



AIR POLLUTION CONTROL DISTRICT

10124 OLD GROVE ROAD

SAN DIEGO, CA 92131

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**ATTACHMENT B: TESTS FOR GASOLINE DISPENSING FACILITIES
WITH AN ABOVEGROUND STORAGE TANK**

<u>Vapor Recovery System</u> ¹	<u>Executive Order</u>	<u>Pressure Decay</u> ^{2,3,4,5}	<u>Additional Required Tests</u> ⁵
Standing Loss Only Installed			
Standing Loss EVR ¹ (250-550 gallons/capacity)	VR-302-X/VR-301-X	Exhibit 4 of VR-401-X/402-X	Leak Rate and Cracking Pressure of P/V Relief Vent Valves (TP-201.1E) ¹
Standing Loss and Phase I EVR Installed			
Standing Loss EVR with Phase I EVR ¹ (550 gals capacity)	VR-302-X/VR-301-X and VR-401-X/402-X	Exhibit 4 of VR-401-X/402-X	Leak Rate and Cracking Pressure of P/V Relief Vent Valves (TP-201.1E) ¹ Static Torque of Rotatable Phase I Adaptors, if applicable (TP-201.1B) ¹
Phase II Installed			
Healy ¹	G-70-187	Exhibit 4 of VR-401-X/402-X	Vapor Return Line Vacuum Integrity (Exhibit 4) ¹ Vapor Pressure Regulation Test (Exhibit 5) ¹
Hirt VCS-200 ¹	G-70-139	Exhibit 4 of VR-401-X/402-X	Verification of Liquid Removal (Exhibit 2) ¹
Oldcastle ¹	G-70-200-X	Exhibit 4 of VR-401-X/402-X	Dynamic Pressure (TP-201.4) ¹



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X: Most recent ARB certification of the applicable vapor recovery system

1. Unless otherwise specified by a District’s representative, the tests for the vapor recovery Systems specified shall be conducted in the following order:

<u>Standing Loss EVR Only</u>	<u>Standing Loss EVR with Phase I EVR and Phase II(if installed)</u>
<i>TP 201.1E</i>	<i>TP-201.1E</i>
<i>Exhibit 4 of ARB EO VR-401-X/402-X or TP 96-1</i>	<i>TP-201.1B (if adaptors are rotatable)</i>
	<i>Exhibit 4 of ARB EO VR-401-X/402-X or TP 96-1</i>
	<i>Phase II Testing if applicable</i>

2. The California Air Resource Board (CARB) Test Procedures Exhibit 4 of ARB EO VR-401-X/402-X, shall be conducted between sundown and 10:00 a.m. for AST’s with a capacity between 250 to 550 gallons and between sundown and a half hour after sunrise for AST’s with a capacity greater than 550 gallons. If Exhibit 4 (EO 401-X/402-X) is conducted, the minimum ullage during the test shall be 25% and maximum ullage 75% of the tank’s capacity.

Nitrogen can be introduced into the AST through the vapor adaptor or vent pipe during the Exhibit 4 of ARB EO VR 401-X/402-X or TP 96-1 test. If nitrogen is introduced through the vapor adaptor, the vapor coupler test assembly shall be leak checked in accordance with TP 201.3 (sections 5.5, 6.7-6.7.2) prior to conducting the Exhibit 4 of ARB EO VR 401-X/402-X or TP 96-1 test.

3. The San Diego Air Pollution Control District’s TP-96-1 leak detection procedure may be used in lieu of Exhibit 4 of ARB EO VR-401- X/402-X. TP-96-1 can be conducted at any time except when daytime temperatures exceed 100°F, and there is direct sunlight on exposed metal vapor return or vent pipe(s) that are in contact with the vapor space of the aboveground storage tank(s).

TP 96-1 requires that a 15 minutes test be conducted with an allowable decay of 0.1”w.c. For each tank/compartments with a capacity less than 1,000 gallons, the minimum ullage (vapor space) must be greater than or equal to 300 gallons in order to conduct TP-96-1.

4. If the equipment is identified as BACT in the equipment description, only TP-96-1 will be accepted by the District.
5. Test results shall be complete and accurate and submitted on current District test forms located at <http://www.sdapcd.org/comply/vapor/VRforms.html>. Failure to notify the District 15 calendar days prior to the scheduled test date/time or the failure to submit complete and accurate test data may result in the test being considered invalid by the District.

Pre-testing of the vapor recovery system is an option for the applicant. This is done to identify and correct problems before the District witness’s official testing. Pre-testing can eliminate the time and expense of having to perform a second test. The District recommends, but does not require, pre-testing.