

General Environmental Incident Summary

Incident: 1940 **Date/Time Notice:** 6/13/2013 19:30 **DEM Incident No:**
Responsible Party: Dakota Plains Cooperative
Date Incident: 6/11/2013 **Time Incident:** 21:30 **Duration:** 30 minutes
County: Barnes **Twp:** 149 **Rng:** 65 **Sec:** 14 **Qtr:** NW NW SW
Lat: 47.72348 **Long:** -98.94331 **Method:** Derived from TRS
Location Description: 201 7th Ave Sanborn ND

The Township and Range may be incorrect I was looking on a old map

Submitted By: Jason Solberg **Affiliation:**

Address:

City: **State:** **Zip:**

Received By:

Contact Person: Jason Solberg
151 9th Avenue NW
Valley City, ND 58072

Distance Nearest Occupied Building: 193 Feet

Type of Incident: Tank Leak

Description of Released Contaminant: Approximately 1000 gallons of Aqua Ammonia or 800-1000 Lbs of Anhydrous Ammonia liquid

Volume Spilled: 1000.00 gallons **Ag Related:** Yes

EPA Extremely Hazardous Substance: Yes **Reported to NRC:** Yes

Cause of Incident:

A Drain Hose fell from the bleed off tank and the hose end valve was open causing the entire contents of the tank to flow out of the NH3 Bleed off tank. The Anhydrous Ammonia Bullet was being bleed off for repair of the pumping system. It was being bleed off into a water storage tank as required by The ND Dept of AG

Risk Evaluation:

None

of Fatalities: 0 **# of Injuries:** 0 **Affected Medium:** 03 - soil

Potential Environmental Impacts:

Ground water could be effected if not cleaned up, local grass around the facility are dying

Action Taken or Planned:

The Drain hose has been secured to the top of the bleed off tank with a chain and a paddle lock so no un-authorized releases will occur again

Wastes Disposal Location: After the excavation of the soil it will be tested and then land applied.

Updates

Date: 6/13/2013 **Status:** Reviewed - Follow-up Required

Author: Roberts, Kris

Updated Volume:

Notes:

Release of hydrous ammonia to ground surface/ditch. This report came initially by telephone to K. Roberts. Discussed situation with Jason Solberg, and recommend that after Dakota One Call, excavation be carried out as soon as possible to keep ammonia from penetrating to depth and groundwater. However, from information here and in the NRC flash fax, it appears that as site visit is indicated to further assess the situation.

Date: 6/14/2013 **Status:** Inspection

Author: Roberts, Kris

Updated Volume:

Notes:

6/14/13 - 14:45. Photos - Arrived on site, and talked first by phone with Jason Solberg. He indicated that some inspection and repair was to be done that day, and that the first thing done was lock to hose that allowed the release to the top of the bleed tank. Pat Schwehr arrived and we went over the site. The hose was dropped near the front of the tank and discharged both into the ditch (3-4 feet deep) along the north side of the tank and back under the bleed tank and ammonia bullet. When the water bled off, ammonia gas began releasing and burned some grass on the north side of the ditch. Fire department responded and put about 4,000 gallons of water on the area, greatly diluting the ammonia impacts. Dakota Plains was having a hard time finding a dirt work contractor to respond, but planned to excavate the area between the bullet and the ditch and in the ditch. Photos of the work will be taken. Excavation will be guided by odor, as the ammonia is quite noticeable in impacted soil. Groundwater is not expected to be an issue given the area, and all of the homes and businesses in Sanborn are served by rural water. Department will be notified when restoration is complete. Excavated material will be spread on agricultural ground at agronomic rates.