



San Diego County
Air Pollution
Control District

AIR POLLUTION CONTROL DISTRICT
COUNTY OF SAN DIEGO
10124 OLD GROVE ROAD
SAN DIEGO CA 92131
PHONE (858) 586-2600

APCD USE ONLY

SECTOR

ID#

NOV#

VAPOR RETURN LINE VACUUM INTEGRITY TEST

ARB EO G-70-187, EXHIBIT 4 , HEALY 400 ORVR NOZZLES ONLY

Facility Name: _____

A/C or PO Number: _____

Time of Test: _____

(Record exact time of test in order to demonstrate proper test sequencing as required in Attachment B)

Pressure Gauge Calibration Data

Make/Model: _____ Serial #: _____

Calibration date: _____

(Calibration should be conducted at a frequency not to exceed 90 days)

Length of Vapor Return Line= _____

The approximate length of 2 inch vapor return (VR) pipe from the dispensers to the central vacuum unit (CVU) to the nearest 20 feet.
Length Determined by:

Blueprints ☐ Inspection ☐ Permit ☐

*If the value is described on the permit no other value can be used.

Equation

1st) Measured DP= The observed change in vacuum level in inches of water column from the initial vacuum from the vacuum after 5 minutes.

2nd) Calculated DP= $800/N$

Where: N=The approximate length of 2" vapor return pipe from the dispensers to the central vacuum unit to the nearest 20 feet.

3rd) Compare the Measured DP to the Calculated DP
(If the Measured DP is greater than the calculated DP then a vapor leak is evident and the system has failed).

Test Results

Measured DP= _____ calculated DP= _____

Starting Vacuum Level: "

1 Minute: _____ "

2 Minute: _____ "

3 Minute: _____ "

4 Minute: _____ "

Final Vacuum Level@ 5 Minutes: "

Final Test Results: Pass ☐ Fail ☐

Diameter of Vapor Return Line: 2" ☐ 3" ☐

If the site contains 3" vapor return pipes, multiply calculated DP by 0.5.

If the system contains more than one Central Vacuum Unit (CVU) with separate piping, repeat test for each CVU and its associated piping.