

**New DOT Requirements Applicable to Cargo Tank Motor Vehicles
<3500 Gallons in Metered Delivery Service
(Common Bobtails)**

Effective Date	Description	Frequency	Test/Inspection Records?	Reg citation
July 1, 1999	Conduct one-time pressure test of new/repared hose assembly at 120% of maximum working pressure.	Once	Y (after 7/1/00)	180.416(f)
July 1, 1999	Conduct visual inspection of delivery hose deployed during each unloading operation. Rejection criteria include exposed reinforcement; permanently deformed wire braid reinforcement; soft spots (hose not under pressure); bulging (hose under pressure); loose outer covering; damaged, slipped or worn couplings; loose, missing, or severely corroded bolts.	Per Transfer	N	180.416©
July 1, 1999	Inspect delivery hose assembly	Monthly	Y (after 7/1/00)	180.416 (d)(1)
July 1, 2000	Mark each delivery hose with permanent identification number	Initially	N	180.416(b)
July 1, 2000	Ensure visual inspection of delivery hose assembly performed by a Registered Inspector (RI) while hose under normal operating pressure.	Annual	Y (after 7/1/00)	180.407(h)(4)
Discharge System Inspections				
July 1, 1999	Conduct visual inspection of piping system, including fusible elements and components such as bolts, connections and seals.	Monthly	Y (after 7/1/00)	180.416(d)(2)
July 1, 1999	Actuate all emergency discharge control devices designed to close the internal self-closing stop valve.	Monthly	Y (after 7/1/00)	180.416(d)(3)
July 1, 1999	Check internal self-closing stop valve in the liquid discharge opening for leakage (dead meter test)	Monthly	Y (after 7/1/00)	180.416(d)(4)
Operational Procedures				
January 1, 2000	Carry in truck written emergency discharge control procedures for all delivery operations.	Always	N	177.840(l)
July 1, 1999	Verify each component of discharge system that is readily observable during normal course of unloading is of sound quality, free of leaks and connections are secure after pressure in discharge system has reached equilibrium with pressure in cargo tank.	Per Transfer	N	177.840(m)
July 1, 1999	Observe both cargo tank and receiving tank at least once every 5 minutes during any delivery taking more than 5 minutes. Remain awake and within 150ft of CT and 25 feet of delivery hose throughout unloading operation.	Per Transfer	N	177.840(p)(1)
July 1, 1999	For a truck equipped, attendant must possess off-truck remote activation device at all times during the unloading operation.	Per Transfer	N	177.840(s)

July 1, 1999	For a truck equipped, check that off-truck remote mechanism in good operating order within 18 hours of the first delivery of each day and from 150ft. from the vehicle.	Daily	N	177.840(o)
--------------	---	-------	---	------------

New Hardware				
No later than the first scheduled leakage test after July 1, 2001	Begin retrofit of trucks with emergency discharge control equipment (off-truck remote) at time of requalification. All retrofits must be complete by July 1, 2006.	At time of requalification	Y	180.405(m)(1)
July 1, 2001	New vehicles/remounts must be equipped with off-truck remote.	Initially	Y	173.315(n)(5)
No later than the first scheduled leakage test after July 1, 19991	Ensure fusible elements (thermal means of closure) installed on cargo tanks at annual leakage test.	Initially	N	180.405(n)
Miscellaneous Provisions				
July 1, 1999	Non-specification cargo tanks may cross state lines to travel to and from a qualified assembly, repair, or requalification facility.	As Needed	N	173.315(k)(6)
New DOT Requirements Applicable to Cargo Tank Motor Vehicles >3500 Gallons in Metered Delivery Service (Large Bobtails and Metered Transports)				
Hose Management Program				
Effective Date	Description	Frequency	Test/Inspection Records?	Reg citation
July 1, 1999	Conduct one-time pressure test of new/repared hose assembly at 120% of maximum working pressure.	Once	Y (after 7/1/00)	180.416(f)
July 1, 1999	Conduct visual inspection of delivery hose deployed during each unloading operation. Rejection criteria include exposed reinforcement; permanently deformed wire braid reinforcement; soft spots (hose not under pressure); bulging (hose under pressure); loose outer covering; damaged, slipped or worn couplings; loose, missing, or severely corroded bolts.	Per Transfer	N	180.416©
July 1, 1999	Inspect delivery hose assembly	Monthly	Y (after 7/1/00)	180.416 (d)(1)
July 1, 2000	Mark each delivery hose with permanent identification number	Initially	N	180.416(b)
July 1, 2000	Ensure visual inspection of delivery hose assembly performed by a Registered Inspector (RI) while hose under normal operating pressure.	Annual	Y (after 7/1/00)	180.407(h)(4)
Discharge System Inspections				
July 1, 1999	Conduct visual inspection of piping system, including fusible elements and components such as bolts, connections and seals.	Monthly	Y (after 7/1/00)	180.416(d)(2)
July 1, 1999	Actuate all emergency discharge control devices designed to close the internal self-closing stop valve.	Monthly	Y (after 7/1/00)	180.416(d)(3)
July 1, 1999	Check internal self-closing stop valve in the liquid discharge opening for leakage (dead meter test)	Monthly	Y (after 7/1/00)	180.416(d)(4)

Operational Procedures				
January 1, 2000	Carry in truck written emergency discharge control procedures for all delivery operations.	Always	N	177.840(l)
July 1, 1999	Verify each component of discharge system that is readily observable during normal course of unloading is of sound quality, free of leaks and connections are secure after pressure in discharge system has reached equilibrium with pressure in cargo tank.	Per Transfer	N	177.840(m)
July 1, 1999	Observe both cargo tank and receiving tank at least once every 5 minutes during any delivery taking more than 5 minutes. Remain awake and within 150ft of CT and 25 feet of delivery hose throughout unloading operation.	Per Transfer	N	177.840(p)(2)
July 1, 1999	For a truck equipped, attendant must possess off-truck remote activation device at all times during the unloading operation.	Per Transfer	N	177.840(s)
July 1, 1999	For a truck equipped, check that off-truck remote mechanism in good operating order within 18 hours of the first delivery of each day and from 150ft. From the vehicle.	Daily	N	177.840(o)
New Hardware				
No later than the first scheduled leakage test after July 1, 2001	Begin retrofit of trucks with emergency discharge control equipment (off-truck remote) at time of requalification. All retrofits must be complete by July 1, 2006.	At time of requalification	Y	180.405(m)(3)
July 1, 2001	New vehicles/remounts must be equipped with off-truck remote devices (for obstructed view deliveries, must have either (1) passive shut-down capability; or (2) a query system to shut down delivery unless attendant prevents system from doing so at least once every 5 minutes).	Initially	Y	177.840(p)(2) and 173.315(n)(3)
Miscellaneous Provisions				
July 1, 1999	Non-specification cargo tanks may cross state lines to travel to and from a qualified assembly, repair, or requalification facility.	As Needed	N	173.315(k)(6)

**New DOT Requirements Applicable to Cargo Tank Motor Vehicles
in Other Than Metered Service (Transports)**

Hose Management Program

Effective Date	Description	Frequency	Test/Inspection Records?	Reg citation
July 1, 1999	Conduct one-time pressure test of new/repaired hose assembly at 120% of maximum working pressure.	Once	Y (after 7/1/00)	180.416(f)
July 1, 1999	Conduct visual inspection of delivery hose deployed during each unloading operation. Rejection criteria include exposed reinforcement; permanently deformed wire braid reinforcement; soft spots (hose not under pressure); bulging (hose under pressure); loose outer covering; damaged, slipped or worn couplings; loose, missing, or severely corroded bolts.	Per Transfer	N	180.416©
July 1, 1999	Inspect delivery hose assembly	Monthly	Y (after 7/1/00)	180.416 (d)(1)
July 1, 2000	Mark each delivery hose with permanent identification number	Initially	N	180.416(b)
July 1, 2000	Ensure visual inspection of delivery hose assembly performed by a Registered Inspector (RI) while hose under normal operating pressure.	Annual	Y (after 7/1/00)	180.407(h)(4)

Discharge System Inspections/Maintenance

July 1, 1999	Conduct visual inspection of piping system, including fusible elements and components such as bolts, connections and seals.	Monthly	Y (after 7/1/00)	180.416(d)(2)
July 1, 1999	actuate all emergency discharge control devices designed to close the internal self-closing stop valve.	Monthly	Y (after 7/1/00)	180.416(d)(3)
July 1, 1999	Check internal self-closing stop valve in the liquid discharge opening for leakage	Monthly	Y (after 7/1/00)	180.416(d)(4)
July 1, 2000	Ensure delivery hose assembly and piping system inspected by RI while under leakage test pressure.	Annual	Y (after 7/1/00)	180.407(h)(4)

Operational Procedures

January 1, 2000	Carry in truck written emergency discharge control procedures for all delivery operations.	Always	N	177.840(l)
July 1, 1999	Conduct test of off-truck remote shut-off once equipped	Daily	N	177.840(o)
July 1, 1999	Emergency discharge control system must automatically shut off flow of lading without need for human intervention within 20 seconds of the release caused by complete hose separation.	Always	N	173.315(n)(2)