



**SAN DIEGO AIR POLLUTION CONTROL DISTRICT**  
**COMPLIANCE DIVISION**  
**10124 OLD GROVE ROAD**  
**SAN DIEGO CA 92131-1649**  
**PHONE (858) 586-2650      FAX (858) 586-2651**

APCD USE ONLY
SECTOR
ID#
NOV#

## LIQUID REMOVAL

**Exhibit 5 of VR-203-XX and VR-204-XX / TP 201.6C (Option One/Short Version)**

**For ISD Alarm Response Purposes only: Nozzle Boots Inspected for Damage: 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 L)

(Number of nozzles x grades per nozzle) Total grade points onsite:	<b>[A]</b> Grade points not tested due to low flowrate (<6.0 gpm):	<b>[C]</b> Grade points not tested for any other reason (eg. Defects):	# of grade points LR tested that passed:
Pre-Inspection <sup>1</sup> : Hoses in compliance? <input type="checkbox"/> YES <input type="checkbox"/> NO	<b>[B]</b> Grade points not tested due to high flowrate (>10.0 gpm):	Total number of Fueling Points LR tested: (excluding boxes [A],[B],&[C])	# of grade points LR tested that failed:

Fueling Point & Grade (87/89/91)	Hose Make & Model	Gallons Dispensed (gal) (G) <sup>2</sup>	Time to Dispense (sec) (T) <sup>2</sup>	Screening Dispensing Rate (gal/min) <sup>2</sup>	Existing volume drained from hose (mls)	Volume added to hose (mls) 150- 175(VI) <sup>3</sup>	Gallons Dispensed <sup>6</sup> (7 +/-0.5 gal) (G) <sup>3,4</sup>	Time to Dispense (sec) (T) <sup>4</sup>	Test Dispensing Rate (gal/min) <sup>3,4</sup>	Volume Drained After Dispensing (mL) (VF) 3,4	Liquid Removal Rate (mL/gal) 3,4,5	Pass (P) or Fail (F) or Non-Test (NT)	Comments

**Exhibit 5 of VR-203-X and VR-204-X Option 1 (short version)**

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 L)

Fueling Point & Grade (87/89/91)	Hose Make & Model	Gallons Dispensed <sup>2</sup> (gal) (G)	Time to Dispense <sup>2</sup> (sec) (T)	Screening Dispensing Rate (gal/min) <sup>2</sup>	Existing volume drained from hose (mls)	Volume added to hose (mls) 150-175(VI) <sup>3</sup>	Gallons Dispensed (7 +/-0.5 gal) (G) <sup>3,4</sup>	Time to Dispense (sec) (T) <sup>3,4</sup>	Test Dispensing Rate (gal/min) <sup>3,4</sup>	Volume Drained After Dispensing (mL) (VF) <sup>3,4</sup>	Liquid Removal Rate (mL/gal) 3,4,5	Pass (P) or Fail (F) or Non-Test (NT)	Comments

1. Inspect hoses for slits, tears and any Title 17 defects for hanging hardware specified in Exhibit 2 of VR-203-XX or VR-204-XX. Replace defective hoses prior to proceeding with the test.
2. The flow rates for all grade points must be tested and verified to be within the range of 6.0-10.0 gallons per minute (gpm). A minimum of one gallon of gasoline must be dispensed when measuring initial flowrates. If the flowrate is determined to be outside of 6.0-10.0 gpm during the initial flow rate screening, the flow rate of the given grade point must be re-tested by timing for a minimum of 30 seconds. The liquid removal test shall not be conducted for any hose with a grade point that measured outside of 6.0-10.0gpm range.
3. Entry fields applicable only if existing gasoline drained from the vapor hose is equal to or greater than 25 milliliters
4. If the existing gasoline drained from the vapor hose is equal to or greater than 25 milliliters, then a liquid removal test must be conducted per Option One of Exb.5. After 150-175 ml's of gasoline is added to the vapor path, 7.0 +/- 0.5 gallons must be dispensed at a flow rate within 6.0-10.0 gpm.
5. If the liquid removal rate is less than 5.0 ml/gallon, but greater than or equal to 4.5 ml/gallon, repeat the test two additional times and average the three results.