

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Blacktail Creek Spill - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VIII

Subject: POLREP #7
Final Polrep
Blacktail Creek Spill
Z8FN
Marmon, ND
Latitude: 48.3872474 Longitude: -103.6560305

To:
From: Steven Way, On-Scene Coordinator
Date: 5/17/2016
Reporting Period: April 2015 to May 2016

1. Introduction

1.1 Background

Site Number:	Z8FN	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	OPA	Response Type:	PRP Oversight
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	1/23/2015	Start Date:	1/8/2015
Demob Date:		Completion Date:	5/17/2016
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:	E15805	Reimbursable Account #:	

1.1.1 Incident Category

Emergency Response – OPA Removal and CERCLA Removal Assessment

1.1.2 Site Description

The response action underway by the RP follows a reported 70,000 barrel release of produced water including oil from a 4 inch pipeline that conveys produced water from a reported 37 (note corrected number) oil well pads to a disposal well. The release impacted a small creek (Blacktail Ck) a tributary to the Little Muddy River north of Williston, ND. Reportedly the potential line break was discovered on January 6, 2015, and the line was shut-down. No volume of discharge was reported in the original NRC report on January 7th.

1.1.2.1 Location

The site is located approximately 17 miles north of Williston near Marmon, ND. The produced water collection pipeline break occurred in an open field approximately 300 feet from Blacktail Creek.

1.1.2.2 Description of Threat

Impacts to surface water quality observed as far as the Little Muddy River near the confluence with the Missouri River.

Groundwater contamination continues to be present in the form of high chloride and hydrocarbon levels above state water quality standards. Domestic wells are located downstream, east of Hwy 85 at the nearby residents. These wells are reportedly shallow drinking water wells.

1.1.2.3 Site Evaluation Results

Follow up inspections performed by the North Dakota Department of Health in May of 2016 found no presence of oil on the surface water based on visual observations.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

Response operations by the RP continued during the reporting period including pumping of contaminated alluvial groundwater from the interceptor trench / sump system and oil recovery from the surface water. Oil assessment activities along the banks of the creek were also conducted including routine surface water and ground monitoring well sampling.

State oversight continued during this period.

2.1.2 Response Actions to Date

- Oil removal activities were generally completed in 2015 with monitoring conducted to assess for residual oil discharge to the surface water.
- Groundwater recovery operations continue under state oversight to recovery high chloride and hydrocarbon impacted ground water within the alluvial aquifer near the creek.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Oversight of the cleanup operations will continue to be performed by the NDDOH.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Oil					recycle
Brine/Produced Water					UIC
soil					Landfill

2.2 Planning Section

2.2.1.1 Planned Response Activities

Continue recovering groundwater from the interception trenches and sumps. No further oil recovery on surface water is planned.

2.2.1.2 Next Steps

NA

2.2.2 Issues

None

2.3 Logistics Section

NA

2.4 Finance Section

2.4.1 Narrative

NA

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

NA

3.2 Cooperating Agencies

USFWS
DOI
USACE

4. Personnel On Site

Unknown

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

6.2 Reporting Schedule

None

7. Situational Reference Materials

No information available at this time.

POLREP #7 Last Updated 5/3/2017