

# IOWA DEPARTMENT OF AGRICULTURE & LAND STEWARDSHIP

## Anhydrous Ammonia Facility Inspection Checklist

Label

Example:

2015 Nh3 Facility Inspection Checklist

Latitude
Longitude

Date Inspected: \_\_\_\_\_

IDALS Tag Number(s) & Capacity of Storage Tanks(s):

\_\_\_\_\_

\_\_\_\_\_

Storage Tanks		Sat	Improve	Uns
1	Condition of tank(s) supports, 1/3 of tank. Anti-corrosion pad between tank & pier.			
2	Multiple sources of plant security in place. Main liquid and vapor valves locked.			
3	Plumbing, appurtenances, and pump free from leaks.			
4	Rain caps on relief valves.			
5	Relief valves replaced within 5 years of manufactured date and documented.			
6	Transport bulkhead; caps on connections, plumbed properly.			
7	Adequate bleed off system, recommend 200-plus gallons.			
8	Facility has required valves, hydrostatic relief, fittings, and gauges.			
9	Remote emergency shut off valve placed prior to pump.			
10	Metal, flexible connections used properly; double braided, MWP 350, and labeled.			
11	Storage tank(s) and piping supported & protected from physical damage.			
12	Condition of storage tank(s) paint, all valves properly identified.			
13	Storage tank(s) properly marked.			
14	"Emergency Information" signage in place.			
15	Area free of ignitable materials and any materials inhibiting emergency actions.			
16	Nh3 stamped hose, records of seasonal inspection, installation/expiration dates.			
17	Permanent working platform.			
18	Hose "hang up" rack.			
20	All Nh3 equipment installed and operated according to manufacturer's specifications.			

Nurse Tanks and Applicators		Counts		
Caddies	Applicators	3000s	Doubles	Singles
Nurse Tanks and Applicators		Sat	Improve	Uns
21	Condition of nurse tanks paint, all valves properly identified.			
22	Relief valves replaced within 5 years of manufactured date and documented.			
23	Tire condition.			
24	Condition of hitches, 2 safety chains furnished for each nurse tank.			
25	General condition of valves, gauges, fittings.			
26	Nh3 stamped hose, records of seasonal inspection, installation/expiration dates.			
27	Container placarded and properly marked, including transfer and first aid instructions.			
28	5 – gallon container of water on each container.			
29	Plumbing on double nurse tanks utilizes emergency shutdown.			
30	Connect/disconnect instructions on toolbars.			
Safety Equipment		Sat	Improve	Uns
31	150 gal water tank or safety shower. Within 10 sec or 100 ft of transfer site.			
32	Eye protection; chemical splash goggles.			
33	Protective clothing; including gloves, boots, slicker or pants and jacket.			
		Yes	No	
34	Does facility have Nh3 rail unload?			
35	"Tank Car Connected" signs and protective equipment including water tank or shower?			
36	Date of last Nh3 safety training?	/	/	

IDALS intends to adopt into rules the 2014 ANSI/CGA G-2.1 Standards for Anhydrous Ammonia along with several exceptions to the Standards. This document is the IDALS checklist for 2015 inspections of Anhydrous Ammonia Storage facilities. The checklist is based on the new Rules being adopted and put into place January 1, 2016. The yellow high-lighted portions above indicate some of the inspection changes the new rules will present.

For 2015, regulatory action for non-compliance with any of the proposed rule changes will not be taken unless the unsatisfactory condition presents a safety concern. For more information about the Standards and Rules changes, please visit "Anhydrous Ammonia Regulation Changes and Guidelines" at: <http://www.iowaagriculture.gov/feedandfertilizer.asp>.

Signature of Owner or Authorized Person

Signature of Inspector / Inspector Number