## VAPOR RETURN LINE VACUUM INTEGRITY TEST

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

<table>
<thead>
<tr>
<th>Facility (DBA)/Site Address</th>
<th>Facility Representative/Title</th>
<th>Test Company Name/Address</th>
<th>Test Company Representative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Name</td>
<td>Print Name</td>
<td>Print Name</td>
<td>Print Name</td>
</tr>
<tr>
<td>Street Address</td>
<td>Title</td>
<td>Street Address</td>
<td>Signature</td>
</tr>
<tr>
<td>City</td>
<td>Zip</td>
<td>Phone No.</td>
<td>City</td>
</tr>
<tr>
<td>District Test Witness</td>
<td>P/O, S/A, A/C</td>
<td>Date of Test</td>
<td>Time of Test</td>
</tr>
</tbody>
</table>

### 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

- **Length Determined by:**
  - Blueprints
  - Inspection
  - Permit
- *If the value is described on the permit no other value can be used.

### 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.

### 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** = \(\frac{800}{N}\)

*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 at 5 Minutes: _____”

**Final Test Results:**

- Pass
- Fail