State of California
Air Resources Board

Executive Order VR-204-AF

Relating to Certification of Vapor Recovery Systems
Balance Phase II Enhanced Vapor Recovery (EVR) System
Including In-Station Diagnostics (ISD)

Whereas, the California Air Resources Board (CARB) has established, pursuant to California Health and Safety Code sections 25290.1.2, 39600, 39601, and 41954, certification procedures for systems designed for the control of gasoline vapor emissions during motor vehicle fueling operations (Phase II EVR system) in its Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities Using Underground Storage Tanks (CP-201) as last amended July 12, 2023, incorporated by reference in California Code of Regulations, title 17, section 94011;

Whereas, CARB has established, pursuant to California Health and Safety Code sections 39600, 39601, 39607, and 41954, test procedures for determining the compliance of Phase II EVR systems with emission standards;

Whereas, Vapor System Technologies (VST) requested and was granted certification of the Balance Phase II EVR System Including ISD pursuant to CP-201 on April 1, 2008, by Executive Order VR-204-A, and last modified on April 25, 2025, by Executive Order VR-204-AE;

Whereas, The Veeder-Root Company (Veeder-Root) requested to update its ISD software to version 1.08 in order to comply with sections 9.2.4 and 9.3.3 of CP-201 for Veeder-Root's TLS-450Plus;

Whereas, Husky Corporation (Husky) requested a modification to the Balance Phase II EVR System, including ISD, to include addition of two breakaways to the list of approved hanging hardware options;

Whereas, Franklin Fueling Systems (FFS) stated the discontinuation in the manufacturing of certain components for the FFS INCON Vapor Recovery Monitoring System (VRMS) which is a certified ISD for the Balance Phase II EVR System;

Whereas, CP-201 provides that the CARB Executive Officer shall issue an Executive Order if he or she determines that the vapor recovery system, including modifications, conforms to all applicable requirements set forth in CP-201;

Whereas, Executive Order G-21-474 delegates to the Chief of the Monitoring and Laboratory Division the authority to renew existing certifications or to certify or approve modifications to certified Phase I and Phase II vapor recovery systems for gasoline dispensing facilities (GDF) with underground storage tanks; and

Whereas, I, Walter Ham, Chief of the Monitoring and Laboratory Division, find that the Balance Phase II EVR System Including ISD, as amended to include the modifications listed above, conforms with all requirements set forth in CP-201, including compatibility when fueling vehicles equipped with onboard refueling vapor recovery systems, and results in a vapor recovery system which is at least 95 percent efficient and does not exceed 0.38 pounds of hydrocarbons per 1,000 gallons of gasoline transferred when tested pursuant to TP 201.2, Efficiency and Emission Factor for Phase II Systems (July 26, 2012).

Now, therefore, it is hereby ordered that the Balance Phase II EVR System Including ISD is certified to be at least 95 percent efficient and does not exceed 0.38 pounds of hydrocarbon per 1,000 gallons of gasoline transferred in attended and/or self-service mode when used with a CARB-certified Phase I vapor recovery system and installed, operated, and maintained as specified herein and in the following exhibits. Exhibit 1 contains a list of the equipment certified for use with the Balance Phase II EVR System Including ISD. Exhibit 2 contains the performance standards, specifications, and typical installation drawings applicable to the Balance Phase II EVR System Including ISD as installed in a GDF. Exhibit 3 contains the manufacturing performance specifications and warranties. Exhibit 4 provides items required in conducting TP-201.3. Exhibit 5 is the liquid removal test procedure. Exhibit 6 provides items required in conducting TP-201.4. Exhibit 7 is the nozzle bag test procedure. Exhibit 8 is the VST ECS hydrocarbon sensor verification test procedure. Exhibit 9 is the test procedure for determining VST ECS vapor processor activation pressure. Exhibit 10 is the Veeder-Root vapor pressure sensor verification test procedure. Exhibit 11 is the Veeder-Root vapor polisher operability test procedure. Exhibit 12 is the Veeder-Root vapor polisher hydrocarbon emissions verification test procedure. Exhibit 13 is the Hirt VCS 100 processor operability test procedure. Exhibit 14 is the Franklin Fueling Systems (FFS) Clean Air Separator static pressure performance test procedure. Exhibit 15 is the VST Green Machine compliance test procedure. Exhibit 16 is the liquid condensate trap compliance test procedure. Exhibit 17 is the Veeder-Root ISD vapor flow meter operability test procedure. Exhibit 18 is accessing Pressure Management Control (PMC) and ISD parameters at GDFs with Veeder-Root's "Maintenance Tracker" security feature installed & enabled. Exhibit 19 is the INCON ISD vapor flow meter operability test procedure. Exhibit 20 is INCON vapor pressure sensor verification test procedure. Exhibit 21 is approved configuration for below-grade vaulted tank.

It is further ordered that compliance with 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, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board are made conditions of this certification.

It is further ordered that each component manufacturer listed in Exhibit 1 shall provide a warranty for the vapor recovery component(s) to the initial purchaser. The warranty shall be passed on to each subsequent purchaser within the warranty period. The warranty shall include the ongoing compliance with all applicable performance standards and specifications and shall comply with all warranty requirements in section 16.5 of CP-201. 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 VST, EMCO Wheaton Retail, OPW Fueling Components, Inc., Conti-Tech USA, Veeder-Root, Hirt, FFS, and Husky shall meet the manufacturing performance specifications as provided in Exhibit 3.

It is further ordered that the certified Balance Phase II EVR System Including ISD shall be installed, operated, and maintained in accordance with the CARB Approved Installation, Operation, and Maintenance (IOM) Manual for the Balance System as certified by Executive Order VR-204-AF. Equipment shall be inspected weekly, quarterly, and annually per the procedures identified in the CARB Approved IOM Manual. These inspections shall also apply to systems certified by Executive Orders VR-204-A to AE, Executive Order VR-205-A to B, and Executive Order VR-209-A. A copy of the Executive Order and the CARB Approved IOM Manual shall be maintained at each GDF where a certified Balance Phase II System Including ISD 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 manufacturers' 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 18 of CP-201 and approved in writing by the CARB 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 requirements are made a condition of certification. The owner or operator of the Balance Phase II EVR System Including ISD shall conduct and pass the following tests no later than 60 days after startup and at least once in each 12-month period, using the following test procedures. Shorter time periods may be specified by the District.

- TP 201.3, Determination of 2 Inch WC Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities (July 26, 2012);
- TP 201.4, Dynamic Back Pressure (July 3, 2002) in accordance with the condition listed in item 1 of the Vapor Collection section of Exhibit 2;
- Exhibit 4, Required Items in Conducting TP-201.3;
- Exhibit 5, Liquid Removal Test Procedure;
- Exhibit 6, Required Items for Conducting TP-201.4;
- Exhibit 8, VST ECS Hydrocarbon Sensor Verification Test Procedure (if a VST ECS membrane processor is installed);
- Exhibit 9, Determination of VST ECS Processor Activation Pressure (if a VST ECS membrane processor is installed);
- Exhibit 10, Veeder-Root Vapor Pressure Sensor Verification Test Procedure (if a VST ECS membrane processor or Veeder-Root Vapor Polisher is installed);
- Exhibit 11, Veeder-Root Vapor Polisher Operability Test Procedure (if a Veeder-Root Vapor Polisher is installed);
- Exhibit 12, Veeder-Root Vapor Polisher Hydrocarbon Emissions Verification Test Procedure (if a Veeder-Root Vapor Polisher is installed);
- Exhibit 13, Hirt VCS 100 Processor Operability Test Procedure (if a Hirt VCS 100 is installed);
- Exhibit 14, FFS Healy Clean Air Separator Static Pressure Performance Test Procedure (if a Clean Air Separator is installed);
- Exhibit 15, VST Green Machine Compliance Test Procedure (if a Green Machine is installed);
- Exhibit 16, Liquid Condensate Trap Compliance Test Procedure (if a Liquid Condensate Trap is installed);
- Exhibit 17, Veeder-Root ISD vapor flow meter operability test procedure;
- Exhibit 18, Accessing PMC and ISD Parameters at Gasoline Dispensing Facilities (GDF) with Veeder-Root's "Maintenance Tracker" Security Feature Installed & Enabled (if Maintenance Tracker is installed);
- Exhibit 19, INCON ISD vapor flow meter operability test procedure;
- Exhibit 20, INCON vapor pressure sensor verification test procedure;
- Exhibit 21, Below–Grade Vaulted Tank Configuration.

Districts may specify the sequencing of the above tests. 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(s). Alternative test procedures, including most recent versions of the test procedures 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 following requirements are made a condition of certification. The owner or operator of the Balance Phase II EVR System Including ISD shall conduct, and pass, the following test no later than 60 days after startup using Exhibit 7, Nozzle Bag Test Procedure. Notification of testing, and submittal of test results, shall be done in accordance with District requirements and pursuant to the 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(s). Alternative test procedures, including most recent versions of the test procedures listed above, may be used if determined by CARB Executive Officer or his or her delegate, in writing, to yield equivalent results.

It is further ordered that, except as provided above, Districts at their discretion will specify the testing, related sequencing, and testing frequency of the nozzle vapor valves. If nozzle vapor valve tests are required by the District, the test shall be conducted in accordance with Exhibit 7, Nozzle Bag Test Procedure.

It is further ordered that the Balance Phase II EVR System Including ISD shall be compatible with gasoline in common use in California at the time of certification. The Balance Phase II EVR System Including ISD is not compatible with gasoline that has a methanol content greater than 5 percent or an ethanol content greater than 10 percent. Any modifications to comply with future California gasoline requirements shall be approved in writing by the CARB Executive Officer or his or her delegate.

It is further ordered that the certification of FFS INCON VRMS for the Balance Phase II EVR System Including ISD is revoked for new installations.

It is further ordered that districts shall have the discretion to allow existing installed FFS INCON VRMS to remain in operation until the end of useful life[1] before requiring replacement with another certified ISD system.

It is further ordered that the certification of the Balance Phase II EVR System Including ISD is valid through December 1, 2027.

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[1] Useful life is the period during which a vapor recovery system or component can be used as intended, conforms to manufacturer's specifications, and complies with all applicable CARB regulations, standards, and specifications. The end of useful life occurs when the vapor recovery system or component can no longer be maintained or operated per manufacturer's specifications and as certified by CARB regulations, standards, and specifications.

It is further ordered that Executive Order VR-204-AE issued on April 21, 2025, is hereby superseded by this Executive Order. Balance Phase II EVR Systems Including ISD certified under Executive Orders VR-204-A through VR-204-AE may remain in use at existing installations up to four years after the expiration date of this Executive Order when the certification is not renewed.

It is further ordered that this Executive Order shall apply to new installations or major modification of Balance Phase II EVR Systems Including ISD with a throughput of greater than 600,000 gallons per year. Use of this Executive Order for new installations or major modifications at a GDF with a throughput of less than or equal to 600,000 gallons per year is not authorized.

Executed at Sacramento, California, this __31__ day of _____AUGUST_____ 2026.

Walter Ham (Aug 31, 2026 08:48:41 PDT)

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

Attachment:

General Requirements

Exhibit 1 Equipment List

- Hanging Hardware
- Processors
- Liquid Condensate Traps
- In-Station Diagnostic Systems
- Optional Wireless Components
- Optional Maintenance Tracker Kit

Exhibit 2 System Specifications

- Hanging Hardware
- Processors
- Pressure/Vacuum Vent Valves for Storage Tank Vents
- Warranty
- Vapor Recovery Piping Configurations
- Dispensers
- Liquid Condensate Traps
- Phase I Systems
- Maintenance Records
- Vapor Recovery Equipment Defects
- Veeder-Root PMC System Specifications
- Wireless Components
- Maintenance Tracker Kit

Exhibit 3 Manufacturing Performance Specifications and Warranties

- Vapor Systems Technologies
- EMCO Wheaton Retail
- Veeder-Root
- Conti-Tech USA
- Hirt
- Franklin Fueling Systems
- OPW Fueling Components, Inc.
- Husky Corporation

General Compliance Procedures

Exhibit 4 Required Items in Conducting TP-201.3

Exhibit 5 Liquid Removal Test Procedure

Exhibit 6 Required Items for Conducting TP-201.4

Exhibit 7 Nozzle Bag Test Procedure

Processor Specific Compliance Procedures

Exhibit 8 VST ECS Hydrocarbon Sensor Verification Test Procedure

Exhibit 9 VST ECS Determination of Processor Activation Pressure

Exhibit 10 Veeder-Root Vapor Pressure Sensor Verification Test Procedure

Exhibit 11 Veeder-Root Vapor Polisher Operability Test Procedure

Exhibit 12 Veeder-Root Vapor Polisher Hydrocarbon Emissions Verification Test Procedure

Exhibit 13 Hirt VCS 100 Processor with Indicator Panel Operability Test Procedure

Exhibit 14 Franklin Fueling Systems Healy Clean Air Separator Static Pressure Performance Test Procedure

Exhibit 15 VST Green Machine Compliance Test Procedure

LCT Specific Compliance Procedure

Exhibit 16 Liquid Condensate Trap Compliance Test Procedure

Other Procedures

Exhibit 17 Veeder-Root ISD vapor flow meter operability test procedure

Exhibit 18 Accessing PMC and ISD Parameters at Gasoline Dispensing Facilities (GDF) with Veeder-Root's "Maintenance Tracker" Security Feature Installed & Enabled

Exhibit 19 INCON ISD vapor flow meter operability test procedure

Exhibit 20 INCON vapor pressure sensor verification test procedure

Exhibit 21 Below-Grade Vaulted Tank Configuration