State of California

AIR RESOURCES BOARD

Executive Order G-70-7-B

Relating to the Modification of the Certification of the Gulf/Hasselmann VCP-2 Service Station, Phase II Vapor Recovery System

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-A issued on November 16, 1977 for the Gulf/Hasselmann VCP-2 service station Phase II vapor collection and disposal system is hereby modified

1. to require nozzle bellows and latch spring configurations as described in Exhibit 3;

2. to add certain alternate components and optional drain checks to the component list; and

3. to simplify the component list.

The system hereby modified is 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 system is 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 system certified hereby shall perform in actual use with the same effectiveness as the certification test system. 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 system certified hereby, is prohibited, and deemed inconsistent with this certification, unless such alteration has been approved by the undersigned.

Executed at Sacramento, California the 6th day of August, 1979.

Thomas C. Austin

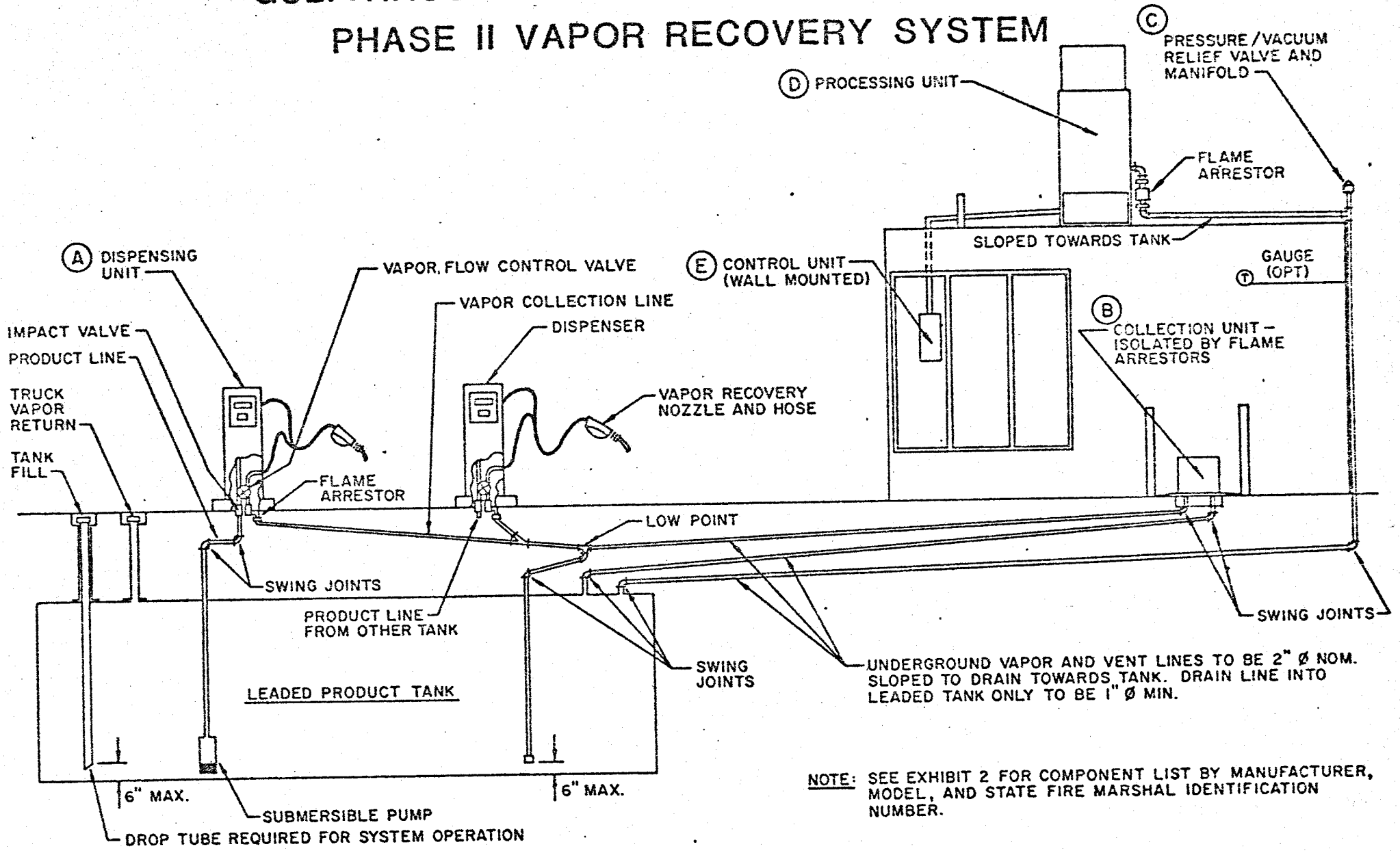
Thomas C. Austin
Executive Officer

EXHIBIT 1

EXECUTIVE ORDER G-70-7-B

GULF/HASSELMANN VCP-2 SERVICE STATION

PHASE II VAPOR RECOVERY SYSTEM



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

EXHIBIT 2

Executive Order G-70-7-B

Gulf Hasselmann VCP-2 Service Station

Phase II Vapor Recovery System

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	~~A/C (green stripe)~~ CV-300 *Hasstech*	1016-2		
3. Flow Control Valve	ITT-General Control SF1FE01A101H *or* *SF1FE01A102*	1016-3		
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. Motor~~	~~General Electric 5KG37PG932X~~	~~1016-7~~		
~~3~~4. 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*		
~~1. Inlet Flame Arrestor~~	~~Protectoseal 4951~~	~~1016-10~~		
~~2. Low Pressure Switch~~	~~Dwyer 26-160963-00~~	~~1016-11~~		
~~3. High Pressure Switch~~	~~Dwyer 26-160963-00~~	~~1016-12~~		
~~4. Main Solenoid Valve~~	~~ITT General Controls S341Z1001~~	~~1016-13~~		

EXHIBIT 2

Executive Order G-70-7-B

Gulf/Hasselmann VCP-2 Service Station
Phase II Vapor Recovery System
Component List

Item	Manufacturer and Model	State Fire Marshal Identification Number	Substitute Equipment	
			Manufacturer and Model	State Fire Marshal Identification Number
D. Processing Unit cont.				
~~5. Low Pressure Regulator~~	~~ITT-General Controls V300E304~~	~~1016-14~~		
~~6. Low Burner Flame Arrestor~~	~~Hasstech 1025 1/2~~	~~1016-15~~		
~~7. Low Burner~~	~~Hasstech 1018-4~~	~~1016-16~~		
~~8. High Burner Solenoid Valve~~	~~ITT-General Controls S341Z1001~~	~~1016-17~~		
~~9. High Pressure Regulator~~	~~ITT-General Controls V300 E415~~	~~1016-18~~		
~~10. High Burner Flame Arrestor~~	~~Hasstech 1025 - 3/4~~	~~1016-19~~		
~~11. High Burner~~	~~Hasstech 1018-3~~	~~1016-20~~		
~~12. Ignition Transformer~~	~~Webster Electric 612-6A7~~	~~1016-28~~		
~~13. Ignitor~~	~~Hasstech 1019~~	~~1016-29~~		
~~14. Flame Sensor Processing Unit~~	~~Hasstech 1019~~	~~1016-30~~		
~~15. Housing~~	~~Hasstech~~	~~1016-PR~~		
E. Control Unit	*Gulf/Hasselmann*	*1016-CP*		
~~1. Circuit Breaker~~	~~15A-115V-60HZ~~	~~1016-21~~		
~~2. Pump Relay~~	~~Controlux WG 99000 AX-2 (25A-115V-60HZ) (or equivalent)~~	~~1016-22~~		
~~3. Fuse~~	~~Buss AGC-3 (5A-115V-60HZ) (or equivalent)~~	~~1016-23~~		

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Gulf/Hasselmann VCP-2 Service Station
Phase II Vapor Recovery System
Component List

Item	Manufacturer and Model	State Fire Marshal Identification Number	Substitute Equipment	
			Manufacturer and Model	State Fire Marshal Identification Number
. Control Unit cont.				
~~4. Flame Supervisory Control~~	~~Honeywell RA890-1569 or equivalent~~	~~1016-24~~		
~~5. Status Light~~	~~(15W-115V-60HZ)~~	~~1016-25~~		
~~6. Horn~~	~~(5W-115-60HZ)~~	~~1016-26~~		
~~7. Timer~~	~~Minarik 2-C-60S~~	~~1016-27~~		
~~a. Switches~~	~~Unimax 2HBT, 293-5~~			
~~b. Motor~~	~~Bristol 447~~			
~~8. Control Panel Housing~~	~~Hasstech~~	~~1016-CP~~		
. 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-A 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.
3. CENTERLINE DISTANCE BETWEEN FACEPLATE (ITEM #13) AND NOZZLE TIP MUST BE 3±1/4 INCHES.
4. WHEN INSTALLED, LATCH SPRING (ITEM #9) LATCH POINT SHALL NOT EXTEND BEYOND 1/4" FROM FACEPLATE.
5. (ALTERNATE) FOR LEADED NOZZLES THIS DIMENSION MAY BE 2 INCHES.

Exhibit 3

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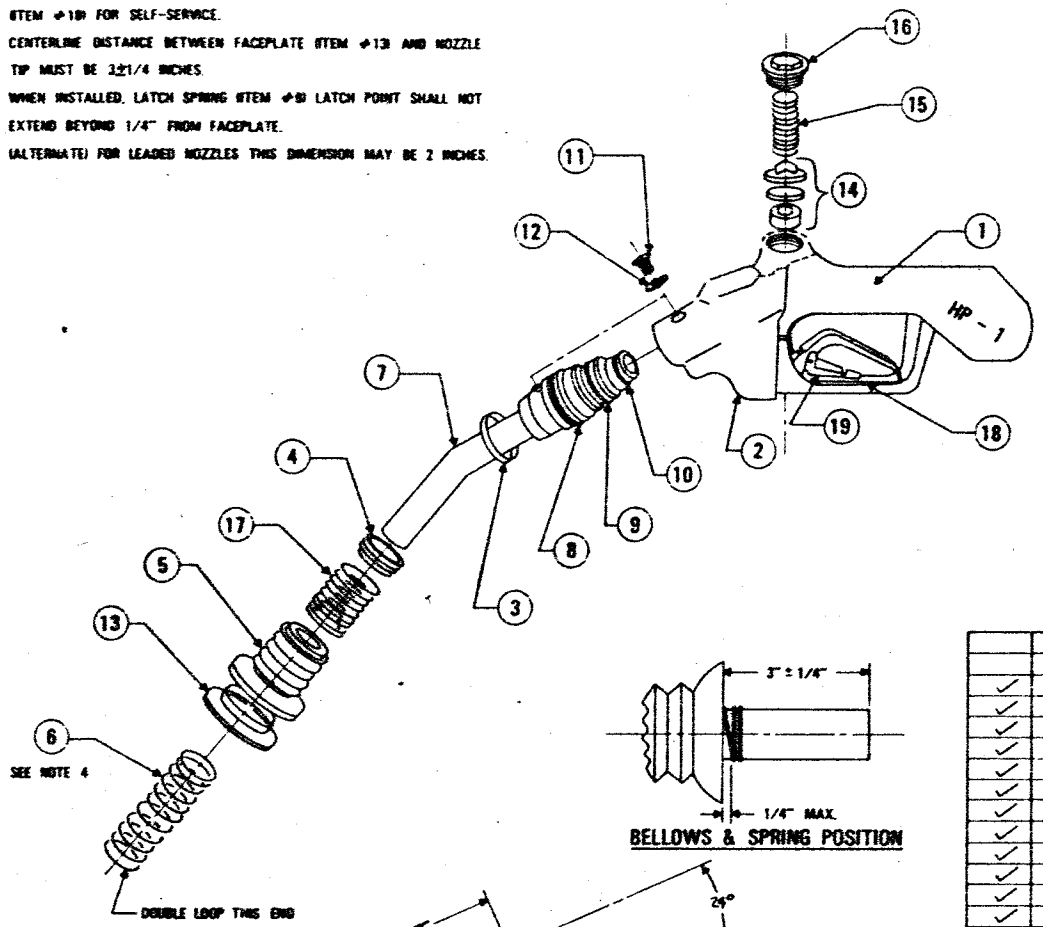
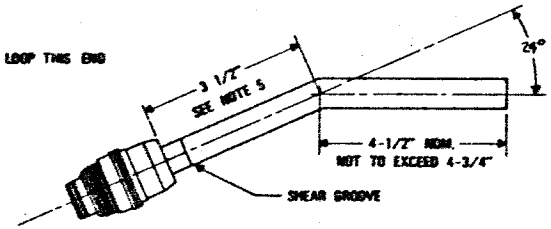
GULF/HASSELMANN VCP - 2

SERVICE STATION PHASE II VAPOR RECOVERY SYSTEM

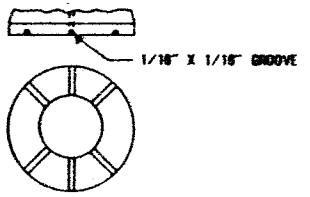
NOZZLE CONFIGURATION



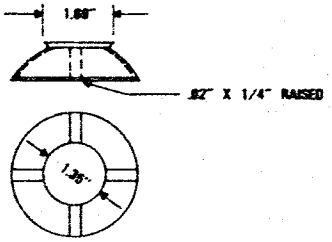
BELLOWS & SPRING POSITION



SPOUT DIMENSIONS



FACEPLATE
ITEM: 13 - 1
ALTERNATE



FACEPLATE
ITEM: 13 - 3
MAT'L: AL-ALLOY

NL	L	ITEM		LIST OF PARTS (NAME)
	✓	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
✓	✓	16		MAIN POPPET CAP
✓	✓	15		SPRING
✓	✓	14		POPPET SUB ASSEMBLY
✓	✓	13		FACEPLATE
✓	✓	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
✓	✓	3		CLAMP
✓	✓	2		SCUFF GUARD
✓	✓	1		BODY