

## NH<sub>3</sub> Fall Application Safety Reminders

### 1. Personal Protective Equipment

- ALWAYS WEAR NH<sub>3</sub> GLOVES AND GOGGLES, LONG SLEEVED SHIRT/COVERALLS WHEN HANDLING NH<sub>3</sub> OR WORKING ON NH<sub>3</sub> EQUIPMENT // **NEVER ASSUME THAT THE EQUIPMENT OR LINES ARE FULLY BLED OR EMPTY**

### 2. Hoses

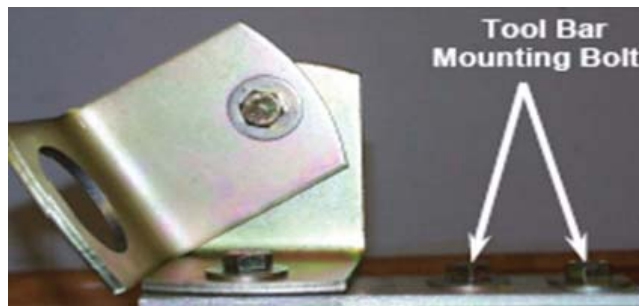
- Immediately replace hosing if bulged, cracked or cut to the cords, soft spots, or separation from hose coupling---only replace with NH<sub>3</sub> rated hoses

- Always use a withdrawal hose of a correct length---hose should be long enough to allow turning etc. but not so long that it can get caught up in equipment // Never secure the withdrawal hose (with bungees, wire etc.) in a way that impedes the operation of the coupling device assembly

### 3. Coupling Device Assembly

- Install and maintain per the manufacturer's specifications---coupling device, double swivel and flat bar. Maintenance should include checking for dirt/rust/corrosion, lubricating couplers and replacing couplers that do not uncouple

- Double Swivel must allow the coupling device to move freely in all directions and separate as needed during an emergency



### 4. Incident Reporting

- Either the dealer or the customer must immediately report an incident to the Minnesota Duty Officer (MDO) at (800) 422-0798 that releases or immediately threatens to release ammonia into the environment and incidents that injure persons or adversely affect the environment. Reportable incidents include but are not limited to a worker being exposed to NH<sub>3</sub> vapor, injury to offsite humans and animals, the overturn of a nurse tank in the field or on the road, a hose break, the failure of a coupler to uncouple that releases ammonia, the malfunction of application equipment that releases ammonia etc.

### 5. Take Tanks & Equipment Out of Service That Do Not Comply

- Follow the MDA's **SERVICE STATUS POLICY** for taking tanks and equipment out of service that are no longer in compliance. Be sure to "lock out and tag out". "Lock out" refers to rendering the tank or equipment unusable and "tag out" refers to placing a tag on the tank or equipment indicating that it can't be used

For questions about MDA regulations contact the MDA NH<sub>3</sub> Inspector in your area or Ed Kaiser in St. Paul: Mike Fick (218) 863-2984 (NC MN) [email mike.fick@state.mn.us](mailto:mike.fick@state.mn.us); Scott Revier (218) 938-4076 (NW MN) [email scott.revier@state.mn.us](mailto:scott.revier@state.mn.us); Bob Rialson (507) 746-4483 (S MN) [email bob.rialson@state.mn.us](mailto:bob.rialson@state.mn.us); Ed Kaiser, St. Paul Office (651) 201-6275 [email ed.kaiser@state.mn.us](mailto:ed.kaiser@state.mn.us);

Or visit our [website](http://www.mda.state.mn.us/chemicals/fertilizers/nh3.aspx) at: <http://www.mda.state.mn.us/chemicals/fertilizers/nh3.aspx>