# *General Environmental Incident Summary*

**Incident:** 5403          **Notice:** 5/11/2017     0630     **Occurred:** 5/11/2017          0600

**DEM Incident No:**                                                        **No Further Action:** ☑

**Responsible Party:**   CHS Inc.

**County:**   Barnes

**Twp Rng Sec Qtr:**   140   60     14    NW SW

**Lat Long + Method:**   46.94051        -98.22523        Navigation quality GPS

**Location Description:**   610 7th St., Sanborn, ND  58480

**Submitted By Info:**   Mary Blel

Cenex Harvest States

5500 Cenex Dr

Inver Grove Heights  MN  55077

**Received By Info:**

**Contact Info:**   Mary Blel

5500 Cenex Drive

Inver Grove Heights  MN  55077

**Affected Medium:**   01 - air

**Near. Occupied Bldg:**

**Type of Incident:**   NH3 vapor

**Release Contained:**   No

**Reported to NRC:**   No

**Contaminant:**   NH3 vapors

**Volume of Release:**

**Duration of Release:**

**Agriculture Related:**   Yes

**EPA Extremely
Hazardous Substance:**   Yes

**Number of Fatalities:**   0

**Number of Injuries:**   0

**Cause of Incident:**

Vapor leak from the liquid withdrawal valve on a nurse tank.  Duration of the release is unknown. Approximately 78 lbs. of NH3 was released.

**Risk Evaluation:**

Immediate health hazard

**Potential Env. Impacts:**

**Action Taken/Planned:**

Release was stopped by bleeding the tank down and replacing the valve.

**Wastes Disposal Location:**

NA

**Other Agencies Involved:**

**Date:** 5/15/2017          **Status:** Reviewed - No Action Required

**Author:** Martin, Russell

**Notes:**

Talked to Barnes County Emergency Manager and site personnel who were there when the incident occurred. "Empty" nurse tank had been returned to the lot, but a faulty valve on the tank was found to be leaking. Based on it being brought back empty (~1% of product left), only a minimal amount of residual anhydrous ammonia was lost according to site personnel. Fire Department personnel simply shut off the valve on the tank in response, and it was then drained and valve was fixed. A few homes nearby were temporarily evacuated when the vapor was first noted, but evacuation order was lifted shortly thereafter once it was determined it was just a faulty valve. No further follow-up required at this time.

**Updated Volume:**   None at the time of this update