



**AIR POLLUTION CONTROL DISTRICT**  
**COUNTY OF SAN DIEGO**  
**10124 OLD GROVE ROAD**  
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<b>APCD USE ONLY</b>
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 A)

<p><b><u>Pressure Gauge Calibration Data</u></b></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>	<p><b><u>Equation</u></b></p> <p><b>1<sup>st</sup>) Measured DP=</b> The observed change in vacuum level in inches of water column from the initial vacuum from the vacuum after 5 minutes.</p> <p><b>2<sup>nd</sup>) Calculated DP=800/N</b></p> <p>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><b>3<sup>rd</sup>) Compare the Measured DP to the Calculated DP</b>  <u>(If the Measured DP is greater than the calculated DP then a vapor leak is evident and the system has failed).</u></p>
<p><b><u>Length of Vapor Return Line=</u></b> _____</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>	<p><b><u>Test Results</u></b></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>
<p><b><u>Diameter of Vapor Return Line:</u></b>    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>	