



Terry Tamminen
Agency Secretary

Air Resources Board

Alan C. Lloyd, Ph.D.
Chairman

1001 I Street • P.O. Box 2815
Sacramento, California 95812 • www.arb.ca.gov



Arnold Schwarzenegger
Governor

November 18, 2003

03-11

Mr. Jim Reinhardt
Director of Engineering
Dresser Wayne, Dresser Inc.
3814 Jarrett Way
Austin, Texas 78728

Dear Mr. Reinhardt:

Thank you for your letter requesting California Air Resources Board (ARB) approval of an extended hose length option to the "Ovation" series multi-product fuel dispenser equipped with "balance style" vapor return piping, as shown in Figure 1. The Ovation dispenser was approved by ARB, reference approval letter number 02-15. Dresser Wayne (Wayne) also requested approval for the "Curly-Q" hose configuration which maintains the balance hose on the same side as the product outlet, as shown in Figure 2.

The July 1, 2003, Certification Procedure for Vapor Recovery Systems (CP-201) allows a maximum dynamic pressure drop of 0.35 inches of water column at 60 cubic feet per hour (CFH) from nozzle to underground storage tank (UST) through a balance system. A balance style Ovation series chassis dispenser was equipped with numerous hoses, breakaways, and extended length whip hoses. The overall average back pressure at 60 CFH was measured to be less than 0.35 inches of water column for extended hose length and curly-q configurations.

Based on testing conducted by ARB staff and information provided by Wayne, we find the use of the extended hose length and curly-q configurations on the Ovation Series fuel dispenser, when installed in accordance with the manufacturer's recommended instructions, will not adversely affect the vapor recovery systems on which they are installed. Therefore, the extended hose length and curly-q configuration, not to exceed an overall length of 14 feet from hose outlet to nozzle, on the Ovation Series fuel dispenser is approved for use with the currently certified (pre-EVR) balance vapor recovery systems.

The following table lists the hoses, breakaways, and whip hoses that are allowed to be used with the Wayne Ovation Series fuel dispenser in the extended hose length and curly-q configuration.

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Website: <http://www.arb.ca.gov>.

California Environmental Protection Agency

Mr. Jim Reinhardt
November 18, 2003
Page 2

Hardware Type	Description
Primary Hose	Goodyear Premier Dayco Petroflex 2000 HBD Thermoid Superlite QV HBD Thermoid Superlite V
Whip Hose	Goodyear Premier, 5 ft. Dayco Petroflex 2000, 5 ft. Thermoid Superlite Q, 5 ft. Thermoid Superlite, 5 ft.
Breakaway	Husky 3360VR OPW 66-CLP

If you have questions or need further information, please contact Oscar Lopez at (916) 323-1161 or via email at olopez@arb.ca.gov.

Sincerely,



William V. Loscutt, Chief
Monitoring and Laboratory Division

cc: Mr. Lou Roberto
South Coast Air Quality Management District

Mr. John Schroeder
San Joaquin Valley Unified Air Pollution Control District

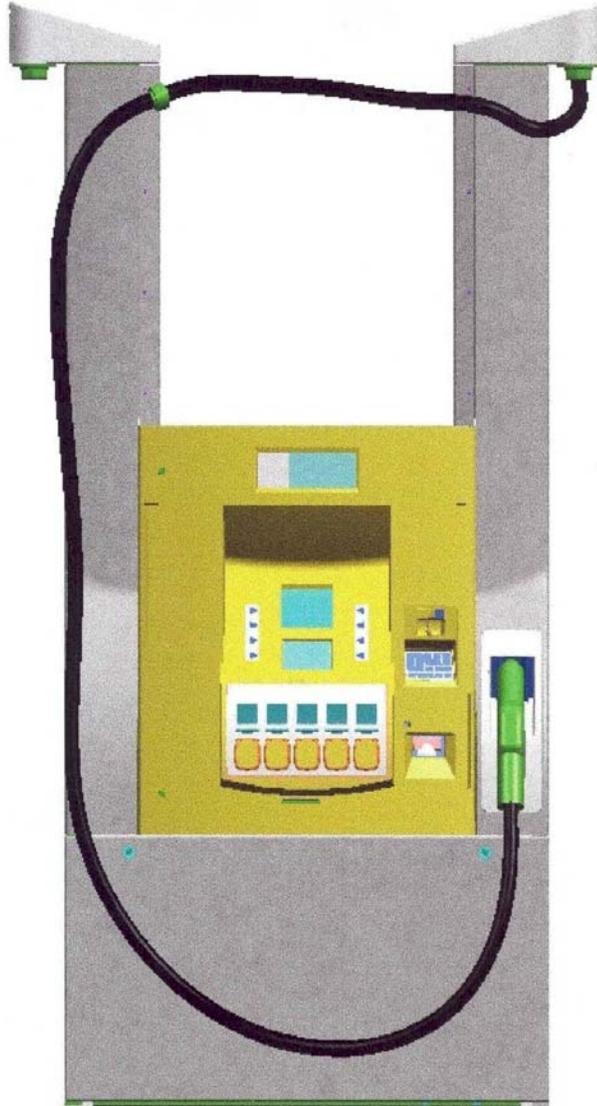


Figure 1
Extended Hose Length
Configuration



Figure 2
Curly-Q Extended Hose
Length Configuration