

**State of California  
Air Resources Board**

**Executive Order VR-402-G**

**Related to Certification of Vapor Recovery Systems**

**Morrison Bros. Phase I Enhanced Vapor Recovery (EVR) System for  
Aboveground Storage Tanks (AST)**

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 aboveground gasoline storage tanks (Phase I EVR System) in its Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities Using Aboveground Storage Tanks (CP-206) as last amended on July 12, 2023, and incorporated by reference in Title 17, California Code of Regulations, Section 94016;

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 EVR Systems with emission standards;

Whereas, Morrison Bros. Co. (Morrison Bros.) requested and was granted certification of the Morrison Bros. Phase I EVR System for ASTs ("Morrison Bros. Phase I EVR System") pursuant to CP-206 on June 22, 2011, by Executive Order VR-402-A, and last amended on January 25, 2022, by Executive Order VR-402-F;

Whereas, Morrison Bros requested the renewal of the certification of the Morrison Bros. Phase I EVR System, which expired on July 17, 2023;

Whereas, the CARB Executive Officer shall issue an Executive Order if he or she determines that the vapor recovery system conforms to all applicable requirements of CP-206; and

Whereas, Executive Order G-21-474 delegates to the Chief of the Monitoring and Laboratory Division the authority to renew the certification of Standing Loss Control, Phase I, and Phase II vapor recovery systems for gasoline dispensing facilities (GDF) using aboveground storage tanks; and

Whereas, I, Walter Ham, Chief of the Monitoring and Laboratory Division, find that the Morrison Bros. Phase I EVR System conforms with all requirements set forth in CP-206 and results in a vapor recovery system which is at least 98.0 percent efficient when tested pursuant to TP-206.4, Volumetric Efficiency of Phase I Vapor Recovery Systems for Aboveground Storage Tanks (November 7, 2014);

Now therefore, it is hereby ordered that the Morrison Bros. Phase I EVR System is certified to be at least 98.0 percent efficient when used with Standing Loss Control Vapor Recovery Systems certified by the latest version of Executive Order VR 301 or Executive Order VR 302, as applicable and installed and maintained as specified herein and in the following exhibits. Exhibit 1 contains a list of the equipment certified for use with the Morrison Bros. Phase I EVR System. Exhibit 2 contains the installation, maintenance, and compliance standards and specifications. Exhibit 3 contains the manufacturing performance specifications. Exhibit 4 contains the manufacturer warranties. Exhibit 5 contains alternate Phase I EVR installation configurations for existing ASTs. Exhibit 6 contains a test procedure for determination of static pressure performance of vapor recovery systems at gasoline dispensing facilities with AST.

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 are made conditions of this certification.

It is further ordered that Morrison Bros. shall provide a warranty for the vapor recovery system and components to the initial purchaser. The warranty shall be passed on to each subsequent purchaser within the warranty period. The manufacturer of components listed in Exhibit 1 not manufactured by Morrison Bros. shall provide a warranty to each of their components certified herein. The warranty shall include the ongoing compliance with all applicable performance standards and specifications and shall comply with all warranty requirements in Section 17.5 of CP-206. Morrison Bros. or other manufacturers may specify that the warranty is contingent upon the use of trained installers. The manufacturer warranty tag, included with each component, shall be provided to the service station owner/operator at the time of installation.

It is further ordered that every certified component manufactured by Morrison Bros or others shall meet the manufacturing performance specifications as provided in Exhibit 3.

It is further ordered that the certified Morrison Bros. Phase I EVR System shall be installed, operated, and maintained in accordance with the CARB-Approved Installation, Operation and Maintenance Manual for Executive Order VR 402 G Morrison Bros. Phase I Enhanced Vapor Recovery System for Aboveground Storage Tanks (CARB Approved IOM). Equipment shall be inspected annually per the procedures identified in the CARB-Approved IOM. This inspection requirement shall also apply to systems certified by Executive Orders VR 402-A to F. A copy of the Executive Order and the CARB Approved IOM shall be maintained at each GDF where a certified Morrison Bros. Phase I EVR System is installed.

It is further ordered that equipment listed in Exhibit 1, unless exempted, shall be clearly identified by a permanent identification showing the manufacturer's name, model number, and serial number.

It is further ordered that any alteration in the equipment parts, design, installation, or operation of the system provided in the manufacturer's certification application or documents and certified hereby is prohibited and deemed inconsistent with this certification unless the alteration has been submitted in writing pursuant to the process for Executive Order amendments set forth in Section 19 of CP-206 and approved in writing by the Executive Officer or his or her delegate. Any sale, offer for sale, or installation of any system or component without CARB's approval as set forth above is subject to enforcement action.

It is further ordered that the following requirement be made a condition of certification. The owner or operator of the Morrison Bros. Phase I EVR System shall conduct and pass the following test no later than 60 days after startup and at least once every three years after startup testing, using the following test procedure: Exhibit 6, Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Storage Tanks. Shorter time periods may be specified by the District. Notification of testing, and submittal of test results, shall be done in accordance with District requirements and pursuant to policies established by that District. Districts may require the use of alternate test form(s), provided they include the same minimum parameters identified in the datasheet referenced in the test procedure. Alternate test procedures, including most recent version of test procedure listed above, may be used if determined by the CARB Executive Officer or his or her delegate, in writing, to yield equivalent results.

It is further ordered that the Morrison Bros. Phase I EVR System shall be compatible with gasoline in common use in California at the time of certification. The Morrison Bros. Phase I EVR System is not compatible with gasoline that has methanol content greater than 5 percent or ethanol content greater than 10 percent. Any modifications to comply with future California gasoline requirements shall be submitted in writing pursuant to the process for Executive Order amendments set forth in Section 19 of CP-206 and approved in writing by the Executive Officer or his or her delegate.

It is further ordered that the certification of the Morrison Bros. Phase I EVR System is valid for a period of four years from July 18, 2023.

It is further ordered that Executive Order VR-402-F issued on January 25, 2022, is hereby superseded by this Executive Order. Morrison Bros. Phase I EVR Systems certified under Executive Order VR-402-A through F may remain in use at existing installations up to four years after the expiration date of this Executive Order if this certification is not renewed.

It is further ordered that this Executive Order shall apply to new installations or major modification of the Phase I system at an existing gasoline dispensing facility.

Executed at Sacramento, California, this 8th day of November 2023.

**Walter Ham**

Digitally signed by Walter Ham  
Date: 2023.11.08 12:54:30 -08'00'

Walter Ham, Ph.D., Chief  
Monitoring and Laboratory Division

Attachments:

- Exhibit 1      Equipment List
- Exhibit 2      Installation, Maintenance, and Compliance Standards and Specifications
- Exhibit 3      Manufacturing Performance Standards and Specifications
- Exhibit 4      Manufacturer Warranty
- Exhibit 5      Alternate Phase I EVR Installation Configurations for Existing Aboveground Storage Tank
- Exhibit 6      Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Storage Tanks