State of California

AIR RESOURCES BOARD

Executive Order G-70-14-C

Relating to the Modification of the Certification of the
Red Jacket Aspirator Assist 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 issued on September 27, 1978, for the Red Jacket aspirator assist, Phase II vapor collection and disposal system licensed to and marketed by Wylain, Incorporated, Red Jacket Pumps Division, is hereby modified to allow installation of manifolded 2 inch vent pipes on systems required to meet a 95 percent efficiency standard. The certification is further modified to allow installation of manifolded or non-manifolded vent pipes on systems required to meet a 90 percent efficiency standard, to allow adjusting the length of each vapor return hose according to dispenser island width, to require selection of product hose length to provide for full extension of the vapor return hose, and to require installation of State Fire Marshal approved hose swivels with minimum inside diameter of 0.495 inches to prevent kinking of vapor hoses. The system hereby modified is certified to be at least 95 percent effective with manifolded vents and at least 90 percent effective with non-manifolded vents for attendant and/or self-serve use at gasoline 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 and 2 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 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 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.

IT IS FURTHER ORDERED AND RESOLVED: That in order for vapor return hoses longer than specified in this certification to be used, the system shall incorporate a liquid blockage detector which is acceptable to the undersigned.

Executed at Sacramento, California, this 29th day of December, 1978.

Thomas C. Austin
Executive Officer

EXHIBIT 1

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Red Jacket Aspirator Assist Service Station
Phase II Vapor Recovery System

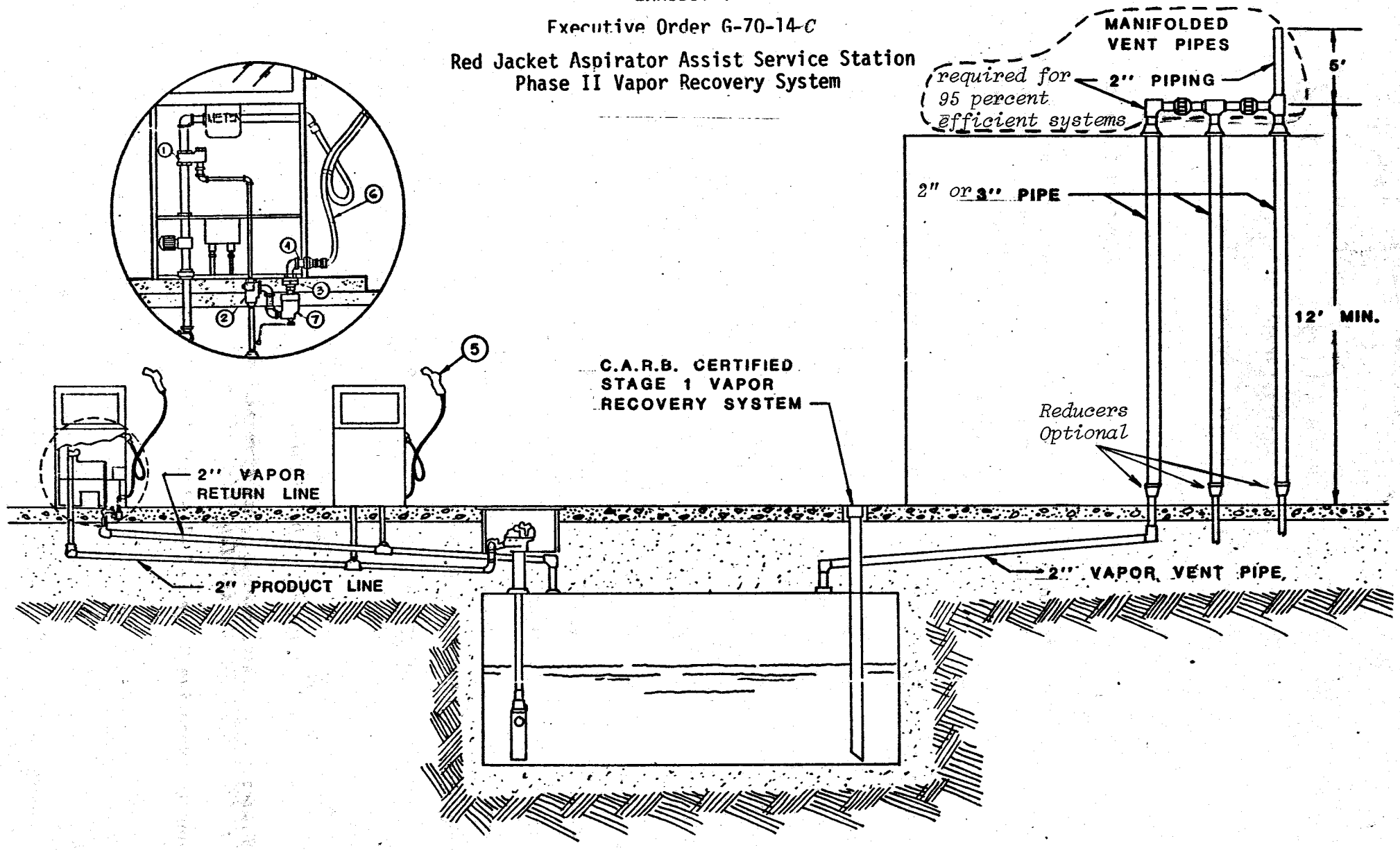

EXHIBIT 2

Executive Order G-70-14-*C*

Red Jacket Aspirator Assist Service Station

Phase II Vapor Recovery System

Component List

Item	Manufacturer and Model	State Fire Marshal Identification Number	Substitute Equipment: Manufacturer and Model	Substitute Equipment: State Fire Marshal Identification Number
1. Modulating Valve	Red Jacket 188 - 185	GVRC002:001:1		
2. Aspirator, without fluid by-pass tubing	Red Jacket 104 - 016	GVRC002:001:2		
3. Vapor Check Valve	Red Jacket 188 - 184	GVRC002:001:3		
4. Vapor Screen	Red Jacket 176 - 032	GVRC002:001:4		
5. Nozzle, unleaded	OPW-7VE-49	GVRC-002:008:17		
Nozzle, leaded	OPW-7VE-36	GVRC-002:008:15		
Nozzle, unleaded	OPW-7VE-47	GVRC-002:008:16		
Nozzle, leaded	OPW-7VE-34	GVRC-002:008:14		
6. Vapor Return Hose	5/8 in. I.D. by 8 ft.			
7. Recirculation Trap	OPW-78	GVRC-002:008:12		
8. *Swivels*				
Vapor Hose	*State Fire Marshal Approved. 0.495 in. I.D. Minimum*			

Note: Revisions to Executive Order G-70-14-B noted in italics

Notes to Accompany Exhibits 1 and 2

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1. One-inch or larger branch lines connecting to a two-inch return pipe are required.
2. Each vapor hose shall be located such that the center line of the hose fitting, ~~at the recirculation trap~~ *at the swivel mounting at the dispenser housing,* is not more than 3-1/2 inches above the top surface of the island, and is as close to the surface of the island as possible.
3. *For dispenser islands greater than 5 feet in width, each vapor hose length shall not be longer than the sum of one-half the dispenser island width, in feet, plus 6 feet.*
4. *Product hoses one foot or more longer than the vapor hose shall be installed at each dispenser to provide for full extension of the vapor return hose.*
5. *State Fire Marshal approved swivels (and offsets if necessary) for this system shall be selected and installed on hoses to prevent hose kinking.*