



# CALIFORNIA

## AIR RESOURCES BOARD

### Vapor Recovery Certification Procedure

### CP - 206

### Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities Using Aboveground Storage Tanks

**DRAFT**

Adopted: May 2, 2008  
Amended: January 9, 2013  
Amended: May 27, 2014  
Amended: November 9, 2015  
Amended: [Insert Amended Date]

[Note: Proposed text additions are underlined and proposed text deletions are indicated by ~~striking through~~. [Bracketed text] is not part of the proposed amendments.]

Only the pages that contain amended language are included.

Whenever these Certification Procedures are amended to include additional or amended performance specifications, a system shall remain certified until the Executive Order expiration date. A system that was installed before the operative date of additional or amended performance specifications may remain in use subject to the requirements of Section 18.

- 2.4.1 The effective and operative dates of adoption for all performance standards and specifications contained herein are specified in Table 2-1.
- 2.4.2 The operative dates of performance standards shall be the effective date of adoption of amended or additional performance standards, except as otherwise specified in Table 2-1. Certifications shall terminate on the operative date of amended or additional performance standards unless the Executive Officer determines that the system meets the amended or additional performance standards or specifications. Upon the operative date of the amended or additional performance standards, only systems complying with the amended or additional performance standards may be installed.
- 2.4.3 The operative dates of performance specifications are listed in Table 2-1. As of the operative date of amended or additional performance specifications, only systems complying with the amended or additional performance specifications may be installed.
- 2.4.4 The performance standards and specifications of this Certification Procedure are not required for any tank that was installed and operated before April 1, 2009, for Phase I, and any facility before [insert Baord Hearing date], for Phase II, and is located in an area that is classified by the U. S. Environmental Protection Agency as being in attainment with the federal 8-hour ozone standard. If such tanks are equipped with a Phase I, or facility is equipped with a Phase II vapor recovery system listed in Table 2-2, such system shall continue to be used unless replaced by a system that meets the performance standards or specifications of this Certification Procedure. Replacement parts for systems listed in Table 2-2 shall be subject to the requirements of sections 2.4.68 and 2.4.9. If the area where the tank, or facility, is located is reclassified as no longer in attainment with the Federal 8-hour ozone standard, such tank, or facility, must be brought into compliance with applicable performance standards and specifications within four years of the date of reclassification.
- 2.4.5 Notwithstanding any other provision in this Certification Procedure, tanks installed and operated before April 1, 2009, that meet any of the following criteria (summarized in Table 2-3) may continue using a Phase

I vapor recovery system that has been certified by CARB under one of the Executive Orders listed in Table 2-2 until the end of that system's useful life:

- a) The tank is located in an area that is determined to be in Extreme nonattainment with the federal 8-hour ozone standard, and is in a rural air district, and has an annual gasoline throughput of ~~less than~~ 18,000 gallons or less per year; or
- b) The tank is located in an area that is determined to be in Severe, Serious, Moderate, or Marginal nonattainment with the federal 8-hour ozone standard, and is in an urban air district outside of the San Diego County Air Pollution Control District, and has an annual gasoline throughput of ~~less than~~ 18,000 gallons or less per year; or
- c) The tank is located in the Santa Barbara County Air Pollution Control District or an area that is determined to be in Severe, Serious, Moderate, or Marginal nonattainment with the federal 8-hour ozone standard, and is in a rural air district, and has an annual gasoline throughput of ~~less than~~ 60,000 gallons or less per year.

2.4.6 Notwithstanding any other provision in this Certification Procedure, facilities installed and operated before [insert Board Hearing date], that are located in an area that is classified by the U.S. Environmental Protection Agency as being in nonattainment with the federal 8-hour ozone standard, and has an annual gasoline throughput of 480,000 gallons or less per year may continue to use a Phase II vapor recovery system that has been certified by CARB under one of the Executive Orders listed in Table 2-2 until the end of that system's useful life.

**Table 2-2  
Existing Phase I and Phase II Vapor Recovery Systems Whose Continued Use is Allowed Pursuant to Sections 2.4.4, 2.4.5, and 2.4.56**

Executive Order	System Type	Description	Date
G-70-97-A	<u>Phase I</u>	Stage I Vapor Recovery Systems for Underground Gasoline Tanks at Service Stations	December 9, 1985
G-70-102-A	<u>Phase I</u>	Certification of a Phase I Vapor Recovery System for Aboveground Storage Tanks with less than 40,000 Gallons Capacity for Gasoline or Gasoline/Methanol Blended Fuels	May 25, 1993
<u>G-70-116-F</u>	<u>Phase II</u>	<u>ConVault Aboveground Tank Vapor Recovery Systems</u>	<u>November 30, 1995</u>
<u>G-70-128</u>	<u>Phase II</u>	<u>Bryant Fuel Cell Aboveground Tank Vapor Recovery System</u>	<u>August 27, 1990</u>

<u>G-70-130-A</u>	<u>Phase II</u>	<u>Petrovault Aboveground Tank Vapor Recovery System</u>	<u>February 26, 1993</u>
<u>G-70-131-A</u>	<u>Phase II</u>	<u>Tank Vault Aboveground Tank Vapor Recovery System</u>	<u>March 17, 1992</u>
<u>G-70-132-B</u>	<u>Phase II</u>	<u>Supervault Aboveground Tank Vapor Recovery System</u>	<u>May 16, 1995</u>
<u>G-70-136</u>	<u>Phase II</u>	<u>FireSafe Aboveground Tank Vapor Recovery System</u>	<u>April 15, 1991</u>
<u>G-70-137</u>	<u>Phase II</u>	<u>FuelSafe Aboveground Tank Vapor Recovery System</u>	<u>October 4, 1991</u>
<u>G-70-138</u>	<u>Phase II</u>	<u>Phase II Vapor Recovery Systems Installed on Gasoline Bulk Plants/Dispensing Facilities with Aboveground Tanks</u>	<u>January 14, 1992</u>
<u>G-70-139</u>	<u>Phase II</u>	<u>Addition to the Certification of the Hirt Model VCS-200 Phase II Vapor Recovery System</u>	<u>March 17, 1992</u>
<u>G-70-140-A</u>	<u>Phase II</u>	<u>Integral Phase I and Phase II Aboveground Tank Configurations with the Healy Phase II Vapor Recovery System</u>	<u>July 1, 1992</u>
<u>G-70-142-B</u>	<u>Phase I</u>	<u>Phase I Vapor Recovery System for Aboveground Gasoline Storage Tanks</u>	<u>September 9, 1994</u>
<u>G-70-143</u>	<u>Phase II</u>	<u>P/T Vault Aboveground Tank Vapor Recovery System</u>	<u>August 7, 1992</u>
<u>G-70-147-A</u>	<u>Phase II</u>	<u>New United Motors Manufacturing, Incorporated Phase II Vapor Recovery System at the Fremont, California Assembly Plant</u>	<u>July 11, 1996</u>
<u>G-70-148-A</u>	<u>Phase II</u>	<u>Lube Cube Aboveground Tank Vapor Recovery System</u>	<u>May 4, 1995</u>
<u>G-70-152</u>	<u>Phase II</u>	<u>Moiser Brothers Tanks and Manufacturing Aboveground Tank Vapor Recovery System</u>	<u>October 31, 1993</u>
<u>G-70-155</u>	<u>Phase II</u>	<u>Petroleum Marketing Aboveground Tank Vapor Recovery System</u>	<u>March 12, 1994</u>
<u>G-70-156</u>	<u>Phase II</u>	<u>Ecovault Aboveground Tank Vacuum Assist Vapor Recovery System</u>	<u>May 23, 1994</u>
<u>G-70-157</u>	<u>Phase II</u>	<u>Ecovault Aboveground Tank Balance Vapor Recovery System</u>	<u>May 23, 1994</u>
<u>G-70-158-A</u>	<u>Phase II</u>	<u>Firesafe Aboveground Tank Vapor Recovery System</u>	<u>May 24, 1995</u>
<u>G-70-160</u>	<u>Phase II</u>	<u>Above Ground Tank Vault Vapor Recovery System</u>	<u>November 9, 1994</u>

<u>G-70-161</u>	<u>Phase II</u>	<u>Hoover Containment Systems, Incorporated Fuelmaster Aboveground Tank Vapor Recovery System</u>	<u>November 30, 1994</u>
<u>G-70-162-A</u>	<u>Phase II</u>	<u>Steel Tank Institute Fireguard Aboveground Tank Vapor Recovery System</u>	<u>February 15, 1995</u>
<u>G-70-167</u>	<u>Phase II</u>	<u>EnviroVault Aboveground Tank Vapor Recovery System</u>	<u>January 9, 1996</u>
<u>G-70-168</u>	<u>Phase II</u>	<u>Bryant Fuel Systems Phase I Vapor Recovery System</u>	<u>October 15, 1995</u>
<u>G-70-175</u>	<u>Phase II</u>	<u>Hasstech VCP-3A Vacuum Assist Phase II Vapor Recovery System for Aboveground Tank Systems</u>	<u>April 18, 1996</u>
<u>G-70-181-B</u>	<u>Phase II</u>	<u>Hirt VCS400-7 Bootless Nozzle Phase II Vapor Recovery System for Aboveground Storage Tank Systems</u>	<u>April 5, 2007</u>
<u>G-70-187</u>	<u>Phase II</u>	<u>Healy Model 400 ORVR Vapor Recovery System for Aboveground Tank Systems</u>	<u>September 13, 1999</u>
<u>G-70-190</u>	<u>Phase II</u>	<u>Guardian Containment, Corporation Armor Cast Aboveground Tank Vapor Recovery System</u>	<u>October 8, 1999</u>
<u>G-70-192</u>	<u>Phase II</u>	<u>Certification of the Healy Model 400 ORVR Nozzle for Existing Aboveground Storage Tank Systems</u>	<u>November 24, 1999</u>
<u>G-70-193</u>	<u>Phase II</u>	<u>Certification of the Hill-Vac Vapor Recovery System for Cargo Tank Motor Vehicle Fueling Systems</u>	<u>December 9, 1999</u>
<u>G-70-194</u>	<u>Phase II</u>	<u>Containment Solutions Hoover Vault Aboveground Tank Vapor Recovery System</u>	<u>May 11, 2000</u>
<u>G-70-195</u>	<u>Phase II</u>	<u>CreteX Companies, Inc FuelVault Aboveground Tank Vapor Recovery System</u>	<u>March 31, 2000</u>
<u>G-70-197</u>	<u>Phase II</u>	<u>Synchrotek Fastflo 3 Phase II Vapor Recovery System</u>	<u>June 25, 2001</u>

**Table 2-3  
Tanks that may Continue Using the Phase I Systems  
Shown in Table 2-2, pursuant to Sections 2.4.4 and 2.4.5**

<b>Nonattainment Classification</b>	<b>Air District Type</b>	<b>Maximum Annual Throughput (gallons)</b>
Extreme	Rural Air District <sup>1</sup>	18,000
Severe, Serious, Moderate, or Marginal <sup>2</sup>	Urban Air District <sup>1</sup>	18,000
Severe, Serious, Moderate, or Marginal <sup>3</sup>	Rural Air District <sup>1</sup>	60,000

- 1) Refer to D-200 for a definition of these terms
- 2) Does not include tanks located in the San Diego County Air Pollution Control District
- 3) Also includes tanks located in the Santa Barbara County Air Pollution Control District

2.4.67 A Phase II vapor recovery system installed and operated at a facility before **[insert Board Hearing date]**, that is located in an area that is classified by the U.S. Environmental Protection Agency as being in nonattainment with the federal 8-hour ozone standard, and has an annual throughput of greater than 480,000 gallons per year shall be replaced with a certified Phase II system that complies with the performance standards and specifications of Table 5-1, if district rules require vapor recovery.

2.4.78 When a Phase I vapor recovery system on a tank that meets the criteria of section 2.4.5 reaches the end of its useful life, it shall be replaced with a certified Phase I system that complies with the performance standards and specifications of Table 4-1. When a component of a Phase I vapor recovery system on a tank that is subject to section 2.4.5 must be replaced, it shall be replaced with a component that complies with the performance standards and specifications of Table 4-1 if such component(s) is determined by the Executive Officer to be commercially available and compatible with the installed vapor recovery system.

2.4.89 When a Phase II vapor recovery system at a facility that meets the criteria of section 2.4.6 reaches the end of its useful life, it shall be replaced with a certified Phase II system that complies with the performance standards and specifications of Table 5-1, if district rules require vapor recovery.

2.4.910 When the Executive Officer determines that no Standing Loss Control, Phase I, or Phase II system has been certified or will not be commercially available by the operative dates specified in Table 2-1 of CP-206, the Executive Officer shall extend the operative date and may extend the effective date of amended or additional performance standards or specifications. If there is only one certified system to meet amended or additional standards, that system is considered to be commercially available if that system can be shipped within eight weeks of the receipt of an order by the equipment manufacturer.

2.4.101 The Executive Officer may determine that a system certified prior to the operative date meets the amended or additional performance standards or specifications. In determining whether a previously certified system conforms to any additional or amended performance standards, specifications or other requirements adopted subsequent to certification of the system, the Executive Officer may consider any appropriate

information, including data obtained in the previous certification testing of the system in lieu of new testing.

2.4.12 Gasoline Dispensing Facilities with Phase II vapor recovery systems shall meet the requirement for compatibility with vehicles that are equipped with Onboard Refueling Vapor Recovery (ORVR) systems as specified in subsections 5.4.

2.4.13 Existing gasoline dispensing facilities that operate on or before [**Insert Amendment Date**] shall not be required to replace their nozzles to comply with the requirements of subsection 5.7.3 until the end of the useful nozzle life. All replacement nozzles must comply with the requirements of subsection 5.7.3.

## 2.5 Reference to CP-201

This procedure refers to applicable performance standards and specifications of CP-201, Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities as incorporated by reference into title 17, CCR section 94011. For the purpose of this procedure the term CP-201 shall mean the last adopted or amended version of CP-201 at the time that an Executive Order under CP-206 is issued.

## 3. STANDING LOSS CONTROL PERFORMANCE STANDARDS AND SPECIFICATIONS

Table 3-1 summarizes the Standing Loss Control Performance Standards and Specifications applicable to all ASTs that are not below-grade vaulted tanks.

**Table 3-1**  
**Standing Loss Control Performance Standards and Specifications**

<b>GDF Category</b>	<b>Emission Factor Requirement</b>	<b>Sec.</b>	<b>Std. or Spec.</b>	<b>Test Procedure</b>
New Installations	≤ 0.57 lbs/1000 gallons ullage/day	3.1, 3.2 & 3.3	Std.	TP-206.1 and/or TP-206.2
Existing Installations (Retrofits)	≤ 2.26 lbs/1000 gallons ullage/day	3.1, 3.2 & 3.3	Std.	TP-206.1 and/or TP-206.2