



Winston H. Hickox
Agency Secretary

Air Resources Board

Alan C. Lloyd, Ph.D.
Chairman

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Gray Davis
Governor

March 11, 2002

#02-04

Mr. Mike Gallo
Manager, Regulatory Engineering
Dresser Wayne, Dresser Inc.
Corridor Park 1
3814 Jarrett Way
Austin, Texas 78728

Dear Mr. Gallo:

Thank you for requesting California Air Resources Board (CARB) approval of a newly designed "Harmony Series" multi product fuel dispenser. The Harmony series dispenser features a single hose per side configuration and is unique in appearance due to its semi-circular shape and wrap around design. A vacuum assisted version of the Harmony Series dispenser (featuring the "Wayne Vac" vapor recovery system) was certified by CARB via approval letter dated November 14, 2000. The new design features balance style vapor recovery piping with a one-inch internal diameter down tube and is intended for use on balance style vapor recovery systems.

For balance systems, the July 25, 2001, Certification Procedure for Vapor Recovery Systems (CP-201), allows a maximum dynamic pressure drop of 0.08 inches of water column at 60 cubic feet per hour (cfh) for vapor return piping located within a dispenser. Prior to the issuance of this approval letter, CARB conducted bench testing of a balance style Harmony prototype dispenser provided by Wayne. The objective of the testing was to evaluate the pressure drop across the vapor return piping and to ensure nozzle compatibility with the dispenser's nozzle assembly. Based on our testing, we find the use of the Harmony Series balance style vapor recovery dispenser, when installed in accordance with the manufactures recommended instructions, will not adversely affect the vapor recovery systems on which they are installed.

As required by California State Law (H&SC Section 41955), the approval of three State agencies are a precondition to certification by CARB. The appropriate letters of approval have been received and are listed as follows:

1. Department of Food and Agriculture
Division of Measurement Standards
February 7, 2002

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>.

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2. Department of Industrial Relations
Division of Occupational Safety and Health
December 28, 2001
3. Department of Forestry and Fire Protection
Office of the State Fire Marshall
February 14, 2002

Based on our testing and approvals by the three state agencies, the balance system configuration of the Harmony Series fuel dispenser is approved.

If you have questions or need further information, please contact Lou Dinkler at (916) 445-9335 or via email at ldinkler@arb.ca.gov or Laura McKinney at (916) 327-0900 or via email at lmckinne@arb.ca.gov.

Sincerely,

William V. Loscutoff, Chief
Monitoring and Laboratory Division

cc: Rosa Salcedo, San Diego County Air Pollution Control District