

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Odessa Biodiesel Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region X

Subject: POLREP #3
Final
Odessa Biodiesel Site
10NV
Odessa, WA
Latitude: 47.3341407 Longitude: -118.6953093

To:
From: Michael Sibley II, OSC
Date: 3/23/2015
Reporting Period: 3/23 - 3/27/2015

1. Introduction

1.1 Background

Site Number:	10NV	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	CERCLA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:		Operable Unit:	
Mobilization Date:	3/17/2015	Start Date:	3/16/2015
Demob Date:	3/27/2015	Completion Date:	3/28/2016
CERCLIS ID:	WAN001001366	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

CERCLA Incident Category: Inactive Production Facility

1.1.2 Site Description

The site encompasses approximately 4 acres and consists of a large facility building and exterior tanks. The site is a former biodiesel production facility that was abandoned in June, 2014. It is owned by Odessa Public Development Authority (ODPA) and was leased to Transmessis Columbia Plateau, Inc for their biodiesel production operations. The building is in an industrial area, but is located in the town of Odessa, and commercial and residential areas are nearby (<1000ft). Crab Creek is located to the south and west of the site. The interior of the building contains several large process tanks and chemical totes. Several tanks and totes are leaking and in poor condition. Several incompatibles are also stored together.

1.1.2.1 Location

The site is located at 206 W Railroad Street, Odessa WA (47.334154, -118.695334).

1.1.2.2 Description of Threat

There are several chemicals on site that were initially involved in various processes of biodiesel production. Known chemicals at this time are (methanol, sodium methylate, glycerin, sulfuric acid, sodium hydroxide). There are large quantities of methanol (35,000 gal), sodium methylate (1000 gal) and glycerin (4,000 gal) in large tanks. Totes of sulfuric acid were found leaking and releasing to the floor of the facility. Valves on storage tanks appear to be corroding and have crystals forming.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On March 3, 2015, Jerry French, with the Department of Ecology, conducted a visual inspection of the exterior of the property. Due to his findings, he requested EPA assistance in touring the facility. Mr. French performed an inspection of the interior of the building on March 10, 2015. EPA, START and ERRS assessed the facility on March 12, 2015. The combined assessments found ~1000 chemical containers ranging from large Above-ground Storage Tanks (AST) to totes and buckets in various states of integrity. It was determined that EPA, START and ERRS would mobilize on 3/17/2015 to stabilize and mitigate the hazards at the site.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA, START and ERRS arrived on site 3/17/2015 to receive the keys to the facility and began setting up for work operations. ERRS has contracted with Stericycle for disposal of the chemicals.

ERRS completed opening tanks and assessing the contents. START provided sampling and HazCat support to assist in disposal characterization. Stericycle Lab Packed loose chemicals found in the lab and around the facility. Product samples were taken to support enforcement activities by START. Whole Energy contracted to recycle some of the remaining products.

To date, 16 trucks have left the site with chemicals/wastes. EPA, START and ERRS demobilized from the site on 3/27/2015

2.1.2 Response Actions to Date

03/17/15

Mobilization of EPA, START & ERRS to site for planning and preparation for site activities.

03/18/15

ERRS began removal of lab pack chemicals and assessment of large tanks for quantity/contents. START performed Hazard Categorization analysis on unknown wastes. START generated a site specific sampling plan to collect samples that will be sent to the laboratory for analysis.

03/19/25

ERRS bulks and stages waste streams by profile. ERRS continues to assist START in accessing tanks for sampling. START continues to inventory and perform hazard categorization on samples to assist in disposal. Seventeen samples are collected to be sent to laboratory.

03/20/15

START continues to inventory and perform hazard categorization on samples to assist in disposal. ERRS continues to bulk and stage wastes and prepare the site for future activities. A truckload containing 88 drums of waste resin from the ion exchange columns are transported off site to the Burlington Environmental Facility in Kent, WA.

03/21/15

START continues to inventory and perform hazard categorization on samples to assist in disposal. The majority of hazard categorization support concludes. ERRS selectively drains tanks and bulks like wastes. Glycerine is transported off site to a Whole Energy facility in Mt. Vernon, WA via tanker truck.

03/22/15

START continues to inventory containers and document site conditions. ERRS assists in pumping waste into two disposal trucks that arrived on site. Vegetable waste oil is pulled from the totes. Biodiesel waste is pulled from bottoms of the biodiesel tanks. The two Stericycle tanker trucks containing waste from site depart to a Burlington Environmental Facility in Tacoma, WA. Solid waste remaining in several totes is solidified and staged. The totes are crushed and placed in a rolloff container.

03/23/2015

Samples collected by START were prepared for shipment. ERRS vacuumed biodiesel waste bottoms from a processing tanks and vegetable oil from multiple totes. That vacuum truck departed the site mid-day. ERRS began to solidify the vegetable oil sludge that remained in many of the totes. Any good metal tote frames were staged on site for possible re-use. Damaged metal tote frames were crushed and placed in a rolloff container for disposal.

03/24/2015

Two truckloads of 55 and 65 gallon overpack drums filled with multiple wastes streams were shipped off-site for disposal. One rolloff with general facility debris and one rolloff of solidified vegetable oil sludge departed the site for disposal. One semi vacuum truck loaded with vegetable oil from multiple tanks and totes also departed site. Later in the day, ERRS continued to solidify the vegetable oil sludge that remained in many of the totes after the liquid vegetable oil had been vacuumed out. Any good metal tote frames were staged on site for possible re-use. Damaged metal tote frames were crushed and placed in a rolloff container for disposal.

03/25/2015

Three tanker trucks for WholeEnergy arrived on-site. Truck #1 was loaded with methanol to be reused. Trucks #2 and #3 were loading with glycerin to be taken to a digester to be re-cycled. ERRS continued to solidify vegetable oil sludge from multiple totes and staged good metal frames from some of totes for possible re-use. Damaged metal tote frames were placed in a rolloff for disposal. One scrap metal rolloff and one solidified vegetable oil rolloff were picked up for off-site disposal.

03/26/2015

One vacuum tanker truck removed waste methanol from two on-site tanks for off-site disposal. ERRS completed the solidification of vegetable oil sludge from the remaining totes and one outside tank. The totes were managed as in previous days. ERRS started preparations for departing from the site tomorrow.

03/27/2015

Two vacuum tanker trucks arrived on site to collect the remaining glycerin from tanks inside and outside the facility. All personnel departed the site.

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

TransMessis Columbia Plateau, LLC is the potentially responsible party. Samples were collected to determine the RCRA hazardous waste profile with split samples being sent to a laboratory in Denver, CO. Seventeen samples were collected on 3/19/15. An EPA inspector was on site on 3/19/15 and 3/20/15.

2.1.4 Progress Metrics

ERRS lab packed loose chemicals and overpacked drums of solid waste. Chemicals were bulked based on hazard categorization results and compatibility. Chemicals were segregated into waste streams and staged to be removed as trucks are available. The following table represents the waste chemicals shipped from the site.

Date	Waste Stream	Medium	Quantity	Weight	Manifest #	Carrier	Facility	Location
3/20/2015	UN3175 Waste Solids containing Flammable Liquid, N.O.S. (Methanol) 4.1 PGII	Drums	88	26,400 lbs	000120022 DAT	Stericycle	Burlington Environmental	Kent, WA
3/21/2015	Glycerin	Tanker Truck		31,100 lbs	WTI# 15-6287	WillTran Inc, Whole Energy		Mt Vernon, WA
3/22/2015	NA1993 Combustible liquid, N.O.S. (biodiesel) Combustible Liquid, PGIII	Tanker Truck	3172 gal		000120033 DAT	Stericycle	Burlington Environmental	Tacoma, WA
3/22/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Vegetable Oil)	Tanker Truck	4820 gal		000120014 DAT	Stericycle	Burlington Environmental	Tacoma, WA
3/23/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Vegetable Oil)	Tanker Truck	3000 gal		000120013 DAT	Stericycle	Burlington Environmental	Tacoma, WA
3/24/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Vegetable Oil)	Tanker Truck	2581 gal		000120035 DAT	Stericycle	Burlington Environmental	Tacoma, WA
3/24/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Facility Debris)	Rolloff Container	1	9 Tons	000120047 DAT	Stericycle	Burlington Environmental	Tacoma, WA
3/24/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Soap Stock)	Rolloff Container	1	3860 lbs	000120048 DAT	Stericycle	Burlington Environmental	Tacoma, WA
3/24/2015	UN1719 Waste Caustic Alkali Liquids, N.O.S. 8 PGII (Sodium Hydroxide, Potassium Hydroxide)	Drums	2	360 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1760 Waste Corrosive Liquids, N.O.S. 8 PGII (Hydrochloric Acid, Sulfuric Acid)	Drums	1	250 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1993 Waste Flammable Liquids, N.O.S. 3 PGIII	Drums	2	450 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1888 Waste Chloroform	Drums	1	150 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1950 Waste Aerosols, (Limited Quantity) 2.1	Drums	2	25 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN3139 Waste Oxidizing Liquid, N.O.S. 5.1 PGII	Drums	1	150 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN2920 Waste Corrosive Liquids, Flammable, NOS 8 (3) PGII (Potassium methylate, solution in methanol) RQ(D001=100)	Drums	1	20 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1263 Waste Paint Related Material 3 PGII RQ(D001=100)	Drums	9	2500 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1760 Waste Corrosive Liquids, N.O.S. 8 PGII (Hydrochloric Acid, Phosphoric Acid) 8 PGII RQ(D002=100)	Drums	2	200 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1289 Waste Sodium methylate solutions 3 (8) PGII	Tote	3	6600 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1824 Waste Sodium Hydroxide Solution 8 PGII	Tote	4	8800 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1830 Waste Sulfuric Acid 8 PGII	Tote	2	4400 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic)	Drums	3	750 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1760 Corrosive Liquids, NOS (Ethanox) 8 PGII	Drums	5	1,500 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Corrosive)	Drums	5	2000 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1325 Flammable Solids, Organic, NOS (Carbon) 4.1 PGIII	Drums	2	800 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA

3/24/2015	UN3175 Waste Solids containing Flammable Liquid, N.O.S. (Methanol) 4.1 PGII	Drums	39	11,700 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1993 Waste Flammable Liquids, N.O.S. 3 PGIII	Drums	5	1,500 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1307 Waste Xylenes 3 PGII	Drums	1	300 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Corrosive) (Hydrated Lime)	Drums	1	250 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN3265 Waste Corrosive Liquid, Acidic, Organic, NOS, (Citric Acid)	Tote	1	2200 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/25/2015	UN1230 Methanol, 8, 6.1	Tanker Truck		71,500 lbs	NA	KagWet	WholeEnergy	Anacortes, WA
3/25/2015	Glycerin	Tanker Truck		47,800 lbs	15-6296	WillTran Inc.	WholeEnergy	Mt. Vernon, WA
3/25/2015	Glycerin	Tanker Truck		45,300 lbs	15-6288	WillTran Inc.	WholeEnergy	Mt. Vernon, WA
3/25/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Soap Stock)	Rolloff Container	1	9 tons	532975-15	Stericycle	Burlington Environmental	Arlington, OR
3/25/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Soap Stock)	Rolloff Container	1	2 tons	532976-15	Stericycle	Burlington Environmental	Arlington, OR
3/26/2015	UN1230 Waste Methanol Solution, 3 PGII	Tanker Truck	4429 gal		000120016 DAT	Stericycle	Burlington Environmental	Tacoma, WA
3/27/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Soap Stock)	Tanker Truck	4470 gal		000120141 DAT	Stericycle	Burlington Environmental	Arlington, OR
3/27/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Glycerin)	Tanker Truck	2650 gal		000120140 DAT	Stericycle	Burlington Environmental	Arlington, OR

START performed Hazard Categorization of samples to support disposal operations. START inventoried all the large tanks, totes and drums.

Date	HazCat Samples	Containers Inventoried
3/18/2015	11	40
3/19/2015	20	52
3/20/2015	14	34
3/21/2015	4	14
3/22/2015	0	10
3/23/2015	0	20
Total	49	150

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

No further response activities are planned at this time.

2.2.1.2 Next Steps

No further response activities are planned at this time.

2.2.2 Issues

None

2.3 Logistics Section

ERRS managed removal equipment logistics, including heavy equipment, roll-off bins, overpacks and totes, and PPE.

START managed hazard classification logistics, data management, site air monitoring logistics, and sample collection logistics.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

The EPA On-Scene Coordinator, Mike Sibley, has overall responsibility for safety at this site.

The START safety officer is Eric Lindeman.

The ERRS safety officer is Jerry Wade.

2.5.2 Liaison Officer

The EPA OSC is functioning as the Liaison Officer.

2.5.3 Information Officer

An Odessa Biodiesel response media information fact sheet has been prepared by PIO.

3. Participating Entities

3.1 Unified Command

Unified command is not in effect at the site.

3.2 Cooperating Agencies

EPA
Washington Department of Ecology
Odessa Public Development Authority

4. Personnel On Site

1 EPA OSC
2 START (E&E)
6 ERRS (EQM/McGillivray)
1 Stericycle (Disposal Contractor)

5. Definition of Terms

None.

6. Additional sources of information

6.1 Internet location of additional information/report

<http://www.epaosc.org/odessadiesel>

6.2 Reporting Schedule

This is the final POLREP planned for this site.

7. Situational Reference Materials

None.