



**Terry Tamminen**  
Agency Secretary

# Air Resources Board

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**Alan C. Lloyd, Ph.D.**  
Chairman

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**Arnold Schwarzenegger**  
Governor

February 17, 2004

#04-02

Mr. Tom Daly  
Regional Manager  
Syn-Tech Systems, Inc.  
3700 Dubac Way  
Sacramento, California 95864

Dear Mr. Daly:

Thank you for requesting California Air Resources Board (ARB) approval of the Syn-Tech Systems, Inc. RF/ID Tag part number 941B0218 (RF/ID Tag) for use with OPW 11VF-47, OPW 11VF-47/R, and Emco-Wheaton 4000 series Balance Nozzle Phase II Vapor Recovery System. The RF/ID Tag collects vehicle information for fleet applications and allows only vehicles with corresponding hardware the ability to refuel. The RF/ID Tag installed on an OPW 11VF-47, OPW 11VF-47/R, and Emco Wheaton 4000 series Balance Nozzle Phase II Vapor Recovery System is a self-contained wireless system that transmits information from vehicle to dispenser through the use of radio frequency. The communication allows fuel to be dispensed to the proper vehicles with compatible hardware to track various engine data.

ARB staff has reviewed all information submitted and has completed a minimum 30-day test of the RF/ID Tag installed on an OPW 11VF-47, OPW 11VF-47/R, and Emco-Wheaton 4000 series Balance Nozzle Phase II Vapor Recovery System. Testing was conducted at Travis Air Force Base, California. ARB staff has evaluated the RF/ID Tag to verify that it does not interfere with the nozzle boot or the dispenser when hung and when fueling a vehicle. Based on our evaluation, we find the use of the RF/ID Tag mounted on the OPW 11VF-47, OPW 11VF-47/R, and Emco-Wheaton 4000 series Balance Nozzle Phase II Vapor Recovery System, when installed in accordance with the manufacturer recommended instructions, will not adversely affect the vapor recovery systems.

Based on our conclusion and approvals by the Department of Food and Agriculture, Division of Measurement Standards; Department of Industrial Relations, Division of Occupational Safety and Health; and Department of Forestry and Fire Protection, Office of the State Fire Marshal, the RF/ID Tag is approved for use on the OPW 11VF-47, OPW 11VF-47/R, and Emco-Wheaton 4000 series Balance Nozzle Phase II Vapor Recovery System.

*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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California Environmental Protection Agency