

# General Environmental Incident Summary

**Incident:** 4181      **Date/Time Notice:** 7/31/2016      **DEM Incident No:**  
**Responsible Party:** High Ball Transport  
**Date Incident:** 7/30/2016      **Time Incident:**      **Duration:**  
**County:** Dunn      **Twp:** 146      **Rng:** 91      **Sec:** 29      **Qtr:**  
**Lat:** 47.44345      **Long:** -102.29170      **Method:** Interpolation from map  
**Location Description:** Heading South toward Halliday, intersection between Highway 8 and 1806

**Submitted By:** Aaron Zitting      **Affiliation:**  
**Address:** 315 Main Street #556  
**City:** New Town      **State:** ND      **Zip:**

**Received By:**

**Contact Person:**

315 Main Street #556  
New Town, ND

**Distance Nearest Occupied Building:**      **Release Contained:** Yes

**Type of Incident:** Vehicle Accident

**Description of Released Contaminant:** Production Water

**Volume Spilled:**

**Ag Related:** No

**EPA Extremely Hazardous Substance:** Unknown

**Reported to NRC:** Unknown

**Cause of Incident:**

Semi and Tank trailer were headed South down Highway 8, Automobile turning left on to Highway 8 pulled out of Semi (automobile running the stop sign). Semi pulls to the right off the road to avoid collision. Semi then rolls indenting a hole in tank and releasing production water.

**Risk Evaluation:**

None

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

**Potential Environmental Impacts:**

soil impact, small pond water impact

**Action Taken or Planned:**

Soil Excavation, Clean up

**Wastes Disposal Location:**

**Agencies Involved:**

## **Updates**

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**Date:** 7/31/2016    **Status:** Inspection

**Author:** Souder, Taylor

### **Updated Volume:**

#### **Notes:**

Arrived at 1300. A semi was cut off by another vehicle at the intersection of highways 1806 and 8, causing the tanker to tip and slide into the east ditch. The tanker released production water which ran down the ditch about 300 feet to a culvert. It went through the culvert and entered a wetland and cattle pond area. There were puddles of production water from the point of the spill to the culvert, but there were no running fluids. The culvert had been blocked off with sand. The east end of the culvert was dry, while the west side of the culvert near the pond had about 1.5 feet of water in it. A Group 190 sample was taken at this culvert. Chloride test strips also showed very high chloride readings. Photos can be found in the report folder. Further follow-up on remediation is necessary.

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**Date:** 7/31/2016    **Status:** Reviewed - Follow-up Required

**Author:** O'Gorman, Brian

### **Updated Volume:**

#### **Notes:**

According to the report, a truck accident released production water onto soils and water along Highway 8. More follow-up needed.

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**Date:** 8/1/2016    **Status:** Inspection

**Author:** O'Gorman, Brian

### **Updated Volume:**

#### **Notes:**

Arrived on location at 17:00. 83 degrees F, sunny, north wind 5-10 mph. Met with semi-truck owner and environmental consultant. Observed the site and took photos. It appeared that the initial release area occurred approximately 200 feet south of a culvert (downgradient to north), which drained west into a wetland on the west side of Highway 8. Vegetation along the east side of the road ditch appeared to be yellowing, stressed and dying in an area approximately 200 feet in length by 20 to 40 feet wide. Soil conductivity probes showed elevated electrical conductivity (EC) values in the stressed vegetation areas. An earthen dike with liner had been constructed at the culvert to prevent additional movement of the production water through the culvert. Water samples were collected from water at the west end of the culvert under the road (47.4431, -102.29263). Chloride strips showed 6536 parts per million (ppm) chlorides at the exit point of the culvert. Truck owner and consultant planned to begin excavating impacted soils and remove impacted waters from west side of road. After excavation, they will document soils and water quality data from the wetland. More follow-up needed.

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**Date:** 11/29/2016 **Status:** Correspondence

**Author:** Souder, Taylor

**Updated Volume:**

**Notes:**

Lab results were received and put in the report folder. The culvert to the stock dam has a chloride reading of 34,300 parts per million (ppm). Further follow-up is needed.

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**Date:** 11/30/2016 **Status:** Correspondence

**Author:** O'Gorman, Brian

**Updated Volume:**

**Notes:**

Received hard copy results of water samples collected at stock pond north of 2nd Street NW at GPS coordinates 47.444268, -102.293373. Sodium very high at 1120 milligrams per liter (mg/l), sulfates very high at 2350 mg/l and hardness very high at 525 mg/l. Production water indicators -- chlorides showed 36.1 mg/l, and bromides showed no-detect. It appears the release did not impact this stock pond. Lab results added to incident folder. Waiting for environmental consultant remediation report. More follow-up needed.