Air Resources Board

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

Linda S. Adams
Acting Secretary for Environmental Protection

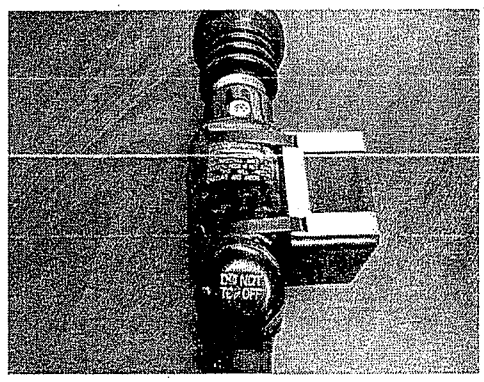
Edmund G. Brown Jr.
Governor

February 8, 2011 # 10-05

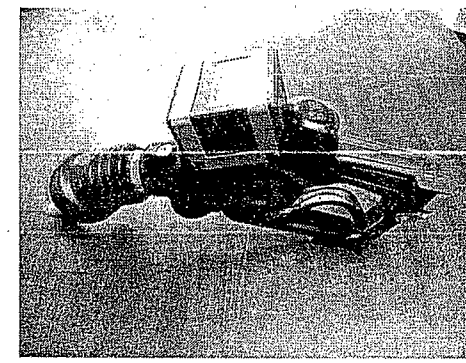
Mr. Paul Witt
E.J. Ward, Inc.
8801 Tradeway Street
San Antonio, Texas 78217-0888

Dear Mr. Witt:

Thank you for your email dated September 24, 2010, requesting approval of the installation of E.J. Ward, Inc. RF Hose Module (HM), part # RF Hose Mod for the nozzle applications shown in Table 1.



Side Mount



Top Mount

The HM collects vehicle information for fleet applications and allows only vehicles with corresponding hardware to refuel. The HM is a self contained wireless system that attaches to the top or side of the nozzle and communicates by radio frequency with a microprocessor installed in a vehicle fuel pipe (see above figures). This communication allows fuel to be dispensed only to vehicles with a compatible microprocessor and tracks various engine and vehicle data.

Air Resources Board (ARB) staff has reviewed all information and has completed a visual inspection. ARB staff verified through an engineering evaluation that side mount installation of the HM on the VST-EVR-NB Balance Phase II Vapor Recovery Nozzle and Emco Wheaton A4005EVR Vapor Recovery nozzle does not interfere with the nozzle boot or dispenser when hung or while fueling a vehicle. However, the HM is not approved to be mounted on the left side of the Healy 900 or 400 Phase II Vapor

Recovery Nozzle as it would block the vapor adjustment screw and breather hole located underneath the scuff guard.

ARB staff finds that the HM will not adversely affect the vapor recovery system when the HM is installed in accordance with E.J. Ward, Inc. recommended instructions. Therefore, the HM is approved for use on the Vapor Recovery nozzles listed in Table 1. In addition, ARB has received approvals of the HM from the Department of Food and Agriculture, Division of Measurement Standards, Department of Industrial Relations, Division of Occupational Safety and Health, Department of Forestry and Fire Protection and State Water Resources Control Board.

Table 1

VAPOR RECOVERY NOZZLES	Corresponding Executive Orders
Healy Model 400*	G-70-186
Healy Model 900*	VR-201, VR-202
VST Model VST-EVR-NB	VR-203, VR204
Emco Wheaton A4005EVR	VR-207, VR-208

* HM is not approved for left side mounting of Healy 900 and 400 nozzles.

If you have questions or need further information, please contact Mr. Vince Bunac at (916) 324-7420 or via email at vbunac@arb.ca.gov, or Mr. Lou Dinkler at (916) 324-9487 or via email at ldinkler@arb.ca.gov.

Sincerely,

Cynthia L. Castionovo for

Alberto Ayala, Ph.D., M.S.E.
Chief, Monitoring and Laboratory Division

cc: See next page