

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
CHS Tank Truck Spill - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region X

Subject: POLREP #3
CHS Tank Truck Spill
E15007
Republic, WA
Latitude: 48.3379200 Longitude: -118.7494500

To: Chris Field, EPA Region 10 (POLREP List)
Calvin Terada, EPA Region 10 (POLREP List)
Don Hurst, Colville Tribes

From: Greg Weigel, OSC

Date: 5/27/2015

Reporting Period: 5/25/2015 - 5/27/2015

1. Introduction

1.1 Background

Site Number:	E15007	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	OPA	Response Type:	Emergency
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	5/19/2015	Start Date:	5/19/2015
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	Colville Confederated Tribes
FPN#:	E15007	Reimbursable Account #:	

1.1.1 Incident Category

OPA Emergency Response

1.1.2 Site Description

Please refer to POLREP 1.

1.1.2.1 Location

WA State Route 21, mile marker 136.6. Approximately 35 miles south of Republic, WA. Latitude N48.33792, Longitude -118.74945

1.1.2.2 Description of Threat

Please refer to POLREP 1.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Please refer to POLREP 1.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

OSC Zavala demobilized on 5/26/2015. OSC Weigel remobilized from Boise 5/26/2015.

2.1.2 Response Actions to Date

5/25/2015

Installed monitoring well #11 at the northern end of the site on the eastern portion of Highway 21.

Finished collecting first round of ground water samples of wells.

Continued ground water level, product level, and VOC vapor monitoring of wells to evaluate migration of gasoline plume.

Continued the excavation of contaminated soil from the ditch at the spill location.

Collected another round of surface water quality samples.

Continued monitoring of boom deployed in the Sanpoil River for the presence of petroleum contamination.

Air monitoring along the bank of the Sanpoil River continue to show the presence of VOCs vapors but no visible product or sheen in the bank, river or absorbent boom.

Mobilized two 10,000 gallon tanks to the WSDOT yard 2 miles south of the spill for storage of contaminated groundwater.

5/26/2015

Mobilized an 8,000 gallon tank for storage of recovered product and contaminated ground water adjacent to the spill location, with the approval of WSDOT for its location with respect to traffic passing by. Installed a submersible pump in RW-10, began extracting contaminated ground water, and began populating pump test data to further understand the preferential pathway for the gasoline and diesel spill to potentially reach the Sanpoil River.

Mobilized additional traffic control equipment and personnel in order to perform continuous operations through the night.

Continued to employ a vacuum truck to remove free product and contaminated groundwater from wells RW-3, RW-5, and RW-9.

Continued air monitoring along the bank of the Sanpoil River continue to show the presence of VOCs vapors but no visible product or sheen in the bank, river or absorbent boom.

5/27/2015

Mobilized two 21,000 gallon tanks for the storage of recovered product and contaminated ground water.

Continued to remove product and contaminated groundwater from RW-10 on a 24 hour basis. An estimated 750 gallons of product has settled from the first 10,000 gallons of contaminated groundwater collected, with an estimated total of 28,000 gallons of contaminated liquids stored pending transportation for disposal.

Continued to employ a vacuum truck to remove contamination from wells RW-3, RW-5, and RW-9 on a periodic basis. Extraction from RW-3 and RW-5 on the east side of Highway 21 requires complete closure of the highway which can only be done for 20 minute intervals per WSDOT approval.

Continued air monitoring along the bank of the Sanpoil River continue to show the presence of VOCs vapors but no visible product or sheen in the bank, river or absorbent boom.

Continued traffic control with one lane of Highway 21 closed through the site.

EPA and Colville Tribes reviewed draft Interim Action Work Plan developed by CHS Inc. contractor for continued near-term actions necessary to mitigate continued progression of the gasoline plume to the Sanpoil River and maximize recovery of spilled gasoline from groundwater and soils.

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

PRP is the trucking company, CHS, Inc.,

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

Implementation with the approval of EPA, CCT, and CHS of the Interim Action Work Plan developed by GeoEngineers (subcontractor for CHS).

Recover liquid and vapor phase product as feasible from the monitoring wells RW-3, RW-5, RW-9, RW-10 and any other wells if/when detected.

Collect ground water samples of wells where product is not detected.

Monitor boom and river for sheen or discharge.

Collect surface water quality samples.

2.2.1.1 Planned Response Activities

OSC Greg Weigel and START contractor plan to demobilize on 5/28, but will be available via telephone and e-mail if needed. OSC Earl Liverman plans to perform a site walk early next week to ensure site activities are going as agreed upon and planned.

2.2.1.2 Next Steps

Evaluate information from pump tests of monitoring/recovery wells and borehole log data and determine groundwater flow direction and preferred product migration pathways.

Continue extraction of product contamination in impacted monitoring/recovery wells.

Conduct pilot test for soil vapor extraction system.

Finalize the Interim Action Work Plan.

2.2.2 Issues

Removal of contaminated soils underneath highway would require closure of the highway for significant period of time and coordination with DOT.

2.3 Logistics Section

Communications at the site has been limited to the EPA Region X Comms Truck via the satellite network. The EPA Comms Truck is demobilizing on 5/28.

2.4 Finance Section

2.4.1 Narrative

Issued START TDD for \$30,000

Issued PRFA with Colville Tribes for \$50,000 for sampling, monitoring and technical support.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
PRFA w. Colville Tribes	\$50,000.00	\$20,000.00	\$30,000.00	60.00%
START	\$30,000.00	\$25,000.00	\$5,000.00	16.67%
Intramural Costs				
USEPA - Direct	\$10,000.00	\$8,000.00	\$2,000.00	20.00%
Total Site Costs	\$90,000.00	\$53,000.00	\$37,000.00	41.11%

* 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

No information available at this time.

3. Participating Entities**3.1 Unified Command**

EPA
CHS Inc.
Colville Confederated Tribes

3.2 Cooperating Agencies

U.S. Fish and Wildlife Service
WA DOT

4. Personnel On Site

As of 5/27/2015:
EPA OSC - 1
EPA START Contractor - 1
CHS Inc. - 0
Colville Confederated Tribes - 1
Colville Tribes contractor, Fulcrum Environmental - 3
PRP Contractor, Able Cleanup Technologies - 13
PRP Contractor, Geo Engineers - 4

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.