

General Environmental Incident Summary

Incident: 3952 **Date/Time Notice:** 10/29/2015 13:30 **DEM Incident No:**
Responsible Party: Dakota Gasification Company
Date Incident: 10/29/2015 **Time Incident:** 12:00 **Duration:** 1 hours
County: Mercer **Twp:** 145 **Rng:** 88 **Sec:** 25 **Qtr:**
Lat: 47.35113 **Long:** -101.83140 **Method:** Interpolation from map
Location Description: Dakota Gasification Company

Submitted By: Daniel Whitley **Affiliation:** Dakota Gasification Company
Address: 420 County Road 26
City: Beulah **State:** ND **Zip:** 58523

Received By:

Contact Person: Daniel Whitley
420 County Road 26
Beulah, ND 58523

Distance Nearest Occupied Building: **Release Contained:** No

Type of Incident: Excess SO2 Flaring Emissions

Description of Released Contaminant: sulfur dioxide (SO2)

Volume Spilled: 2600.00 pounds **Ag Related:** No

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

Cause of Incident:

Compressors tripped on CO2 pipeline sending excess waste gas (~1% H2S) to main plant flare. The preliminary flare SO2 estimates from combustion of the H2S to SO2 indicate a permit exceedance (estimate of approximately 2,600 lb SO2 compared to permit limit of 800 lb SO2).

Risk Evaluation:

None.

of Fatalities: **# of Injuries:** **Affected Medium:** 01 - air

Potential Environmental Impacts:

Excess SO2 emissions to atmosphere.

Action Taken or Planned:

None - the main flare is the permitted control device for this gas stream during malfunction, which is what occurred with the compressors tripping.

Wastes Disposal Location:

Agencies Involved:

Updates

Date: 10/29/2015 **Status:** Reviewed - Assigned to NDDoH Division

Author: Souder, Taylor

Updated Volume:

Notes:

Assigned to the Division of Air Quality.

Date: 12/28/2015 **Status:** Reviewed - Assigned to NDDoH Division

Author: Martin, Russell

Updated Volume:

Notes:

Issue resolved by Division of Air Quality Permits Program.