

Pesticide and Fertilizer Management, Ph: 651-201-6275, Fx: 651-201-6117

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

This inspection checklist is based on MN Rules, Chapter 1513 and 49 CFR, §100 to 199

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 non-compliance by entering (“X”) in boxes. If non-compliance is found: (1) Remove NH3 equipment from service in accordance with the MDA’s NH3 Service Status Policy; or (2) Immediately correct the non-compliance.

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 (D), Leaks (L) • Dent in area that includes a weld: Greater than ½ inch depth; • Dent in area that does not include a weld: Greater than 1/10 of greatest diameter of dent, but no greater than one inch.											
1513.0140	13. Tank nameplate absent (AB); illegible (IL); requires cleaning (C). If AB or IL, inspect, tests and mark tank per 49 CFR §173.315 (m) (2).											

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

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 & HOISING																					
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);																				
HOISING / PIPING / HOS E-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.																				
COMMENTS																					