| Truck Certification Inspection Form  NORTH CAROLINA Department of Environmental Quality | Name of Certifying Facility: (please print or stamp) _____ _____ _____ CT # | This vessel has been tested in accordance with EPA Reference Method 27: (tanks ≥ 2500 gallons)　　Truck certified to 0.50 - inch ☐ (tanks =1500-2499 gallons) Truck certified to 0.75 - inch ☐ DOT Leakage Test: MAWP/Design Pressure_____ Test Pressure_____ |

| Tank Owner: | Type Overfill Protection System ☐ Optic ☐ Thermister ☐ Other |
| | Overfill Protection System ☐ Good ☐ Faulty ☐ Repaired |

| Address: | Lined _____ Insulated_____ Dedicated service Yes/No |
| | MC/DOT SPEC_____ Type Material_____ |

| Tank Mfg_____ Tank Unit or Fleet #:_____ | Total Tank Capacity Gallons _____ Individual Compartment Capacity: |
| Year/Mfg_____ VIN/serial #:_____ | 1_____2_____3_____4_____5_____(Gallons) |

| ☐ Yes ☐ No | Connect static electrical ground to tank | ☐Yes ☐ No | Temp Stabilization | Testing location: |
| ☐ Yes ☐ No | Purged lines of liquid | ☐Yes ☐ No | Open & Close each dome cover | |
| ☐ Yes ☐ No | Purged tank compartments of Vapor: | ☐Yes ☐ No | Connect compartments of tank internally | |
| Check Method | ☐ Load of Non-Volatile | ☐Yes ☐ No | Attach test cap to vapor recovery coupling | |
| | ☐ Steam cleaned | ☐Yes ☐ No | Connect pressure-vacuum supply & pressure relief valve | |
| | ☐ Purge each compartment with air for 20 minutes | ☐Yes ☐ No | Attach Manometer (or equivalent) to pressure tap | |

## Pressure Test for Method 27

Increase pressure to a minimum of 18+ inches (maximum of 26.6) Water Gauge (Manometer); Indicate starting pressure **Pi** and pressure **Pf** at the end of 5 minutes. Record initial **Ti** and final time **Tf** of test. Note if you are using a stop watch.

| RUN 1 | | | | RUN 2 | | | | RUN 3 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Gauge Readings | | Total Inches Water | Start Time Ti Finishing Time Tf | Water Gauge Readings | | Total Inches Water | Start Time Ti Finishing Time Tf | Water Gauge Readings | | Total Inches Water | Start Time Ti Finishing Time Tf |
| 9.00 | 9.00 | 18.00 | 0:00 | 9.00 | 9.00 | 18.00 | 0:00 | 9.00 | 9.00 | 18.00 | 0:00 |
| | | Pi= | Ti= | | | Pi= | Ti= | | | Pi= | Ti= |
| | | Pf= | Tf= | | | Pf= | Tf= | | | Pf= | Tf= |
| | | a= | Tf-Ti = | | | b= | Tf-Ti = | | | c= | Tf-Ti = |

To obtain a, b, and c take the difference between Pi and Pf respectively.
- A third run or fourth run are only necessary if the truck should fail the preceding run.
- the difference in the consecutive runs (a–b) or (b–c) must be less than 0.5 inch and
- the average (a + b)/2 or (b+c)/2 must be no more than1.0 inches difference from the initial pressure

$|(a-b)|$ =_____ $|(b-c)|$ = _____ $Average\ |(a+b)/2|$_____ $Average\ |(b+c)/2|$_____

## Internal Vapor Valve Test

After two consecutive pressure runs, with the tank still pressurized to 18 inches water, close all the internal vapor valves, and drop the pressure on the vapor rail. Record time test is initialized and initial pressure (**Pi** should be zero), then record time and final pressure **Pf**. Test is run over 5 minutes allowing no more than 5 inch increase over that time (water gauge). Record initial **Ti** and final time **Tf** of test. Note if a stop watch is being used.

| Water Gauge Readings | Pi = 0-inch | Pf = | Pf - Pi = | Ti = | Tf = | Tf-Ti = |
|---|---|---|---|---|---|---|

## Vacuum Test

Draw vacuum to –6 inches (maximum of–10.0) Water gauge (Manometer); Indicate vacuum **Vi** at the start and **Vf** at the end of the 5 minute time frame. Record initial **Ti** and final time **Tf** of test. Note if a stop watch is being used.

| RUN 1 | | | | RUN 2 | | | | RUN 3 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Gauge Readings | | Total Inches Water | Start Time Ti Finishing Time Tf | Water Gauge Readings | | Total Inches Water | Start Time Ti Finishing Time Tf | Water Gauge Readings | | Total Inches Water | Start Time Ti Finishing Time Tf |
| –3.00 | –3.00 | –6.00 | 0:00 | –3.00 | –3.00 | –6.00 | 0:00 | –3.00 | –3.00 | –6.00 | 0:00 |
| | | Vi= | Ti= | | | Vi= | Ti= | | | Vi= | Ti= |
| | | Vf= | Tf= | | | Vf= | Tf= | | | Vf= | Tf= |
| | | a= | Tf-Ti = | | | b= | Tf-Ti = | | | c= | Tf-Ti = |

To obtain a, b, and c take the difference between Vi and Vf respectively.
- A third run or fourth run are only necessary if the truck should fail the preceding run.
- the difference in the consecutive runs (a–b) or (b–c) must be less than 0.5 inch and
- the average (a + b)/2 or (b+c)/2 must be no more than1.0 inches difference from the initial vacuum

$-|(a-b)|$ =_____ $-|(b-c)|$ = _____ $Average\ |(a+b)/2|$_____ $Average\ |(b+c)/2|$_____

**Continued Qualification statement:** Cargo tank meets the requirements of the DOT specification on this Report, Leakage test, 49 CFR 180.407 **Yes/No**

**Repairs/comments**:　　　　　　　　　　　　　　　　　　　　　　　Return to Service **Yes/No**

| Test conducted by: | Signed Name: | Date Tested: |
| State Decal Issued: | Responsible Party: | Date: |