Air Resources Board

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Chairman
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Winston H. Hickox
Secretary for Environmental Protection

Gray Davis
Governor

March 18, 1999

Mr. David Harris, President
E. F. Gauge Company
2905 SE 162nd Pl Road
Summerfield, Florida 34492

Dear Mr. Harris: #AGT 99-01

Air Resources Board Approval of Model 5000 Solar Fuel Gauge

In response to your telephone request and subsequent facsimile dated February 22, 1999 in which you requested California Air Resources Board (CARB) approval of the subject gauge for use on aboveground storage tank vapor recovery systems, Carb staff conduced a review of the equipment and determined that the gauge could be used on aboveground storage tanks without adversely affecting the vapor recovery system when properly installed.

The Model 5000 Solar Fuel Gauge is manufactured by I. T. M. Electronics, Incorporated in Greenleaf, Idaho. The unit is solar powered and intrinsically safe. Measurement of the liquid level in the tank is based on the position of displacement tube(s) lowered into the liquid and is determined through electronic coupling with the gauge; there is no vapor path between the gauge and the displacement tube.

There are no moving parts external to the storage tank and installation of the gauge will not affect either the Phase I or Phase II efficiency of the aboveground tank system other then normal sealing of external tank components during installation. Additionally, the gauge is not a part of the vapor recovery system and may not be certified but should be approved for use on aboveground tank systems.

I find that the use of the Model 5000 Solar Fuel Gauge, when properly installed to be vapor tight, will not adversely affect the performance of vapor recovery systems on aboveground tanks on which they are installed. Therefore, the E. F. Gauge Model 5000 Solar Fuel Gauge is approved for use with CARB certified Phase I (and Phase II) aboveground storage tank systems.

Sincerely,

James J. Morgester, Chief
Compliance Division