

**State of California
AIR RESOURCES BOARD**

**Executive Order VR-101-B
Phil-Tite Phase I Vapor Recovery System
With Ball Float Overfill Prevention**

WHEREAS, the California Air Resources Board (CARB) has established, pursuant to California Health and Safety Code sections 39600, 39601 and 41954, certification procedures for systems designed for the control of gasoline vapor emissions during the filling of underground gasoline storage tanks, in its **CP-201 Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities (Certification Procedure)** as last amended July 25, 2001 incorporated by reference in Title 17, California Code of Regulations, Section 94011;

WHEREAS, CARB has established, pursuant to California Health and Safety Code sections 39600, 39601 and 41954, test procedures for determining the compliance of Phase I vapor recovery systems with emission standards;

WHEREAS, the Certification Procedure provides that the CARB Executive Officer shall issue an order of certification if he or she determines that the vapor recovery system conforms to all of the applicable requirements set forth in the Certification Procedure; and

WHEREAS, Phil-Tite Enterprises has developed a plan for training installation and maintenance contractors to meet the certification requirements specified in CP-201;

WHEREAS, G-01-032 delegates to the Chief of the Monitoring and Laboratory Division the authority to certify or approve modifications to certified Phase I and Phase II vapor recovery systems for gasoline dispensing facilities;

WHEREAS, I William V. Loscutoff, Chief of the Monitoring and Laboratory Division, find that the Phil-Tite Phase I Vapor Recovery System (Phil-Tite System) conforms with all of the requirements set forth in the Certification Procedure, and results in a vapor recovery system which is at least 98.0 percent efficient as tested pursuant to the test procedure for **TP-201.1 Volumetric Efficiency of Phase I Systems**;

NOW THEREFORE, IT IS HEREBY ORDERED that the Phil-Tite System is certified to be at least 98.0 percent efficient. Exhibit 1 contains a list of the certified components by manufacturer and model number. Exhibit 2 contains the performance standards and specifications, maintenance intervals and the certified installation and maintenance instructions for the Phil-Tite System. Exhibit 3 contains the manufacturing specifications. Exhibit 4 outlines the test procedure **Static Torque of Rotatable Phase I Adaptors**. Exhibit 5 outlines the test procedure **Pressure Integrity of Drop Tube/Drain Valve Assembly**.

IT IS FURTHER ORDERED that compliance with the applicable certification requirements, rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal and the Division of Occupational Safety and Health of the Department of Industrial Relations is made a condition of this certification.

IT IS FURTHER ORDERED that the certified Phil-Tite system and/or components contained herein shall be warranted, in writing, for at least one year from the date of installation, to the ultimate purchaser and each subsequent purchaser within the warranty period. The warranty

shall specify that the vapor recovery system is designed, built and equipped so as to conform at the time of original sale and installation with the applicable performance standards and performance specifications and is free from defects in materials and workmanship which could cause the vapor recovery system to fail. Copies of the manufacturer's warranty for the system and/or components shall be made available to the GDF owner/operator and a warranty tag shall be affixed as required in the Certification Procedure.

IT IS FURTHER ORDERED that the system, as installed, shall comply with the procedures and performance standards with which the test installation was required to meet during certification testing. If, in the judgment of the Executive Officer, a significant fraction of installations fail to meet the specifications of this certification, the certification may be subject to modification or revocation.

IT IS FURTHER ORDERED that each Pressure/Vacuum Vent Valve (P/V Valve), Spill Container Drain Valve and Rotatable Adaptor shall be 100 percent performance tested at the factory, and shall comply with the requirements specified in Exhibit 3.

IT IS FURTHER ORDERED that each Phil-Tite System component listed in Exhibit 1, Figure 1A shall be clearly identified by a permanent identification showing the manufacturer's name and model number.

IT IS FURTHER ORDERED that Phil-Tite Enterprises shall make available upon request the program developed to train contractors in the correct installation and maintenance of the Phil-Tite system.

IT IS FURTHER ORDERED that the certified Phil-Tite system shall be installed and maintained in accordance with the manufacturer's recommended installation and maintenance instructions contained in this Executive Order. A copy of this Executive Order shall be maintained at each GDF where a certified Phil-Tite system is installed.

IT IS FURTHER ORDERED that any alteration in the equipment parts, design, installation or operation of the system certified hereby is prohibited and deemed inconsistent with this certification unless the alteration has been submitted in writing and approved by the undersigned.

IT IS FURTHER ORDERED that the following requirements are made a condition of certification. The owner or operator of the Phil-Tite System shall conduct, and pass, the following tests no later than 60 days after startup and at least once every 3 years after startup testing; shorter time periods may be specified in accordance with local district rules and regulations: **TP-201.3 Determination of 2 Inch H₂O Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities, Exhibit 4 Pressure Integrity of Drop Tube/Drain Valve Assembly, and Exhibit 5 Static Torque of Rotatable Phase I Adaptors.** The test results shall be made available upon request within 15 days after the tests are conducted, or within 15 days of the request. If applicable, the results shall be submitted in a district-approved format. Alternative test procedures may be used if determined by the Executive Officer, in writing, to yield comparable results.

IT IS FURTHER ORDERED that the certification of the Phil-Tite Phase I vapor recovery system is valid through June 30, 2005.

IT IS FURTHER ORDERED that Executive Order VR-101-A, issued on June 19, 2001, is hereby superceded by this Executive Order.

Executed at Sacramento, California, this 12th day of July 2002.


William V. Loscutoff, Chief
Monitoring and Laboratory Division

Attachments:

- Exhibit 1 Phil-Tite Phase I Vapor Recovery System Equipment List
- Exhibit 2 Installation, Maintenance and Compliance Specifications
- Exhibit 3 Manufacturers Performance Standards and Specifications
- Exhibit 4 Static Torque of Rotatable Phase I Adaptors
- Exhibit 5 Pressure Integrity of Drop Tube/Drain Valve Assembly