

# General Environmental Incident Summary

**Incident:** 5205      **Date/Time Notice:** 8/22/2016      1235      **DEM Incident No:**  
**Responsible Party:** MouGranSou Electric Coop  
**Date Incident:** 8/21/2016      **Time Incident:** 1030      **Duration:** 15 minutes  
**County:** Morton      **Twp:** 139      **Rng:** 81      **Sec:** 17      **Qtr:**  
**Lat:** 46.85491      **Long:** -100.92570      **Method:** Interpolation from map  
**Location Description:** MorGranSou NW Mandan Substation - enter NISC north parking lot and meander over to parking area on north side of BSC Lineman School building.

**Submitted By:** Kathleen Spilman      **Affiliation:** Keitu Engrs & Consultants  
**Address:** 1403 27th St NW  
PO Box 98  
**City:** Mandan      **State:** ND      **Zip:** 58554

## Received By:

**Contact Person:** Robert Kelly  
2816 37th St NW  
Mandan, ND 58554

**Distance Nearest Occupied Building:** 180 Feet      **Release Contained:** Yes

**Type of Incident:** Electrical Equipment Failure

**Description of Released Contaminant:** Transformer Oil (refined distillate oil) NON-PCB

**Volume Spilled:** 38.00 gallons      **Ag Related:** No

**EPA Extremely Hazardous Substance:** No      **Reported to NRC:** No

## Cause of Incident:

High voltage recloser located in an electrical substation overhauled and broke open container. Oil mist sprayed on adjacent equipment and leaked to ground. Actual component in the recloser which failed will be determined after item is removed from location, and opened for further inspection to identify actual component in the equipment which failed.

## Risk Evaluation:

No fire. No immediate risks expected. Almost all oil remained within confines of fenced sub station. A very light amount of oil reached dirt road on east side of substation. Oil was high flash point refined distillate. NonPCB oil.

**# of Fatalities:** 0      **# of Injuries:** 0      **Affected Medium:** 03 - soil

## Potential Environmental Impacts:

No long term environmental impacts expected due to small amount of refined oil dispersed over 100 ft x 80 ft area. No surface water in area.

## Action Taken or Planned:

Adjacent Equipment rinsed with aqueous solution of biodegradable "Simple Green" degreaser completed 8/22/16. Microblaze(R) will be applied to area 8/22/16. Area will be visually monitored monthly by operations staff for improvement. Keitu Engineers & Consultants will prepare summary report including photos of site to be submitted to NDDH.

**Wastes Disposal Location:** Microblaze(r) will be applied to bioremediate in place.

**Agencies Involved:**

**Updates**

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**Date:** 8/22/2016    **Status:** Reviewed - Assigned to NDDoH Division

**Author:** Schiermeister, Robin

**Updated Volume:**

**Notes:**

Forwarded to NDDoH Division of Waste Management.