



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 FAX (858) 586-2651

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)

<p><u>Pressure Gauge Calibration Data</u></p> <p>Make/Model: _____ Serial #: _____</p> <p>Calibration date: _____</p> <p><small>(Calibration should be conducted at a frequency not to exceed 90 days)</small></p> <hr/> <p><u>Length of Vapor Return Line=</u> _____</p> <p>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:</p> <p>Blueprints <input type="checkbox"/> Inspection <input type="checkbox"/> Permit <input type="checkbox"/></p> <p><small>*If the value is described on the permit no other value can be used.</small></p> <hr/> <p><u>Diameter of Vapor Return Line:</u> 2" <input type="checkbox"/> 3" <input type="checkbox"/></p> <p>If the site contains 3" vapor return pipes, multiply calculated DP by 0.5.</p> <p>If the system contains more than one Central Vacuum Unit (CVU) with separate piping, repeat test for each CVU and its associated piping.</p>	<p><u>Equation</u></p> <p>1st) Measured DP= The observed change in vacuum level in inches of water column from the initial vacuum from the vacuum after 5 minutes.</p> <p>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.</p> <p>3rd) Compare the Measured DP to the Calculated DP <u>(If the Measured DP is greater than the calculated DP then a vapor leak is evident and the system has failed).</u></p> <hr/> <p><u>Test Results</u></p> <p>Measured DP= _____ calculated DP= _____</p> <p>Starting Vacuum Level: ”</p> <p>1 Minute: _____ ”</p> <p>2 Minute: _____ ”</p> <p>3 Minute: _____ ”</p> <p>4 Minute: _____ ”</p> <p>Final Vacuum Level@ 5 Minutes: ”</p> <p>Final Test Results: Pass <input type="checkbox"/> Fail <input type="checkbox"/></p>
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