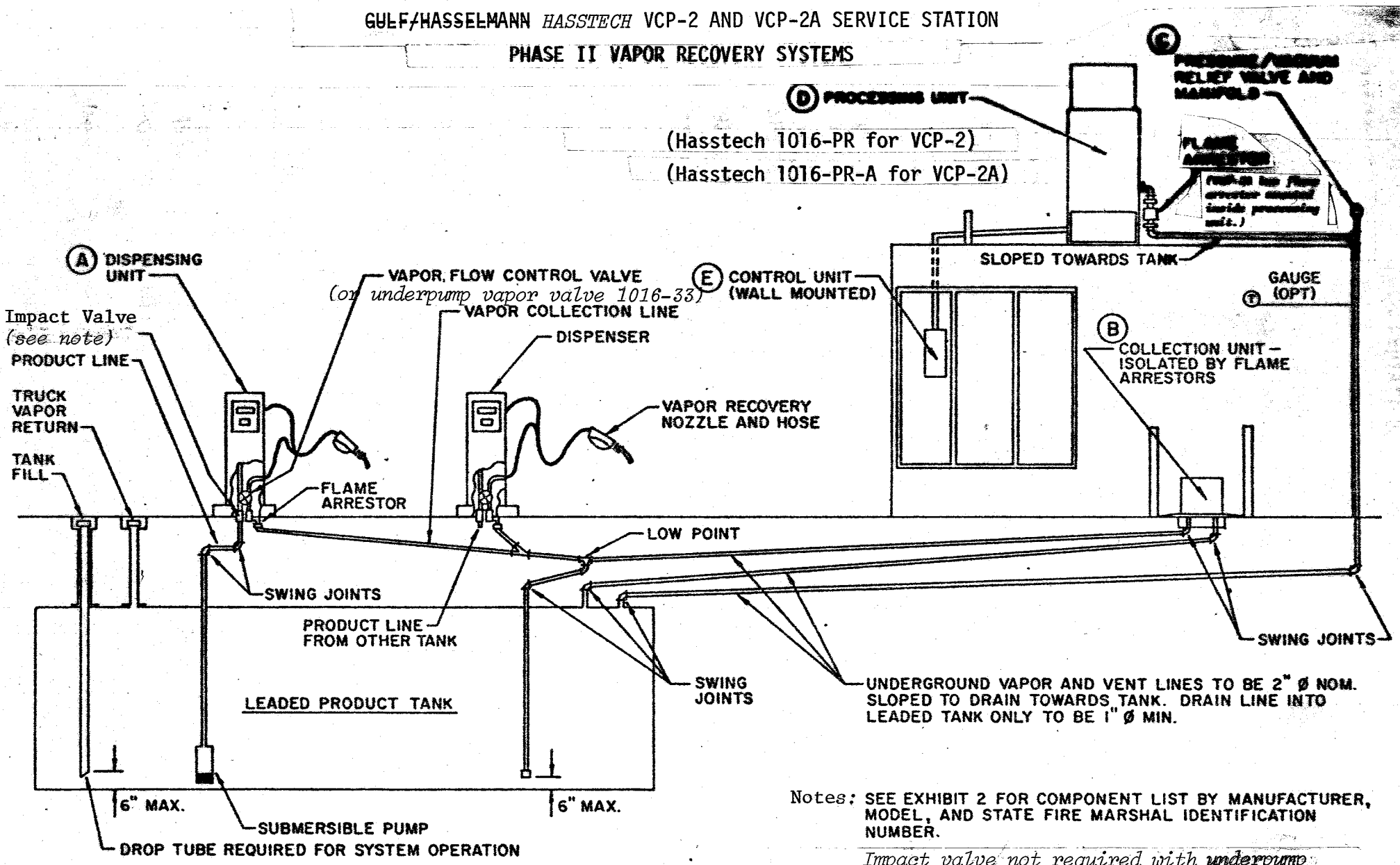
James D. Boyd
Executive Officer

EXHIBIT 1

EXECUTIVE ORDER G-70-7-*D*

GULF/HASSELMANN *HASSTECH* VCP-2 AND VCP-2A SERVICE STATION

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-D

~~Gulf/Hasselmann~~ *Hasstech* VCP-2 and VCP-2A Service Station
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		
2. Vapor Hose	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		
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)		

EXHIBIT 2

Executive Order G-70-7-*D*

~~Gulf/Hasselmann~~ *Hasstech* VCP-2 and VCP-2A Service Station
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	~~Gulf/Hasselmann~~ *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		

Note: Revisions to Executive Order G-70-7-C noted in italics

NOTES:

1. NOZZLE TO MEET REQUIREMENTS OF UNDERWRITERS LABORATORY, INC. STANDARD 842 (1974).
2. REMOVE HOLD OPEN LATCH TRIGGER (ITEM #18) & TRIGGER SPRING (ITEM #19) FOR SELF-SERVICE, *IF REQUIRED*
3. CENTERLINE DISTANCE BETWEEN FACEPLATE (ITEM #13) AND NOZZLE TIP MUST ~~BE 3-1/4 INCHES.~~ *NOT EXCEED 4 INCHES.*
4. WHEN INSTALLED, LATCH SPRING (ITEM #8) LATCH POINT SHALL NOT EXTEND BEYOND 1/4" FROM FACEPLATE.
5. (ALTERNATE) FOR LEADED NOZZLES THIS DIMENSION MAY BE 2 INCHES.

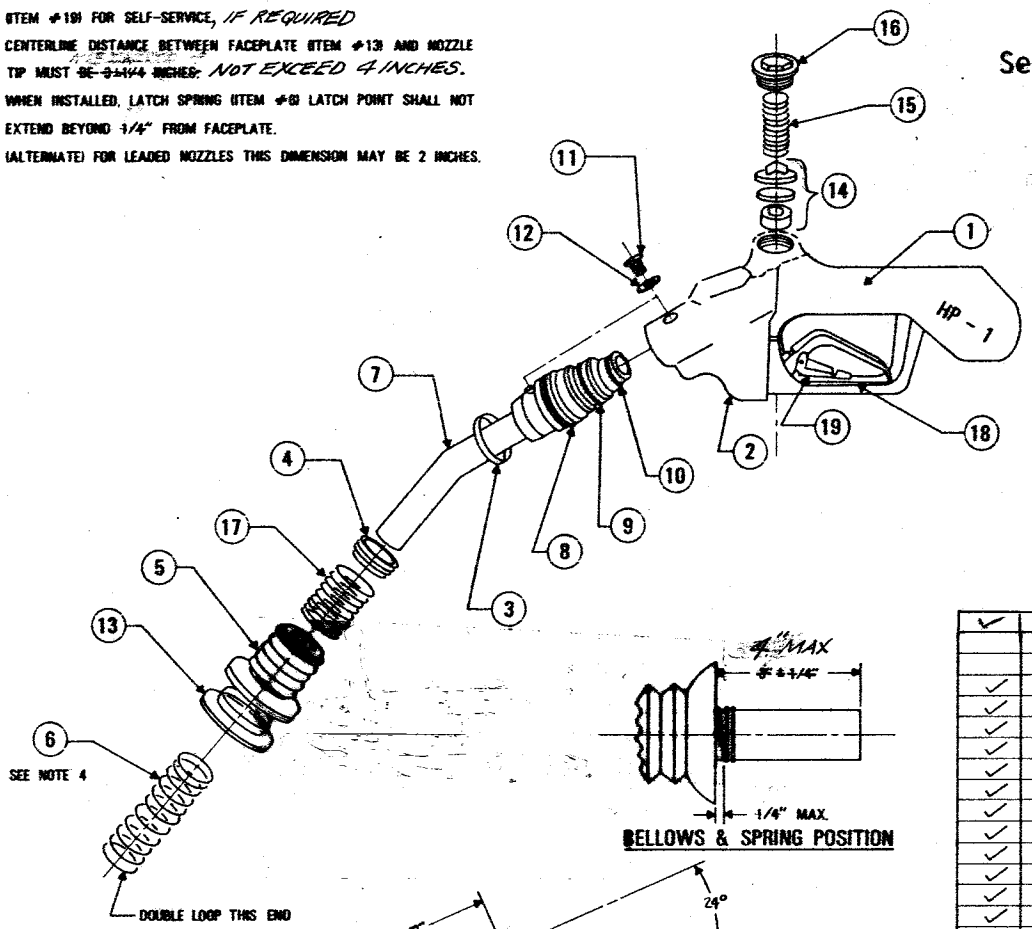
Exhibit 3

Executive Order G-70-7-*D*

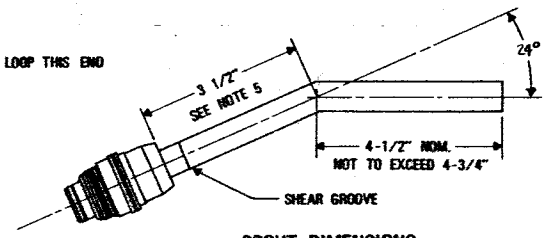
~~Gulf/Hasselmann~~ *Hasstech* VCP-2 and VCP-2A

Service Station Phase II Vapor Recovery Systems

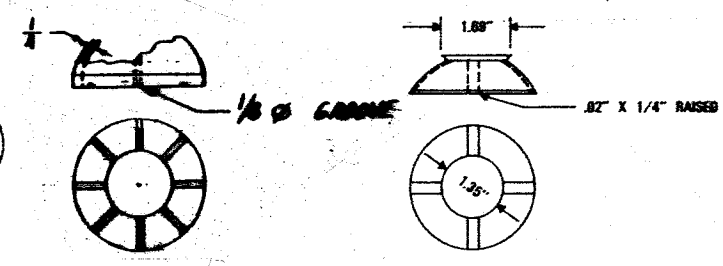
Nozzle Configuration



BELLOWS & SPRING POSITION



SPOUT DIMENSIONS



~~FACEPLATE~~
~~ITEM: 13 - 1~~
~~ALTERNATE~~
BELLOWS
ITEM 5C

FACEPLATE
ITEM: 13 - 3
~~MAT'L: AL-ALLOY~~
(ALTERNATE)

ML	L	ITEM		LIST OF PARTS (NAME)
✓	✓	*5C*		*BELLOWS*
	✓	7C	5/16" Ø X 6 1/2"L	SPOUT (ALTERNATE FOR LEAD ONLY)
	✓	5B	3-1/2" L	BELLOWS (USE ONLY WITH ITEM 7C)
✓	✓	19		TRIGGER SPRING
✓	✓	18		LATCH TRIGGER
✓	✓	17		SPRING *(USE ONLY WITH 5A & 5B)*
✓	✓	16		MAIN POPPET CAP
✓	✓	15		SPRING
✓	✓	14		POPPET SUB ASSEMBLY
✓	✓	13		FACEPLATE *(USE ONLY WITH 5A & 5B)*
✓	✓	12		GASKET
✓	✓	11		SCREW
✓	✓	10		O-RING
✓	✓	9		O-RING
✓	✓	8		O-RING
✓		7B	13/16" Ø X 8"L	SPOUT
	✓	7A	15/16" Ø X 8"L	SPOUT
✓		6B	13/16" Ø	LATCH SPRING
	✓	6A	15/16" Ø	LATCH SPRING
✓	✓	5A	5" L	BELLOWS
✓	✓	4		SPRING LOCATOR *(USE ONLY WITH 17)*
✓	✓	3		CLAMP
✓	✓	2		SCUFF GUARD
✓	✓	1		BODY