

Oil Field Environmental Incident Summary

Incident: 20160404155954 **Date/Time of Notice:** 04/04/2016 15:59

Responsible Party: Turner Energy Services

Well Operator:

Well Name: Watford City Gas Plant

Field Name:

Well File #:

Date Incident: 4/4/2016 **Time Incident:** 12:00

Facility ID Number:

County: MCKENZIE

Twp: 151

Rng: 102

Sec: 6

Qtr: SE SE

Location Description: Load-out area of Watford City Gas Plant, in at the SE part of the plant.

Submitted By: Terry Gibson

Received By:

Contact Person: Diane Hampton
#17 9th St East
Fairview, MR 59221

General Land Use: Well/Facility Site

Affected Medium: Well/Facility Soil

Distance Nearest Occupied Building: 283 Feet

Distance Nearest Water Well: 425 Feet

Type of Incident: Truck Overflow

Release Contained in Dike: Yes - On Facility Site

Reported to NRC: No

	Spilled	Units	Recovered	Units	Followup	Units
Oil						
Brine						
Other	5	Barrels				

Description of Other Released Contaminant:

Natural gas liquid

Inspected:

Written Report Received:

Clean Up Concluded:

Risk Evaluation:

Site personnel monitored the area, determining that a low risk existed for site and contractor personnel.

Areal Extent:

The spill remained on site within the confines of the load-out area.

Potential Environmental Impacts:

There is a low risk of impacts to surface water or groundwater. The soil was impacted but to a limited depth due to the compacted nature of the area. The impacted area is limited in size and remained on the facility, within the load-out area and remediation of the impacted soil is underway (or will be by

Action Taken or Planned:

Upon discovery of the overfill condition Kinder Morgan personnel alerted the truck driver and began closing valves to stop the flow of liquids into the tanker truck.

Clean up activities include allowing the evaporation of the volatile liquid, to be followed up with removal of impacted soils.

The load-out area was temporarily closed (all personnel in the area were evacuated and potential ignition sources removed or turned off) until the spilled liquids had evaporated and the area air monitoring confirmed that there was no risk of explosive atmosphere, or health hazards associated with the spill.

Kinder Morgan has posted written procedures in place to prevent this type of event, which was attributed to human error. Kinder Morgan personnel remain vigilant to the potential of human error and initiated the response to this spill.

Turner Energy Services has a "3 strikes and your out" (your fired) policy currently, with this type of event being 2 strikes. This policy tends to greatly reduce the human error in this type of activity (not eliminate it).

Wastes Disposal Location: The recovered impacted soil will be disposed of in a state approved landfill, after analysis indicates that it meets disposal criteria.

Agencies Involved:

Updates

Date: 4/4/2016 **Status:** Reviewed - Follow-up Required

Author: Crowdus, Kory

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Release at a non-exempt E&P facility. Follow-up is required.

Date: 4/20/2016 **Status:** Inspection

Author: O'Gorman, Brian

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on location at 15:30. 65 degrees F, sunny, west wind 0-10 mph. Spoke with the plant manager who escorted me to the release location. Observed the location and took photos. The area that had been impacted was evident due to the area showing less material than the surface. No petroleum staining or petroleum odor was evident in the excavation areas or nearby. Recent rainfall puddled some of the area and showed no petroleum sheen. A composite sample was collected from the area and will be forwarded to the NDDoH. Further follow-up needed.

Date: 4/25/2016 **Status:** No Further Action Requested

Author: O'Gorman, Brian

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Emailed a No Further Action letter to the company representative. Added to folder.

Date: 4/25/2016 **Status:** Correspondence

Author: O'Gorman, Brian

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Brian O'Gorman sent a No Further Action letter dated April 25, 2016.

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Received an email with analytical results from the area impacted by the release. Results showed benzene, toluene, ethylbenzene, and xylenes (BTEX) as no detect, gasoline range organics (GRO) as 20.6 milligrams/kilogram (mg/kg), and diesel range organics (DRO) as 150 mg/kg. Although the DRO result is above the recommended 100 mg/kg, a 4/20/16 inspection did not show any petroleum staining of the loading surface. Volatilization of the product may have occurred between the time of sampling and inspection date. Recommend no further follow-up needed. Email and sample results added to folder.