

General Environmental Incident Summary

Incident: 1897 **Date/Time Notice:** 3/12/2013 1000 **DEM Incident No:** 13-017

Responsible Party: Steve's Spray On Insulation

Date Incident: 3/12/2013 **Time Incident:** 0940 **Duration:** 2 hours

County: McKenzie **Twp:** 150 **Rng:** 98 **Sec:** 20 **Qtr:** SW SW SW

Lat: 47.79731 **Long:** -103.25120 **Method:** Derived from TRS

Location Description: 1316 - 11th Ave SE, Watford City

Submitted By: DoH Pager DoH

Affiliation:

Address:

City:

State:

Zip:

Received By: Kris Roberts

Contact Person: Milton Bakogiannis
PO Box 623
Watford City, ND 58854

Distance Nearest Occupied Building:

Type of Incident: Fire

Description of Released Contaminant: 2 part spray foam insulation and othe chemicals

Volume Spilled:

Ag Related: No

EPA Extremely Hazardous Substance: Unknown

Reported to NRC: Unknown

Cause of Incident:

Fire ignited during heating of a frac tank to melt interior ice. Fire spread and totally consumed the building.

Approximately 50,000 gallons of fire fighting water was used, much from Missouri Basin Trucking source.

Risk Evaluation:

Cyanide in runoff from the burn site, on 3/14, measured 160 ppm. Human health standard is 140 ppb.

of Fatalities: 0

of Injuries: 1

Affected Medium: 07 - Air, Water, and Soil

Potential Environmental Impacts:

Runoff was not contained during the fire fight, and for 2.5 days after, so although very diluted, there was some chemicals discharged to Cherry Creek and the Little Missouri River. Spring runoff greatly diluted fire fighting runoff. Soil around the building site has been impacted to some degree.

Action Taken or Planned:

2 days after fire extinguished, DoH Miller and Roberts required containment dike around building site to contain further runoff from the debris. While being constructed, spring runoff from the south overflowed road and partially washed debris runoff down road ditch to outfall on Cherry Creek outfall and Little Missouri River. Containment dike completed the evening of 3/14/2013. Samples from upstream of the Cherry Creek outfall was collected at 09:55, and showed only a trace (6 ppb) of cyanide. Sample collected at 12:20 of runoff from south side of building site, which had 160 ppb cyanide. At approximately 14:00, spring runoff overflowed the county road from the south and washed

part of the fire runoff away before dikes across that side could be built-up. By evening of 4/14, substantial diking had been built on the south and west side to channel all runoff from the fields to the south and east away from the burn site. On a visit to the site on 3/20/13, the containment dike had been constructed completely around the burn site. Letter specifying testing and cleanup requirements, under Chief's signature, was mailed on 3/26/13 to Milton Bakogainnis, president of the firm, and a copy is hand delivered on 3/27/13 by Adam Miller.

Wastes Disposal Location: Steel from building is/was being sent to a salvage yard in Sidney, MT. All other impacted media and residue will be sent to Clear Harbors industrial waste landfill in Sawyer, ND if they accept it.

Agencies Involved: NDDDES, State Fire Marshal, Local Fire Department, Local Law Enforcement, Local Emergency Manager

Updates

Date: 3/14/2013 **Status:** Inspection

Author: Roberts, Kris

Updated Volume:

Notes:

Roberts and Miller on location. Collected samples, required containment dike established. Remained until dike on south and SW corner built to divert field runoff back into county road ditches and stop fire runoff from flowing off location. Roberts visited on 3/20 and 3/21 to progress. Containment dike completely around burn site. Owners in process of removing metal debris to salvage yard in Sidney, MT.

Date: 3/27/2013 **Status:** Inspection

Author: Roberts, Kris

Updated Volume:

Notes:

Letter defining steps for required cleanup procedures sent to firm president under EH Chief's signature mailed 3/26/13. Copies e-mailed to McKenzie Co. Auditor Office for print and pick up by Adam Miller to hand deliver. Jerry Samuelson, Co. Emergency manager also picked up a copy. A copy was emailed to Upper Missouri District Health Unit as well.

Date: 12/2/2013 **Status:** Inspection

Author: Roberts, Kris

Updated Volume:

Notes:

Environmental consultant was retained to assess the amount of impact to the site and surrounding soils. The assessment was completed in early summer, and it was determined that the impact was minimal. Site release was given to proceed with rebuilding the business. Some administrative issues remain.