

General Environmental Incident Summary

Incident: 8031

Notice: 4/1/2019

Occurred: 3/31/2019 1829

DEM Incident No:

No Further Action:

Responsible Party: Andeavor Logistics

County: Billings

Twp Rng Sec Qtr: 139 100 10

Lat Long + Method: 46.87609 -103.28300 Interpolation from map

Location Description: Fryburg Rail Terminal
3726 135th Ave SW
Belfield,ND 58622

Submitted By Info: Alan Thompson
500 Old Red Trail NE
Mandan ND 58554

Received By Info:

Contact Info: Michael Blanco
3726 135th Ave SW
Belfield ND 58622

Affected Medium: 09 - other

Near. Occupied Bldg: 4100 Feet

Type of Incident: Tank Leak

Release Contained: Yes

Reported to NRC: No

Contaminant: Ethyl mercaptan

Volume of Release: 250 gallons

Duration of Release:

Agriculture Related: No

EPA Extremely

Hazardous Substance: Unknown

Number of Fatalities: 0

Number of Injuries: 0

Cause of Incident:

Gasket failure on tank manway.

Risk Evaluation:

There are no LEL or IDLH concerns at this moment.

Potential Env. Impacts:

No impact.

Action Taken/Planned:

Spill was contained within the tanks secondary containment. Trucks are enroute to offload tank.

Wastes Disposal Location:

TBD - wastes will be disposed of properly.

Other Agencies Involved:

NDDDES, Local Fire Department, Local Law Enforcement, Local Emergency Manager

Updates

Date: 4/1/2019 **Status:** Reviewed - Follow-up Required

Author: DeVries, Taylor

Notes:

According to the incident report there was a release of ethyl mercaptan. Further follow-up is needed.

Updated Volume: None at the time of this update

Date: 4/3/2019 **Status:** Correspondence

Author: Suess, Bill

Notes:

The Mayor of Belfield expressed concerns as to how citizens would be able to detect an actual natural gas leak in their homes if they can smell the mercaptan from the spill. I spoke with a representative from Montana Dakota Utilities (MDU) and they have staff in the area to investigate any complaint. That information is being forwarded to the Mayor of Belfield.

Updated Volume: None at the time of this update

Date: 4/3/2019 **Status:** Correspondence

Author: Suess, Bill

Notes:

Update from Air quality:

UPDATE:

This spill continues to bring odors to the Belfield/Fryberg area – several calls were received yesterday and last night.

Here is some technical information (note we are confirming the numbers below):

Odor threshold for the mercaptan: 0.4 ppb

Longer term exposure limit: 0.5 ppm for 8 hours (note this is >1000 higher than the odor threshold)
Short term: 2 ppm

Air Quality testing has occurred throughout the area: No test results have shown concentrations above 0.1 ppm (except immediately on site). Odors have been very inconsistent due to winds. Today's wind will blow from the SE @ 15-25 mph so odors should bypass the cities of Belfield and Fryburg (and migrate towards the TRNP). Note that winds were from the west at times yesterday which transported the odors west to Belfield.

Russell Martin is in the area monitoring the situation. He has stated that odors seemed to be fleeting during day as winds diluted the odor. However, last night, odors tended to be more consistent (but not extreme) as wind speeds dropped.

Due to the odor (and especially the pungency of the odor), the public has complained to both City and State officials.

Updated Volume: None at the time of this update

Date: 4/3/2019 **Status:** Correspondence

Author: Suess, Bill

Notes:

Andeavor has stabilized the material with kitty litter and a neutralizing agent. They have begun containerizing the material in drums and estimate that it will be completed this evening (4/3/2019). There will be residual material remaining in the secondary containment that may still emit an odor. They will decontaminate the secondary containment once the material has been removed. Clean Harbors will transport the drums out of state for proper disposal.

Updated Volume: None at the time of this update

Date: 4/5/2019 **Status:** Correspondence

Author: Suess, Bill

Notes:

Material has been containerized and will be removed from the site on Saturday. The drums will be transported to a Clean Harbors facility out of state. Andeavor will continue air monitoring at the site until the drums have been removed. They will continue air monitoring in the community until they are confident no risks associated with this incident remain. The NDDoH will inspect the site to verify that all drums have been removed. This incident did not result in any risks to waters of the state.

Updated Volume: None at the time of this update