



# MONTEREY BAY AIR RESOURCES DISTRICT

24580 Silver Cloud Court, Monterey, CA 93940

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## INCON ISD OPERABILITY TEST PROCEDURE

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

Renewal Testing

Engineering Startup Evaluation

SOURCE INFORMATION			TEST COMPANY INFORMATION		
Facility (DBA)/Site Address:		Facility Representative/Title:	Test Company Name/Address		Test Company Representative
Print Name		Print Name	Print Name		Print Name
Street Address		Title	Street Address		Signature
City	Zip	Phone No.	City	Zip	Phone No.
District Test Witness:		Permit Number:	Date of Test:		ICC Cert. No:
			Time of Test		Phase II Manufacturer Cert No:

### ACTIVE ALARM CHECK AND PRINTOUT

**Does the INCON Console indicate an active alarm?**

*If Yes, the issues that caused the alarm need to be corrected before proceeding*

*If No, there are no active alarms, tester can proceed with the operability tests*

Yes

No

### 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 Clear & 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)*

### DISPENSER SHUTDOWN MAPPING VERIFICATION

Dispenser <sup>1</sup>	Fuel Dispensed after Proper Shutdown?	Fuel Dispensed after Re-Enabled?	Dispenser <sup>1</sup>	Fuel Dispensed after Proper Shutdown?	Fuel Dispensed after Re-Enabled?

<sup>1</sup>Dispenser: Indicate which dispenser is being tested (for example 1-2, 3-4, 4-5, etc...)

**ISD INCON OPERABILITY TEST PROCEDURE, HEALY PHASE II EVR SYSTEMS, Exhibit 10 of ARB E.O. VR 202**

<b>VAPOR PRESSURE SENSOR OFFSET CHECK (AMBIENT CHECK)</b>		
<b>Pressure Sensor Location:</b> Dispenser No.: _____ / _____	<b>Pressure Sensor Serial No.:</b> _____	
	<b>Initial Ambient Reference Check</b>  _____ Inches of W.C.	<b>After calibrating the pressure sensor (If Required)<sup>10</sup></b>  _____ Inches of W.C.
<b>Vapor Containment Area Pressure (Obtain Value from INCON Console using Figure 1, Step A)</b>		
<b>Is the sensor pressure value between ± 0.2 in of w.c.?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

<b>VAPOR FLOW METER V/L CHECK</b>								
Dispenser <sup>1</sup>	Vapor Flow Meter Serial Number <sup>2</sup>	V/L Values from ISD Console <sup>3</sup>	V/L Values per Exhibit 5 <sup>4</sup>	V/L Difference <sup>5</sup>	Average V/L Values from ISD Console (If Required) <sup>6</sup>	Average V/L Values per Exhibit 5 (If Required) <sup>7</sup>	V/L Difference of Average Values (If Required) <sup>8</sup>	Pass/Fail <sup>9</sup>

<sup>1</sup>Dispenser: Indicate which dispenser is being tested (for example 1-2, 3-4, 4-5, etc...)

<sup>2</sup>Vapor Flow Meter Serial Number: There must be one flow meter per dispenser.

<sup>3</sup>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.

<sup>4</sup>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.

<sup>5</sup>V/L Difference: V/L value from ISD Console minus V/L value per Exhibit 5.

<sup>6</sup>Average V/L Values from the ISD Console: 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. Otherwise, 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 (for a total of three (3) values). This is not required if the vapor flow meter already passed the test.

<sup>7</sup>Average V/L Value per Exhibit 5: Document the calculated average for the V/L values obtained from conducting Exhibit 5 two additional times with the original test (for a total of three (3) values). This is not required if the vapor flow meter already passed the test.

<sup>8</sup>V/L Difference of Average Values: Average ISD V/L values minus Average V/L values per Exhibit 5.

<sup>9</sup>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. Go to the next dispenser and repeat the procedure. Otherwise, the vapor flow meter failed the test.

<sup>10</sup>The pressure sensor shall be calibrated if the initial vapor containment area pressure is not within ±0.20" W.C. (refer to Figure 3). If the vapor containment area pressure is not within ±0.10" W.C. after the calibration, the pressure sensor has failed the test.