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| Text  Description automatically generated | SAN DIEGO AIR POLLUTION CONTROL DISTRICT**COMPLIANCE DIVISION**10124 Old Grove RoadSAN DIEGO CA 92131PHONE (858) 586-2650 FAX (858) 586-2651 | APCD USE ONLY |
| SECTOR |
| ID# |
| NOV# |

**INCON ISD VAC-ASSIST OPERABILITY TEST PROCEDURE**

##### **Exhibit 10 of ARB E.O. VR 202-XX**

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| **For ISD Alarm Response Purposes Only**: 1) Flow meter site glass checked to see if air is flowing: **[ ] Yes [ ] No** |
|  2)ISD Pressure sensor valve in proper orientation**: [ ] Yes [ ] No** |

**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)*

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| **ACTIVE ALARM CHECK AND PRINTOUT**  |
| **Does the INCON Console indicate an active alarm? [ ] Yes [ ] No***If Yes, the issues that caused the alarm need to be corrected before proceeding**If No, there are no active alarms and tester can proceed with the operability tests* |

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| **EXTERNAL ATG CONNECTION ALARM TEST (Required only if External ATG connected)** **[ ]  N/A** |
| **Disconnect External ATG from INCON Console Alarm Generated & Yellow LED Flashing? [ ] Yes [ ] No****Reconnect External ATG to INCON Console Alarm Cleared & Yellow LED off? [ ] Yes [ ] No***If No, the ATG failed the test (refer to the INCON IOM for installation/setup instructions to troubleshoot and correct the problem)* |

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| **DISPENSER SHUTDOWN MAPPING VERIFICATION** |
| **Dispenser #** | **Fuel Dispensed after Proper Shutdown?** | **Fuel Dispensed after Re-Enabled?** | **Dispenser** **#** | **Fuel Dispensed after Proper Shutdown?** | **Fuel Dispensed after Re-Enabled?** |
|  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |
|  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |
|  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |
|  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |
|  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |
|  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |
|  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |
|  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |
|  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |
|  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |
|  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |
|  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |  | **[ ] Yes [ ] No** | **[ ] Yes [ ] No** |

##### **Exhibit 10 of ARB E.O. VR 202-XX**

**Facility Name:**        **A/C or PO Number:**        **Time of Test:**

 (Record exact time of test in order to

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| **VAPOR PRESSURE SENSOR OFFSET CHECK (AMBIENT CHECK)** |
| **Pressure Sensor Location:**Dispenser No.:       /        | **Pressure Sensor Serial No.**        |
|  | **Initial Ambient Reference Check** | **After calibrating the pressure sensor (if required)10:** |
| **Vapor Containment Area Pressure** ***(Obtain Value from INCON Console using Figure 1, Step A)***  |       **Inches of W.C.** |       **Inches of W.C.** |
| **Is the sensor pressure value between ± 0.20 in W.C.?** |  **[ ] Yes [ ] No** |  **[ ] Yes [ ] No** |

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| **VAPOR PRESSURE SENSOR UST PRESSURE TEST**  |
| **Vapor Containment Area Pressure*****(Obtain Value from INCON Console using Figure 1, Step A)*** |       **Inches of W.C.** |
| **UST Pressure digital manometer value** |       **Inches of W.C.** |
| **Is the vapor containment area pressure between ± 0.20 in w.c. of the digital manometer value?** | **[ ] Yes [ ] No ( (If no, the vapor pressure sensor is not in compliance. Proceed to Incon ISD system troubleshooting manual)** |

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| **VAPOR FLOW METER V/L CHECK**  |
| **Dispenser1** | **Vapor Flow Meter Serial No.2** | **V/L Value from ISD Console3** | **V/L****Value per Exhibit 54** | **V/L Difference5** | Average V/L Values from ISD Console (if required)6 | **Average V/L Values per Exhibit 5****(if required)7** | **V/L Difference of Average Values****(if required)8** | **Pass/****Fail9** |
|       |       |       |       |       |       |       |       |       |
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1 Dispenser: indicate which dispenser is being tested (for example 1-2, 3-4, 4-5, etc.)

2 Vapor flow meter serial number: There must be one flow meter per dispenser.

3 V/L value from ISD console: access contemporaneous V/L readings from the dispenser status page of the ISD console (Refer to Figure 1 of Exhibit 10). *Note that this status page will show the last V/L run for each fueling point and the very next fueling transaction from the same fueling point will overwrite the screen V/L value.*

4 V/L value per Exhibit 5: V/L reading for a fueling point at the dispenser obtained from Exhibit 5 of VR-202-X or an ARB approved equivalent test method.

5 V/Ldifference: if the ISD console V/L value is within ±0.15 of the V/L value obtained from Exhibit 5 (i.e. V/L difference is ±0.15), the vapor flow meter in that dispenser passes the operability test. Go to the next dispenser and repeat the procedure.

6  Average V/L values from the ISD console: if the V/L difference is greater than ±0.15, run two (2) more V/L tests per Exhibit 5 and access the contemporaneous V/L values from the ISD console. Document the calculated average for the V/L values from the ISD Console for the two additional tests with the original test (total of three values).

7 Average V/L values per Exhibit 5: document the calculated average for the V/L values obtained from conducting Exhibit 5 two additional times with the original test (total of three (3) values).

8 V/L difference of average values: average ISD V/L values minus average V/L values per Exhibit 5.

9 Pass/Fail: If the average ISD V/L value is within ± 0.15 of the average of the V/L results, the vapor flow meter in that dispenser passes the operability test. If the average difference is greater than ± 0.15 then the vapor flow meter failed the test.

10 The pressure sensor shall be calibrated if the initial vapor containment area pressure is not within ±0.20” W.C. (refer to Fig.3).