

# Anhydrous Ammonia E-Blast

**TOPIC: Where 350-400 psi/NH3 Rated Hydrostatic Relief Valves (Hydrostats) Are Required To Protect PERMANENTLY Assigned/Attached Hosing/Lines Between Shut-Off Valves:**

**1. Single nurse tank unit with single hose/line:**

- In the nurse tank withdrawal valve (photo below).



**Hydrostat Protecting Permanently Assigned/Attached Withdrawal Hose**

**2. Dual nurse tank unit:**

- *Single hose/line:* In nurse tank withdrawal valve.
- *Merged hoses/lines:* In one nurse tank withdrawal valve provided that the only other shut-off valve is located at the opposite end/hose connection point.
- *Crossover hose/line:* In nurse tank liquid fill, vapor, or between other pairs of shut-off valves.

**3. Application/Toolbar Unit:**

- The area that includes the withdrawal hose to the discharge side (female side) of the break-away coupling device.

**4. Any other locations:**

- Permanently attached/assigned hose/line in which liquid ammonia can be isolated between shut-off valves.

Though not required, a hydrostat installed in nurse tank withdrawal valve and connections provides an added layer of protection for TEMPORARY assigned/attached hosing/lines.

## Questions? Contact area NH3 Inspector or St. Paul Office

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**Jim Freilinger @ (320) 243-7382** **Counties:** Big Stone, Chippewa, Clay, Douglas, Grant, Kandiyohi, Kittson, Mahnomon, Marshall, Norman, Ottertail, Pennington, Polk, Pope, Red Lake, Roseau, Stearns, Stevens, Swift, Traverse, Wilkin

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