# **General Environmental Incident Summary**

Incident: 5350	Notice: 3/23/2017 1000 Occurred: 3/21/2017 1130
DEM Incident No:	No Further Action:
Responsible Party:	Amerada Hess Corporation
County:	Williams
Twp Rng Sec Qtr:	158 95 25
Lat Long + Method:	48.48773 -102.90640 Interpolation from map
Location Description:	TIOGA-MADISON UNIT G-135 - Corner of 103rd Ave. NW and 74th ST NW
Submitted By Info:	Alberto Yates
	HESS - EHS
	3015 16th St SW
	Suite 20
	Minot ND 58701
Received By Info:	
Contact Info:	Troy Brunsell
	1501 McKINNEY
	HOUSTON TX 77010
Affected Medium:	04 - water and soil
Near. Occupied Bldg:	1 Miles
Type of Incident:	Pipeline Leak
Release Contained:	No
Reported to NRC:	No
Contaminant:	PRODUCED WATER
Volume of Release:	29.219 barrels
Duration of Release:	1 hours
Agriculture Related:	No
EPA Extremely	
Hazardous Substance:	Unknown
Number of Fatalities:	0
Number of Injuries:	0
Cause of Incident:	
Valve Leak - The leak discovery is around a buried valve setting at the Ten-Horn.	

**Risk Evaluation:** 

There is no immediate risk to report at this time.

#### Potential Env. Impacts:

The release covered an area of 25'x105' off site in a natural drainage area leading toward a slough on the east side of location. This area is Jurisdictional wetland regulated by the US Fish and Wildlife.

## Action Taken/Planned:

The release covered an area of 25'x105' off site in a natural drainage area leading toward a slough on the east side of location. A cleanup crew was immediately dispatched to erect a temporary clay berm to prevent (further) runoff into the neighboring slough, and a vacuum truck was dispatched to vac up the pooled water remaining in the drainage area. At this time it is undetermined whether the slough water has been contaminated, but an environmental team has been contacted to conduct sampling and testing, and an emergency one call has been placed to begin cleanup. The release will be cleaned up and affected material will be properly disposed of at an approved waste handling facility.

#### Wastes Disposal Location:

Recovered waste will be disposed of at PDI/R360.

Other Agencies Involved:

USFWS

# **Updates**

Date: 3/23/2017 Status: Reviewed - Follow-up Required

Author: O'Gorman, Brian

## Notes:

Release, due to a valve leak, was not contained and impacted an area off site according to the report. Further follow-up needed.

**Updated Volume:** None at the time of this update

Date: 3/24/2017 Status: Inspection

Author: Kannenberg, Derek

## Notes:

On site 1500 CT. 49 degrees F. Partly Cloudy.

No workers onsite. Release appears to have flowed off east side of pad towards a wetland. There are pools of standing water in impacted area that maxed out a HR chloride strip (>6,000 ppm). Running water leading to road ditch appears to be melt water from ice on pad. Low range chloride strip registered < 50 ppm Cl. Some oil staining in affected area, in addition to gray vegetation. Chloride strip at point of possible entry registered 270 ppm. Samples taken at possible entry point (Site 2: 48.487516, -102.905537) and from opposite side of slough (Site 1: 48.486607, -102.904151). Follow-Up required after sample results. No photos taken.

**Updated Volume:** None at the time of this update

Date: 3/27/2017 Status: Awaiting Documentation

Author: O'Gorman, Brian

## Notes:

Added custody record for 3/23/2017 water sample collection to incident folder. More follow-up needed.

Updated Volume: None at the time of this update

Date: 3/30/2017 Status: Inspection

Author: Stockdill, Scott

Notes:

Arrived on location 12:54, 3/30/2017.

Spill released to the east of the wellpad leading down drainage toward wetland. Large amount of soil has been excavated and disposed of. Cleanup contractor has been field screening site; no indication of contamination of wetland to the south.

More follow-up is necessary to ensure proper cleanup.

Date: 8/2/2017 Status: Correspondence

Author: O'Gorman, Brian

# Notes:

Received hard copy results from water sample collected by NDDoH inspector on 3/23/2017. Results showed sodium to be very high at 257 mg/L, chlorides to be very high at 546 mg/L and bromides at 1.73 mg/L. Results added to incident folder. Further follow-up needed.

**Updated Volume:** None at the time of this update

Date: 8/7/2017 Status: Inspection

Author: Crowdus, Kory

## Notes:

On location 8/7/2017, at 11:29am. Weeds and bare ground remain in the impacted area. A dirt berm is in place near the edge of wetland area. A water sample was collected near the bermed area of wetland. Further follow-up is required.

Updated Volume: None at the time of this update

## Date: 3/19/2018 Status: Correspondence

Author: O'Gorman, Brian

## Notes:

Received hard copy results from a water sample collected by Kory on 8/7/2017 at the edge of the wetland. Lab results show very high readings of sodium (9340 mg/L), chlorides (19,300 mg/L) and bromides (65.8 mg/L). Results added to the incident folder. Further follow-up needed.

Updated Volume: None at the time of this update

*Date:* 4/4/2018 *Status:* Correspondence

Author: O'Gorman, Brian

## Notes:

Received an email from the company contact on 4/3/2018 with an explanation for additional work at the site and a site map showing sample points and release areas. The email states that they are proposing additional excavation east of the well pad, due to affected vegetation and impacted soils remaining. The contact refers to a June 28, 2017 Supplemental Site Assessment Work Plan (SSAWP) that was sent on 6/29/2017. A review of the SSAWP report shows that they were addressing the April 2016 release. This incident occurred in March of 2017 in approximately the same area as the 2016 release. Since this is the most recent release in approximately the same area, the SSAWP will be added to this incident folder and the 2016 release (oilfield incident # 20160406093600) will be referred to this incident.

Date: 6/12/2018 Status: Inspection

Author: O'Gorman, Brian

# Notes:

Arrived on location at 15:40. Observed the site and took photos. It appeared that the vegetation was returning near the wetland west edge. However, it still appeared that some of the soils near the wetland contained salt deposits in the soil. Photos added to the incident folder. More follow-up needed.

Updated Volume: None at the time of this update

Date: 6/28/2019 Status: Correspondence

Author: O'Gorman, Brian

## Notes:

Received an email from the company's consultant discussing the assessment activities and containing attachments showing the location, plan, excavation areas, surface water analytical, soil analytical, groundwater analytical, proposed well locations and tables. The email discusses adding 3 monitoring wells, sampling and 1 air sparge well near MW-1. The attachments show continued saltwater impacts to the surface water of the wetland and to the groundwater east of the site. Further follow-up needed. Email and attachment added to the incident folder.

Updated Volume: None at the time of this update

Date: 12/22/2020 Status: Correspondence - More Follow-up Required

*Author:* DeVries, Taylor

## Notes:

A meeting is scheduled with Hess in January. Will request the 2019 and 2020 groundwater sampling results. Further follow-up is needed.

Updated Volume: None at the time of this update

Date: 9/16/2021 Status: Inspection - More Follow-up Required

Author: DeVries, Taylor

#### Notes:

Inspection Date: 9/16/2021

Arrived on location at 1815. There are bare patches of vegetation visible within the monitoring wells. Groundwater monitoring continues at this location. Further follow-up is needed.

Photos were taken and can be found in the incident folder.

Date: 8/2/2022 Status: Inspection - More Follow-up Required

Author: Suess, Bill

## Notes:

Inspected the site on 7/26/2022. Arrived on site at 11:35 AM and Earth Systems was just setting up to sample the monitoring wells. Most of the area is looking healthy with the exception of a few bare spots off the well pad. Discuss sample results and plans with the RP at the August 15, 2022 meeting.

Updated Volume: None at the time of this update

Date: 12/13/2022 Status: Correspondence - More Follow-up Required

Author: Suess, Bill

## Notes:

Met with the RP to discuss a more aggressive approach to the remediation. A work plan will be developed over the winter months for implementation in the spring.

**Updated Volume:** None at the time of this update

Date: 2/7/2023 Status: Correspondence - More Follow-up Required

Author: Suess, Bill

Notes:

Will meet with the RP in early March to discuss a path forward.