



**Cal/EPA**

California  
Environmental  
Protection  
Agency



**Air Resources Board**

P.O. Box 2815  
2020 L Street  
Sacramento, CA  
95812-2815

November 27, 1996



Pete Wilson  
Governor

James M. Strock  
Secretary for  
Environmental  
Protection

#96-31

Jon Marinas  
Senior Products Manager  
Tanknology Corporation International  
870 Church Road  
Elgin, IL 60123

Dear Mr. Marinas:

Tanknology TR-622 Turbulence Arrestor

You requested California Air Resources Board (CARB) certification of the Tanknology TR-622 Turbulence Arrestor. The model TR-622 unit consists of a stainless steel basket strainer adapted to fit at the end of a drop tube. As part of the installation, the drop tubes are cut and required to be within six (6) inches of the bottom of the underground storage tank (UST) as stated in the Health and Safety Code Section 41950 (d).

The TR-622 unit is designed to stop turbulence created in the bottom of the fuel tanks during fuel drops. By reducing the turbulence, sediments and debris at the bottom of the fuel tank do not become agitated and suspended in the fuel and are not picked up by the submersible pump or the gasoline fuel filter.

The unit is installed at the bottom of the fill tube and is to be in contact with the bottom of the underground storage tank. The bottom of the TR-622 unit is fitted with a 1/2" nylon base which acts as a tank bottom protector. The design of the arrestor allows the stainless steel basket strainer to slide up and down a total of four inches. Verification of drop tube depth can be accomplished using a TR-622 depth stick adapter and by using measuring techniques outlined by the Tanknology Corporation. The turbulence arrestor shall be installed in accordance with the manufacturer's instructions and all applicable codes. The component shall be marked with the following: the manufacturer's name, model number, date of manufacture. A tag shall be placed near the top of the fill tube, which identifies the TR-622 Turbulence Arrestor is installed.

As required by CARB certification procedures, the necessary approvals have been obtained from the Division of Occupational Safety and Health, the Department of Forestry and Fire Protection, Office of the State Fire Marshal, and the Department of Food and Agriculture, Division of Measurement Standards. I find that the use of the Tanknology TR-622 Turbulence Arrestor, when installed in accordance with the manufacturer's instructions, will not adversely effect the performance of the vapor recovery system. Therefore, the Tanknology TR-622 Turbulence Arrestor is certified for use with Phase I vapor recovery systems.

If you have any questions or need assistance, please contact Joe Guerrero at (916) 324-7343 or Laura McKinney at (916) 327-1525.

Sincerely,

**INTERNET COPY**

James J. Morgester, Chief  
Compliance Division

cc: Mr. Jim Johnston, Chairman  
CAPCOA Vapor Recovery Committee

Mr. Gary Hunter, Manager  
CARB Compliance Assistance Section