Washington Oregon Gasoline Vapor Control Committee

This form will be accepted by any State or Local Air Pollution Agency requiring compliance testing on gas station vapor recovery equipment within the states of Washington or Oregon

For Agency Use Only
Reviewed by: _____
Date: _____
❑ Passed ❑ Failed
(Attach reasons for test failure to this form)

Pressure Decay Test CARB Test Procedure TP-201.3 or Procedure in CARB Executive Order for Stage 2 Equipment

Station Name:	Air Agency Registration No.:
Address:	
City, State, Zip:	

Testing Company Name:	Date/Time of Test:
Address:	Phone No.:
City, State, Zip:	

Type of Stage 1: **Type of Stage 2 system:** ❑ Balance ❑ Tokheim ❑ Wayne ❑ OPW ❑ Gilbarco ❑ Coaxial ❑ Dual Point ❑ Healy ❑ Other: _____

Tanks Manifolded? Yes ❑ No ❑ **Total Nozzles:** _____ **Tested with vapor cap:** On ❑ Off ❑

	Tank #1	Tank #2	Tank #3	Tank #4	
Number of Nozzles:					Total if Manifolded
Capacity:					
Product:					
Ullage:					
Percent Ullage:	%	%	%	%	%

Percent Ullage = ullage ÷ tank capacity x 100 (each tank ullage shall be greater than 500 but less than 25,000 gallons)

Test Results

		Non-Manifolded			
	If Manifolded	Tank #1	Tank #2	Tank #3	Tank #4
Initial Pressure	2.0" H_2O	2.0" H_2O	2.0" H_2O	2.0" H_2O	2.0" H_2O
Pressure after 1 min.	" H_2O	" H_2O	" H_2O	" H_2O	" H_2O
Pressure after 2 min.	" H_2O	" H_2O	" H_2O	" H_2O	" H_2O
Pressure after 3 min.	" H_2O	" H_2O	" H_2O	" H_2O	" H_2O
Pressure after 4 min.	" H_2O	" H_2O	" H_2O	" H_2O	" H_2O
Pressure after 5 min.	" H_2O	" H_2O	" H_2O	" H_2O	" H_2O

Allowable pressure from table (TP-201.3 or Applicable CARB Exec Exhibit #): _____
Allowable pressure calculated (Formulas on next page): _____

Person conducting the test:

Print Name	*Signature*	*Date*

Tank owner or authorized representative:

Print Name	*Signature*	*Date*

Formulas →

1. Calculating Results

1.1 Allowable Pressures for Vacuum Assist Systems

For Phase II Vacuum Assist Systems, the allowable five-minute final pressure, with an initial pressure of two inches (2.0) of water column, shall be calculated as follows:

$P_f = 2e^{-500.887/V}$ If N = 1-6

$P_f = 2e^{-531.614/V}$ If N = 7-12

$P_f = 2e^{-562.455/V}$ If N = 13-18

$P_f = 2e^{-593.412/V}$ If N = 19-24

$P_f = 2e^{-624.483/V}$ If N = 24

Where

N = The number of affected nozzles:
For manifold systems, N equals the total number of nozzles.
For dedicated plumbing configurations, N equals he number of nozzles serviced by the tank being tested

P_f = The minimum allowable five-minute final pressure, inches H_2O

V = The total ullage affected by the test, gallons

e = A dimensionless constant approximately equal to 2.718

2 = The initial starting pressure, inches H2O