General Environmental Incident Summary

Incident: 3878 ***Date/Time Notice:*** 8/25/2015 1045 ***DEM Incident No:***

Responsible Party: unknown

Date Incident: **10/1/2014** ***Time Incident:*** ***Duration:***

County: Williams ***Twp:*** 155 ***Rng:*** 95 ***Sec:*** 35 ***Qtr:*** SW NW

Lat: 48.20508 ***Long:*** -102.87180 ***Method:*** Navigation quality GPS

Location Description: West side of lease road leading to the Erickson 12x-35 well pad.

Submitted By: Brian O'Gorman ***Affiliation:***

Address: 918 E. Divide Ave

City: Bismarck ***State:*** ND ***Zip:***

Received By:

Contact Person:

unknown

unknown, ND

Distance Nearest Occupied Building: 0.4 Miles ***Release Contained:*** No

Type of Incident: Vehicle Accident

Description of Released Contaminant: **diesel fuel**

Volume Spilled: ***Ag Related:*** No

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

Cause of Incident:

Vehicle accident between a dump hauler and hydrovac or a possible fertilizer leak from farm equipment.

Risk Evaluation:

Possible leaching into groundwater or mixing with surface waters during precipitation events.

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

Potential Environmental Impacts:

Contamination of the Dry Fork Creek Aquifer located below incident location and impacts to domestic wells located .4 miles SE and .8 miles east of the incident location.

Action Taken or Planned:

None taken. Soil and vegetation impacted.

Wastes Disposal Location: NDDoH permitted facility.

Agencies Involved:

Updates

Date: 8/25/2015 ***Status:*** Inspection ***Author:*** O'Gorman, Brian

Updated Volume:

Notes:

Arrived on the location at 17:30. 72 degrees F, partly cloudy, calm. Observed the site, took photos, collected two soil samples for general chemistry and diesel range organics (DRO), and took field electrical conductivity (EC) measurements. Field measurements did not determine any EC results due to dry conditions; however, at the furthest extent the soil was soft enough for the probe to penetrate to a foot depth with EC readings ranging from 2000 microsiemens (ms)/centimeter (cm) to 4600 us/cm. A background was not completed because of soil conditions. The impact to soil and vegetation was obvious due to the dead and yellowed/brown vegetation and some residual petroleum staining of soil and plants in the area. More followup required.

Date: 9/22/2015 ***Status:*** Inspection ***Author:*** O'Gorman, Brian

Updated Volume:

Notes:

Received preliminary sample data from consultant showing levels of chlorides, diesel range organics (DRO), gasoline range organics (GRO), and total petroleum hydrocarbons (TPH) in area affected. Results added to the report folder.

Date: 10/27/2015 ***Status:*** Awaiting Documentation ***Author:*** O'Gorman, Brian

Updated Volume:

Notes:

Received hard copy of NDDoH laboratory analysis from soil sample collected on 8/19/15 in impacted area. GPS coordinates 48.20508, -102.87177. Sample was analyzed for Group 190 analysis. The analysis showed normal levels for chlorides and bromides in the area soils, most likely eliminating the possibility of a produced water release. Analytical results added to the report folder. More followup will be conducted the week of 11/2/15.

Date: 10/27/2015 ***Status:*** Correspondence ***Author:*** O'Gorman, Brian

Updated Volume:

Notes:

Received closure request report from Earth Systems on 10/9/18. Report was reviewed and will be followed up with on-site inspection the week of 11/2/15 for additional information. Report and email added to incident folder.