

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Provo Canyon Crude Oil Spill - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VIII

Subject: POLREP #3
Final PolRep
Provo Canyon Crude Oil Spill
Z8FW
East of Provo, UT
Latitude: 40.3564155 Longitude: -111.5770314

To: Laura Williams, EPA
David Ostrander, EPA

From: Joyel Dhieux, OSC

Date: 2/19/2016

Reporting Period: December 4, 2015 - December 31, 2015

1. Introduction

1.1 Background

Site Number:	Z8FW	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	OPA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	11/28/2015	Start Date:	11/28/2015
Demob Date:	12/4/2015	Completion Date:	12/31/2015
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:	E16802	Reimbursable Account #:	

1.1.1 Incident Category

Oil Spill Emergency Response

1.1.2 Site Description

At approximately 10:15 am Saturday, November 28, 2015, a crude oil truck overturned in Provo Canyon releasing its load. The truck carried waxy crude from the Uinta Basin, and the oil solidified along the drainage and in the Provo River. An estimated 1,000 - 1,200 gallons of crude flowed into the Provo River.

The spill occurred approximately 3/4 - 1 mile upstream from the Olmstead Diversion Dam. The Diversion Dam provides drinking water supplies for Orem, Provo and Salt Lake City. The Central Utah Water District was promptly notified, and they closed their intake approximately 30 minutes before the first observation of oil. The water district withdrew water from an alternative source during the spill response. The water district also deployed boom which successfully captured much of the oil. Thanks to the quick thinking and quick actions of the first responders and the Central Water District, the impacts from the spill were substantially reduced.

1.1.2.1 Location

Near Mile Marker 13 on Highway 189 in Provo Canyon, Utah County, Utah

1.1.2.2 Description of Threat

Oil has entered waters of the United States.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The tanker wreck caused the discharge of approximately 4,500 gallons of crude oil (the entirety of the load) to the road shoulder and stream bank of the Provo River. Savage Oil later revised the estimate to approximately 3,500 gallons spilled. It is estimated that 1,000-1,200 gallons of the Uinta crude oil entered the Provo River. Local officials with the Utah County Sheriff's Department and the North Fork Fire Protection District were quick to notify downstream water users and to bring in an environmental contractor (EnviroCare) to berm the crash site and to deploy boom in the Provo River. The oil was diverted away from

the nearest water intake, the Olmstead Diversion Dam. This Diversion Dam was shut down and defensive measures were deployed. There were no reports of impacts from further downstream water users.

Due to the cold weather and water temperature, along with the waxy nature of the Uinta crude, the oil largely congealed into soft solid chunks. This greatly slowed the spread of the oil, but it did eliminate the use of vacuum trucks in oil recovery. Crews physically raked and lifted the congealed oil by hand from behind the collection booms.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

Local responders took quick steps to secure the scene and limit the spread of oil. The wrecked tanker was removed from the scene. On November 29, 2015 workers began removing contaminated soil from the crash scene, as well as chunks of oil from the Provo River at two collection points. All water intakes on the Provo River downstream of the spill were shut down, with alternative sources brought on-line.

Personnel from the UDEQ Water Program, along with OSC Dhieux, collected water samples from the Provo River on November 28 and 29, 2015. Central Utah Water District also collected water samples. The water sample results were low and/or non-detect for oil-related constituents.

The Provo River is valued as a blue ribbon fishery and is a highly used recreational area. In this section of the river, there are numerous families of beaver and muskrat. No impacts to wildlife or fish were observed. This is not surprising, given the waxy nature of the crude oil which has solidified in the cold water into flakes and chunks.

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

Savage Services, Inc. of Midvale, Utah, is the Responsible Party. They have representatives on-scene.

2.2 Planning Section

2.2.1 Anticipated Activities

Oil collection continued through mid-December 2015, with the majority of the cleanup completed by December 7, 2015. The boom will remain in place through Spring 2016 to collect any oil that might have been stuck in the ice or vegetation. The amount of oil remaining in the river is expected to be minimal.

On December 3-4, 2015, Savage received approval to close one lane of the highway. The road closure allowed for safe removal of oil stained soil and vegetation adjacent to the road at the spill site. In addition, the storm water sewer was cleaned and washed by hand. Pacific West conducted the cleanup of this area of the spill.

In addition, Envirocare deployed several crews in boats along the river banks to collect oil. There were small areas along the banks with stranded flakes of oil. With several crews working, the majority of this oil was collected by December 7, 2015. Envirocare was also able to successfully collect oil that had been stranded in ice during a brief warm weather period on December 10-11, 2015.

2.2.2 Issues

The water intake was reopened beginning December 4, 2015, after the majority of the oil had been collected. There are no further issues remaining.

2.3 Logistics Section

Not Applicable

2.4 Finance Section

2.4.1 Narrative

An EPA OSC and ERRS crew mobilized to the spill scene on 11/28/2015. However, local and RP efforts are successfully mitigating spill impacts, so the ERRS crew was demobilized on 11/29/2015.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$20,000.00	\$3,095.00	\$16,905.00	84.53%
Intramural Costs				
USEPA - Direct	\$5,000.00	\$4,231.78	\$768.22	15.36%
USEPA - InDirect	\$2,000.00	\$787.11	\$1,212.89	60.64%

Total Site Costs	\$27,000.00	\$8,113.89	\$18,886.11	69.95%
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* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

NA

2.5.2 Liaison Officer

NA

2.5.3 Information Officer

NA

3. Participating Entities

3.1 Unified Command

UDEQ, EPA and Savage were in Unified Command

3.2 Cooperating Agencies

Central Utah Water

U.S. Fish and Wildlife

4. Personnel On Site

All personnel have demobilized. Savage Oil will continue to periodically monitor the site through spring.

5. Definition of Terms

None.

6. Additional sources of information

6.1 Internet location of additional information/report

Please visit www.epaosc.org/provorrivercrudeoil

6.2 Reporting Schedule

This is the Final PolRep; no additional reports are anticipated.

7. Situational Reference Materials

None

POLREP #3 Last Updated 3/9/2016