



SAN DIEGO AIR POLLUTION CONTROL DISTRICT
COMPLIANCE DIVISION
10124 OLD GROVE ROAD
SAN DIEGO CA 92131
 PHONE (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

For ISD Alarm Response Purposes Only: 1) Flow meter site glass checked to see if air is flowing: <input type="checkbox"/> Yes <input type="checkbox"/> No 2) ISD Pressure sensor valve in proper orientation: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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)

ACTIVE ALARM CHECK AND PRINTOUT	
Does the INCON Console indicate an active alarm? <input type="checkbox"/> Yes <input type="checkbox"/> No <i>If Yes, the issues that caused the alarm need to be corrected before proceeding</i> <i>If No, there are no active alarms and tester can proceed with the operability tests</i>	

EXTERNAL ATG CONNECTION ALARM TEST (Required only if External ATG connected) <input type="checkbox"/> N/A	
Disconnect External ATG from INCON Console Alarm Generated & Yellow LED Flashing? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Reconnect External ATG to INCON Console Alarm Cleared & Yellow LED off? <input type="checkbox"/> Yes <input type="checkbox"/> No <i>If No, the ATG failed the test (refer to the INCON IOM for installation/setup instructions to troubleshoot and correct the problem)</i>	

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?
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
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	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> 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

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.?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

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?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If no, the vapor pressure sensor is not in compliance. Proceed to Incon ISD system troubleshooting manual)

VAPOR FLOW METER V/L CHECK								
Dispenser ¹	Vapor Flow Meter Serial No. ²	V/L Value from ISD Console ³	V/L Value per Exhibit 5 ⁴	V/L Difference ⁵	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 (P)/ Fail (F) ⁹

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/L difference: 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).