

**State of California
AIR RESOURCES BOARD**

**Executive Order VR-102-A
OPW Phase I Vapor Recovery System**

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, OPW Fueling Components, Inc. (OPW) has applied for certification of the Phase I Vapor Recovery System (OPW System);

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, I, Michael P. Kenny, California Air Resources Board Executive Officer, find that the OPW Phase I Vapor Recovery 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 OPW 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 OPW System. Exhibit 3 contains the manufacturing specifications. Exhibit 4 is the test procedure **Static Torque of Rotatable Phase I Adaptors**. Exhibit 5 is the test procedure **Leak Rate of Drop Tube Overfill Prevention Device**. Exhibit 6 is the test procedure **Leak Rate of Pressure/Vacuum Vent Valves**.

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 of the Department of Forestry and Fire Protection, 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 OPW system and 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 components shall be made available to the gasoline dispensing facility (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, performance standards and performance specifications 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 requirements 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 OPW System component listed in Exhibit 1, Figure 1A, shall be clearly labeled by a permanent identification showing the manufacturer's name and model number.

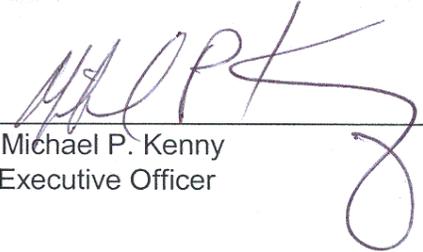
IT IS FURTHER ORDERED that the certified OPW system shall be installed and maintained in accordance with the manufacturer's recommended installation and maintenance instructions contained in this Executive Order. A copy of this Executive Order shall be available at each GDF where the certified OPW system 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 in writing by the Executive Officer or by the Executive Officer's delegate.

IT IS FURTHER ORDERED that the following requirements are made a condition of certification. The owner or operator of the OPW 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, Static Torque of Rotatable Phase I Adaptors; Exhibit 5 Leak Rate of Drop Tube Overfill Prevention Device; and Exhibit 6, Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves.** Notification of testing, and submittal of test results, shall be done in accordance with local district rules and pursuant to the policies established by that district. 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 OPW Phase I vapor recovery system is valid through September 30, 2006.

Executed at Sacramento, California, this 10th day of October 2002.



Michael P. Kenny
Executive Officer

Attachments:

- Exhibit 1 OPW 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 Leak Rate of Drop Tube Overfill Prevention Device
- Exhibit 6 Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves