



Anhydrous Ammonia Equipment Inspection Checklist (M.S. §18D.201)

This inspection checklist is based on MN Rules, Chapter 1513 and 49 CFR, § 173.315 (m) (1) and (2)

FIRM NAME (AS LICENSED OR PRODUCER)	PAGE _____ OF _____	
	NUMBER OF	
LOCATION (CITY/STATE)	Applicators	
	1000 gal. Nurse Tanks	
DATE	1450 + Nurse Tanks	
	Dual Nurse Tanks	
	Tool Bars	

INSTRUCTIONS: UNLESS OTHERWISE NOTED, specify deficiencies/violations by entering ("X") in boxes

EQUIPMENT IDENTIFICATION / TYPE / GALLON CAPACITY												
Equipment Identification:												
Applicator (AP), Nurse Tank (NT), Dual Nurse Tank (D), Toolbar/Application Unit (TB)												
Gallon Capacity of Applicator or Nurse Tank(s)												
Service Status: In Service (IS); Out of Service (OS); or Zero Product/Pressure Out of Service (Z)												
Compliant to Service Status Policy (Tagging/Lock Outs, etc.)												
CITATION TANK PAINTING / MARKINGS / PLACARDING / AP TRANSFER INSTRUCTIONS / SMV EMBLEM												
Markings, Placards, SMV Emblem must not be faded or missing.												
1513.0220	1. Tank painting required (aluminum or white paint finish) X = painting required on entire tank; S = spot painting											
1513.1040	2. "Anhydrous Ammonia" in 2-inch letters on 4 sides											
1513.1040	3. "Inhalation Hazard" in 2-inch letters on 2 sides											
1513.1040	4. "1005" placards on 4 sides											
1513.1060	5. Applicator tank requires legible ammonia transfer instructions											
1513.1060	6. Slow-Moving Vehicle (SMV) emblem											
SAFETY CHAINS / ANCHORING / CRADLE FRICTION / TIRES & RUNNING GEAR												
1513.1050	7. AP, NT, TB hitch connection – Requires hitch pin with a retainer when in tow.											
1513.1050	8. AP, NT, TB hitch connection - Requires safety chains when in tow.											
1513.1020	9. Applicator and Nurse Tank anchoring to running gear											
1513.1020	10. Applicator Tank Cradle friction: No steel to steel contact											
1513.1050	11. Tires and other running gear components											
TANK NON-CODE WELDING / TANK NAMEPLATE												
1513.0120	12. Tank noncode welds (NCW), Dent > 1/2" deep (D), Leaks (L)											
1513.0140	13. Tank nameplate absent (AB); illegible (IL); requires cleaning (C). If AB or IL, tests and mark tank per 49 CFR §173.315 (m) (2).											

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CITATION		NURSE TANK VALVE GUARD (ROLLCAGE) PROTECTION & POSITIVE SHUT-OFF VALVE / EXCESS FLOW VALVES									
1513.1030	14. Valves & piping confined in a sound valve guard.										
1513.1030	15. Withdrawal (WD), Liquid fill (L), Vapor (V) tank valves										
1513.1030	16. Dual Nurse Tanks: Secured excess flow valve/equivalent flow protection for merged hosing prior to withdrawal hose connection point.										
TANK PRESSURE GAUGES / LIQUID LEVEL GAUGES / NH3 LEVEL											
1513.1030	17. 0-400 psi/ammonia-rated pressure gauge										
1513.0210	18. Float/mechanical liquid level gauge										
1513.1030	19. 85% fixed liquid level gauge										
1513.0190	20. Filled greater than 85% @ 5 F or 90.6% @ 60 F.										
EMERGENCY WATER TANKS & HOSING											
1513.1060	21. Five gallon accessible emergency water tank & hosing on Inaccessible (IA); Cap (B); Cleaning (C); Hosing (H); Repair (R); Replacement (RP)										
TANK 250 PSI/AMMONIA-RATED PRESSURE RELIEF VALVE (PRV)											
1513.0180	22. Periodic PRV/Hydrostat external inspection performed										
1513.0180	23. PRV installation records maintained										
1513.0180	24. Replace Out-of-date / Out-of-condition PRV										
1513.0180	25. PRV Cleaning (C); Weep Hole (WH), Rain cap (RC);										
HOSING / PIPING / HOSE-END VALVES/HOSE SECURED & TOOLBAR CONTROL VALVE											
1513.0170	26. Hose & connections out of condition										
1513.0170	27. Hose-end (HS) or bleeder valve (BV) out of condition										
1513.1030	28. Secure hose and hose end valve(s) in transit.										
1513.0160	29. Ammonia-rated piping/fittings										
1513.1030	30. Toolbar: Control valve must indicate if valve is open or closed.										
AMMONIA-RATED HYDROSTATIC RELIEF VALVES (HYDROSTATS)											
1513.0180	31. Withdrawal valve (WD) & between shut-off valves (SV)										
1513.0180	32. Toolbar: Hose-end valve or female section of coupling device when withdrawal hose is permanent attached										
1513.0180	33. Toolbar: Hydrostat(s) in heat transfer unit-check psi rating										
1513.0180	34. Clean (C), Replace (RP) hydrostat, or Rain cap (RC)										
AUTOMATIC BREAK-AWAY, SELF-CLOSING COUPLING DEVICE (BA CD)											
1513.1030	35. BA CD out of condition										
1513.1030	36. BA CD assembly installed per manufacturer's specifications.										
1513.1060	37. BA CD connect/disconnect information readily visible near BA CD.										
1513.1030	38. Bleeder valve in intake & discharge of BA CD.										