



**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> Make/Model: _____ Serial #: _____ Calibration date: _____ (Calibration should be conducted at a frequency not to exceed 90 days)</p>	<p><u>Equation</u> 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 <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><u>Length of Vapor Return Line=</u> _____ 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 <input type="checkbox"/> Inspection <input type="checkbox"/> Permit <input type="checkbox"/> *If the value is described on the permit no other value can be used.</p>	<p><u>Test Results</u> Measured DP= _____ calculated DP= _____ Starting Vacuum Level: " 1 Minute: _____" 2 Minute: _____" 3 Minute: _____" 4 Minute: _____" Final Vacuum Level@ 5 Minutes: _____" Final Test Results: Pass <input type="checkbox"/> Fail <input type="checkbox"/></p>
<p><u>Diameter of Vapor Return Line:</u> 2" <input type="checkbox"/> 3" <input type="checkbox"/> 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.</p>	