

**State of California
AIR RESOURCES BOARD**

EXECUTIVE ORDER NVR-1

Relating to Certification of Non-Vapor Recovery Equipment

For Use at Gasoline Dispensing Facilities with No Phase II Vapor Recovery Systems

WHEREAS, pursuant to California Health and Safety Code sections 25290.1.2, 39600, 39601 and 41954, the California Air Resources Board (ARB) has established certification procedures for control of gasoline vapor emissions from hoses used during motor vehicle fueling operations (low permeation hoses) in CP-201, ***Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities*** as last amended January 9, 2013 and CP-206, ***Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities Using Aboveground Storage Tanks*** as last amended January 9, 2013 (Certification Procedures), incorporated by reference in Cal. Code Regs., tit. 17, sections 94011 and 94016, respectively;

WHEREAS, pursuant to California Health and Safety Code sections 39600, 39601, 39607, and 41954, ARB has established a test procedure for determining the compliance of low permeation hoses with the emission standard established in CP-201 and CP-206 for low permeation hoses;

WHEREAS, Veyance Technologies, Inc. (Goodyear or Applicant) requested certification of the Goodyear Futura Low Perm Conventional Hose Assembly;

WHEREAS, the Certification Procedures provide that ARB Executive Officer shall issue an Executive Order if he determines that the hose assembly conforms to the applicable low permeation hose standard set forth in the Certification Procedures; and

WHEREAS, I, Richard W. Corey, Executive Officer, find that the Applicant's low permeation hose conforms with all requirements set forth in the Certification Procedures and results in a permeation rate which shall not exceed the low permeation hose standard of 10 grams per square meters per day ($\text{g}/\text{m}^2/\text{day}$) as determined by UL 330 (7th ed) - Underwriters Laboratories' Standard for Hose and Hose Assemblies for Dispensing Flammable Liquids.

NOW, THEREFORE, IT IS HEREBY ORDERED that the Applicant's low permeation hose is certified that it will not exceed $10 \text{ g}/\text{m}^2/\text{day}$ when installed, operated, and maintained as specified herein and in the following exhibits. Exhibit 1 contains a list of the certified low permeation hose(s) covered by the Executive Order. Exhibit 2 contains the performance standards and specifications applicable to the low permeation hoses as installed in a gasoline dispensing facility (GDF) with non-Phase II vapor recovery systems. Exhibit 3 contains the manufacturer warranty.

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, 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 the manufacturer of low permeation hose(s) listed in Exhibit 1 shall provide a warranty to the initial purchaser of the hoses that shall be honored by the manufacturer for each and every subsequent purchaser of the hoses within the warranty period. The warranty shall warrant that the low permeation hoses listed in the Executive Order complies with all warranty requirements in Section 16.5 of CP-201 or Section 17.5 of CP-206 and will continue to meet all applicable performance standards for the duration of the warranty period. 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 certified low permeation hoses shall be installed, operated, and maintained in accordance with the **ARB Approved Installation, Operation, and Maintenance Manual**. A copy of the Executive Order and the **ARB Approved Installation, Operation and Maintenance Manual** shall be maintained at each GDF where certified low permeation hoses are installed.

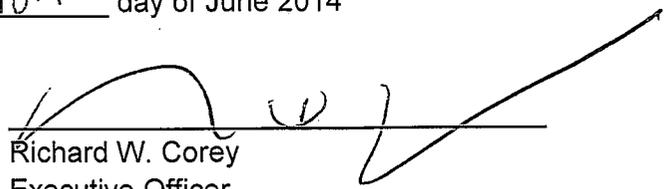
IT IS FURTHER ORDERED that low permeation hoses listed in Exhibit 1, unless exempted, shall be clearly identified by a permanent identification showing the manufacturer's name, model number, and serial number.

IT IS FURTHER ORDERED that the certification is conditioned upon there being no alteration in a listed low permeation hose of its design, installation, or operation from that set forth in the manufacturers' certification application or documents considered and relied upon in granting the certification, unless the alteration has been submitted in writing and approved in writing by the Executive Officer or Executive Officer delegate; failure to comply with this condition is prohibited and inconsistent with the certification and shall result in the suspension or revocation of the certification.

IT IS FURTHER ORDERED that the Goodyear Futura Low Perm Conventional Hose Assembly is certified as being compatible with gasoline in common use in California at the time of certification and is not compatible with gasoline containing more than 15 percent ethanol. Any modifications to comply with future California gasoline requirements shall be approved in writing by the Executive Officer or Executive Officer delegate.

IT IS FURTHER ORDERED that the certification of the low permeation hoses is valid for a period of four years from the date this Executive Order is signed.

Executed at Sacramento, California, this 16th day of June 2014


Richard W. Corey
Executive Officer

Attachments:

- Exhibit 1 Low Permeation Hose List
- Exhibit 2 Low Permeation Hose Specifications
- Exhibit 3 Manufacturer Warranties

EXHIBIT 1

Low Permeation Hose List

<i>Component</i>	<i>Manufacturer / Model</i>
Low Permeation Curb Hose and Whip Hose	Goodyear / Futura Low Perm

Goodyear Futura Low Perm Conventional Hose Assembly



GOODYEAR
FUTURA LOW PERM
FLAMMABLE LIQUID HOSE
ASSEMBLY (UL) LISTED 25R4
123456

NOTE:
6 digit serial number shown for demonstration only – actual serial number will be different

EXHIBIT 2

Low Permeation Hose Specifications

This exhibit contains the installation, maintenance and compliance standards and specifications that apply to low permeation conventional hoses installed at gasoline dispensing facilities (GDFs) with no Phase II vapor recovery system. All components must be installed, maintained, and operated in accordance with the specifications in the **ARB Approved Installation, Operation and Maintenance Manual** (IOM). Installation and inspection of low permeation hoses can be performed by any technician and GDF owner/operator. Certifications to install low permeation hoses may be required in accordance with local district requirements.

Low Permeation Conventional Hoses

1. The maximum length of the hose assembly, including the low permeation curb hose, breakaway, and low permeation whip hose combined shall not exceed eighteen (18) feet as measured from the base of the nozzle to the end of dispenser adapter or dispenser.
2. All hoses shall have a permanent identification showing the manufacturer name, model of hose, and serial number.
3. Any hose configuration is allowed.

Warranty

Each manufacturer listed in Exhibit 1 shall include a warranty tag with the certified low permeation hose(s). The manufacturer warranty tag, included with each low permeation hose, shall be provided to the service station owner/operator at the time of installation.

Maintenance Records

1. Each GDF operator owner shall keep records of maintenance/inspections performed at the facility. Such records shall be maintained on site in accordance with district requirements or policies. An example of a GDF maintenance and inspection form is shown in the figure below.
2. Inspections shall be conducted in accordance with the ARB Approved Installation, Operation, and Maintenance Manual.

EXHIBIT 3

Manufacturer Warranty

This exhibit includes the manufacturer warranty for low permeation hoses listed in Exhibit 1. The manufacturer warranty tag, included with each low permeation hose, shall be provided to the service station owner/operator at the time of installation.

WARRANTY FOR LOW PERMEATION HOSES USED IN CALIFORNIA: Seller warrants Product(s) consisting of low permeation hoses used in California ("California Low Permeation Hose Product(s)") to meet the performance standards and specifications to which such Product(s) were certified by the California Air Resources Board for a period of one (1) year from the date of installation. This warranty extends to Buyer and any subsequent Buyer of the California Vapor Recovery Product(s) during the warranty period. SELLER MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND WITH RESPECT TO PRODUCT(S), EXPRESS OR IMPLIED, RESPECTING MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.



PART #: _____
INSTALLATION DATE: _____ NAME OF INSTALLER: _____
LOCATION: _____

This hose was factory tested to and met all applicable performance standards & specifications to which it was certified: Reference CARB Executive Order NVR-1, CARB Test Procedure CP-201, and UL Standard UL-330.

The manufacture date is represented by a 4 digit julian date code stamped on the hose fitting.
Example: "1021" represents the 102nd day of 2011.

- 1. Complete warranty tag at time of installation.
- 2. Return warranty tag or other evidence of purchase and installation with hose for any necessary warranty claims.

WARRANTY FOR LOW PERMEATION HOSES USED IN CALIFORNIA: Seller warrants Product(s) consisting of low permeation hoses used in California ("California Low Permeation Hose Product(s)") to meet the performance standards and specifications to which such Product(s) were certified by the California Air Resources Board for a period of one (1) year from the date of installation. This warranty extends to Buyer and any subsequent Buyer of the California Vapor Recovery Product(s) during the warranty period. SELLER MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND WITH RESPECT TO PRODUCT(S), EXPRESS OR IMPLIED, RESPECTING MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.



California Environmental Protection Agency



ARB Approved

Installation, Operation and Maintenance Manual

For

Executive Order NVR-1

Low Permeation Hoses
For Use at Gasoline Dispensing Facilities with
No Phase II Vapor Recovery System

May 20, 2014

Goodyear Low Permeation Conventional Hose Assembly

1.0 Goodyear Low Permeation Conventional Hose Assembly

- 1.1 Select the correct whip and curb hose length. The maximum length of the hose assembly shall not exceed eighteen (18) feet. Lengths greater than eighteen (18) feet are permitted if acceptable to authorities having jurisdiction.
- 1.2 This assembly has NPT threads. Apply a suitable UL approved thread sealant compatible with gasoline to the threads prior to installation.
- 1.3 Following installation of the hose, authorize the dispenser and inspect hose connections for liquid leaks. There shall be no liquid leaks at hose connections.
- 1.4 Hose assemblies should be inspected weekly. Check the hose assembly for leaks, kinks, blisters, bulges, flattened areas, soft spots, or any cuts or gouges deep enough to expose the wire reinforcement beneath the cover of the hose. Hose assemblies showing signs of any of these issues should be replaced.

Note: It is the responsibility of the installer to be familiar with the current requirements of state, federal, local codes and air district rules and regulations for installation of gasoline dispensing equipment.

It is also the responsibility of the installer to be aware of all the necessary safety precautions and site safety requirements to assure a safe and trouble free installation.

Warranty Tag: The warranty tag provided with the component is to remain with component, and must be provided to the end-user.

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