



AIR POLLUTION CONTROL DISTRICT

10124 OLD GROVE ROAD
 SAN DIEGO, CA 92131
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ATTACHMENT B: TESTS FOR PHASE I AND/OR PHASE II GASOLINE ABOVEGROUND STORAGE TANK VAPOR CONTROL SYSTEM

Vapor Recovery System	Executive Order	Pressure Decay ^{1,2,4,5}	A/L TP-201.5 ^{4,5}	Additional Required Tests ^{4,5}
Standing Loss Only Installed				
Standing Loss EVR for New/Existing ASTs	VR-302-X/VR-301-X	TP-206.3	N/A	Leak Rate and Cracking Pressure of P/V Relief Vent Valves (TP-201.1E) ³
Standing Loss and Phase I EVR Installed				
Standing Loss EVR for New/Existing ASTs and Phase I EVR OPW	VR-302-X/VR-301-X and VR-401-X	Exhibit 4 of VR-401-X	N/A	Leak Rate and Cracking Pressure of P/V Relief Vent Valves (TP-201.1E) ³ Static Torque of Rotatable Phase I Adaptors, if rotatable vapor adaptors are installed (TP-201.1B)
Pre-EVR Installed				
Convault Petrovault Trusco-Supervault Hoover-Lube Vault Hoover Containment/Fuelmaster Envirovault Bryant	G-70-116-X G-70-130-X G-70-132-X G-70-148-X G-70-160/G-70-144-X G-70-161/G-70-133-X G-70-167-X/G-70-129-X G-70-168/G-70-128	TP-201.3A	N/A	
Hirt VCS-200	G-70-139	TP-201.3B	N/A	Verification of Liquid Removal (Exhibit 2)
Healy	G-70-187	TP-201.3B	N/A	Vapor Return Line Vacuum Integrity (Exhibit 4) Vapor Pressure Regulation Test (Exhibit 5)
Fireguard Hoover Vault	G-70-162-X G-70-194	TP-201.3B	N/A	
Hasstech	G-70-175-X	TP-201.3B	Yes	
Oldcastle	G-70-200-X	TP-201.3	N/A	Dynamic Pressure Performance (TP-201.4)
Tank Vault Healy	G-70-131-X G-70-140-X/G-70-192	N/A	N/A	



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

¹ *The California Air Resource Board (CARB) Test Procedures Exhibit 4 of ARB EO VR-401-X, TP-206.3, TP-201.3A and TP-201.3B shall be conducted between sundown and a half hour after sunrise to minimize interface from solar effects and barometric pressures changes.*

If Phase I EVR per ARB EO VR-401-X is installed, the pressure decay test shall be conducted per Exhibit 4 of ARB EO VR-401-X, and TP-206.3 is not required.

The San Diego Air Pollution Control District's TP-96-1 leak detection procedure may be used in lieu of TP-206.3, TP-201.3A, and TP-201.3B. 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 vapor space of the storage tanks and/or the aboveground storage tank(s).

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.

The District will also accept the results of leak tests based on soap solution, helium detection or vacuums provided that procedures have prior written District approval. Election of any test method (including optional tests) requires compliance with the performance standard for that test method.

² *If the equipment is identified as BACT in the equipment description, only TP-96-1 will be accepted by the District.*

³ *Alternate TP-201.1E may be used in lieu of TP-201.1E when specified by the applicable Executive Order. Once the test has started, the same test shall be completed prior to conducting another test on the P/V Vent Valves (i.e. the results of TP-201.1E cannot be used as part of the Alternate TP-201.1E and vice versa).*

⁴ *Test results shall be submitted on current District approved test forms located at <http://www.sdapcd.org>.*

⁵ *Pre-testing of the vapor recovery system is an option for the applicant. This is done to identify and correct problems before the District witnesses official testing. Pre-testing can eliminate the time and expense of having to perform a second test and pursue a variance until a second test has taken place. The District recommends, but does not require, pre-testing.*