# Form 105-1:
## Liquid Removal Device Performance Data

Test Date: ___/___/_____

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Facility Name: _____     Facility ID Number: _____

| Nozzle Number | Gas Grade | Component | | | Nozzle Flow Setting | Flow Rate (GPM) VM | Liquid Removal Data [2] | | | | | | Pass [3] or Fail |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Make | Model | | | VI (mL) | VW (mL) | VF (mL) | G (gal.) | $VR_G$ (mL) | $VR_M$ (mL) | |
| _____ | _____ | Nozzle | | | Low | | | | | | | | |
| | | Hose | | | Med. | | | | | | | | |
| | | LRD [1] | | | High | | | | | | | | |
| _____ | _____ | Nozzle | | | Low | | | | | | | | |
| | | Hose | | | Med. | | | | | | | | |
| | | LRD [1] | | | High | | | | | | | | |
| _____ | _____ | Nozzle | | | Low | | | | | | | | |
| | | Hose | | | Med. | | | | | | | | |
| | | LRD [1] | | | High | | | | | | | | |
| _____ | _____ | Nozzle | | | Low | | | | | | | | |
| | | Hose | | | Med. | | | | | | | | |
| | | LRD [1] | | | High | | | | | | | | |
| _____ | _____ | Nozzle | | | Low | | | | | | | | |
| | | Hose | | | Med. | | | | | | | | |
| | | LRD [1] | | | High | | | | | | | | |

[1] LRD:   Liquid Removal Device

[2] $VR_G = ((VI - VW) - VF)/G$     where:

| | | |
|---|---|---|
| $VR_G$ | = | Gasoline removed in milliliters per gallon dispensed. |
| VI | = | Total initial volume poured into hose vapor passage, milliliters. |
| VW | = | Liquid lost due to wall adhesion, milliliters (from 7.2.2 above). |
| VF | = | Volume of gasoline remaining in hose vapor passage after dispensing, milliliters. |
| G | = | Total gasoline dispensed, gallons. |

$VR_M = VR_G * VM$     where:   VM   =   Flowrate, GPM (from **Table 105-2** below).

[3] Pass or Fail dependent on values calculated compared with values in **Table 105-1**.

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