

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 _____	
	<b>NUMBER OF</b>	
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										
1513.1040	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

<b>CITATION</b>		<b>NURSE TANK VALVE GUARD (ROLLCAGE) PROTECTION &amp; POSITIVE SHUT-OFF VALVE / EXCESS FLOW VALVES</b>																			
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.																				
<b>TANK PRESSURE GAUGES / LIQUID LEVEL GAUGES / NH3 LEVEL</b>																					
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.																				
<b>EMERGENCY WATER TANKS &amp; HOISING</b>																					
1513.1060	21. Five gallon accessible emergency water tank & hosing on Inaccessible (IA); Cap (B); Cleaning (C); Hosing (H); Repair (R); Replacement (RP)																				
<b>TANK 250 PSI/AMMONIA-RATED PRESSURE RELIEF VALVE (PRV)</b>																					
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);																				
<b>HOISING / PIPING / HOS E-END VALVES/HOSE SECURED &amp; TOOLBAR CONTROL VALVE</b>																					
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.																				
<b>AMMONIA-RATED HYDROSTATIC RELIEF VALVES (HYDROSTATS)</b>																					
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)																				
<b>AUTOMATIC BREAK-AWAY, SELF-CLOSING COUPLING DEVICE (BACD)</b>																					
1513.1030	35. BACD out of condition/date (i.e. out of date Pioneer BACD)																				
1513.1030	36. BACD assembly installed and maintained per manufacturer's specifications.																				
1513.1060	37. BACD connect/disconnect information readily visible near BACD.																				
1513.1030	38. Bleeder valve in intake & discharge of BACD.																				
<b>COMMENTS</b>																					