

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Oakland Estuary Marine Debris Removal Site - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IX

Subject: POLREP #4
Final POLREP
Oakland Estuary Marine Debris Removal Site
A944
Alameda, CA
Latitude: 37.7723010 Longitude: -122.2412250

To:
From: Will Duncan, Federal On-Scene Coordinator
Date: 9/12/2014
Reporting Period: February 10, 2014 thru March 27, 2014

1. Introduction

1.1 Background

Site Number:	A944	Contract Number:	EP-S9-12-01
D.O. Number:	0932	Action Memo Date:	7/23/2014
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	Not Applicable
Mobilization Date:	9/9/2013	Start Date:	9/9/2013
Demob Date:	3/27/2014	Completion Date:	7/24/2014
CERCLIS ID:	CAN000909550	RCRIS ID:	Not Applicable
ERNS No.:	Not Applicable	State Notification:	Not Applicable
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

The Oakland Estuary Marine Debris Removal Site is a time-critical removal action

1.1.2 Site Description

The Oakland Estuary Marine Debris Removal Site is located in the Oakland Estuary, Alameda County, California. The Oakland Estuary is a tidal waterway situated between the cities of Oakland and Alameda, which connects the San Francisco Bay with the San Leandro Bay. The water of the estuary is essentially similar to the waters of the San Francisco Bay.

Latitude: 37°46'22.47" N
Longitude: 122°14'24.09"W

For more information, please refer to **Pollution Report #1**

1.1.2.1 Description of Threat

Current Site conditions pose ongoing releases and the threat of future releases of hazardous substances to the Oakland Estuary and surrounding sensitive ecosystem. The likelihood of direct human exposure, via ingestion and/or inhalation of hazardous substances, and the threat of future releases and migration of those substances, pose an imminent and substantial endangerment to public health or welfare or the environment based on the factors set forth in the NCP, 40 CFR § 300.415(b)(2).

For more Information, please reference **Pollution Report #1**.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

In April 2013 EPA, in partnership with CalRecycle and Coast Guard, conducted a removal assessment of four abandoned wrecks. Based on EPA's assessment, actual and threatened releases of hazardous substances into the environment pose a risk to human health and the environment at this Site. Analytical results show that there is a potential for hazardous substances (asbestos, PCBs, lead, and arsenic) to be released into the environment from these abandoned wrecks. These hazardous substances can potentially kill marine life and enter into the food chain, ultimately being consumed by humans. Additionally, the

potential is great that other hazardous materials are present on these wrecks, namely varnish, paint, and batteries. Releases of these substances into the aquatic environment are subject to dispersion and translocation via tidal action and ecosystem processes and therefore may be lethal to marine life.

For more details, please refer to **Pollution Report #1**.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

The following monthly summaries cover the operating period from February 2014 thru March 2014. For activities occurring prior to these dates please refer to the following Pollution Reports:

Pollution Report #1: September 9 thru October 26, 2013.

Pollution Report #2: October 27 thru November 22, 2013.

Pollution Report #3: November 23 thru January 10, 2014.

Note: The EPA demobilized from the site on January 10, 2014. The EPA re-mobilized to the site on February 10, 2014. No on-site work was performed by EPA or its contractors between January 11 and February 9, 2014. The State and their contractor did work.

2.1.2 Response Actions to Date

February Operations (February 10 – 20, 2014)

On-site Personnel: (2) EPA OSCs (4) EQM Representatives

On February 10, 2014, the USEPA re-mobilized to the Oakland Estuary Site to address the transportation and disposal of contaminated sediments stockpiled on the site. The sediments were recovered from the inside of the two commercial vessels (tugs "Captain AL" and "Respect") that were raised by the USEPA and Coast Guard in the Fall and early winter of 2013. The sediments contained elevated levels of lead and copper and were classified as a California Hazardous Waste and manifested as "Non-RCRA Hazardous Waste Solids (Lead:Copper).

During the first week of operations the Emergency Rapid Response Services (ERRS) contractor loaded 77 trucks with approximately 1641 tons of material. Material was transported under manifest from the Oakland Estuary site to Clean Harbors Buttonwillow LLC., in Buttonwillow, CA, for disposal.

During the second week of operations the ERRS contractor loaded 62 trucks with approximately 1804 tons of material. Material was also transported to the Clean Harbors Buttonwillow LLC., in Buttonwillow, CA, for disposal.

Other activities accomplished during the operational period included the placement of large rip rap along the face of an earthen seawall near Duta's yard. On February 10, 2014, the ERRS contractor arranged for the transportation and disposal of 10 waste flare packages. The waste flares had been collected from abandoned vessels throughout the fall of 2013. The Waste flares were transported to Veolia ES Technical Solutions in Sauget, IL for incineration.

On February 20, 2013, USEPA demobilized from the site.

March Operations (March 4 – 27, 2014)

On-site Personnel: (2) EPA OSCs (1) EQM Representatives, (5) Southwest Hazard Control Representatives

On December 30, CalRecycle took custody of the tug "Respect" from the USCG. CalRecycle began demolition activities in early January and completed the removal of all the structures on the tug that were above the main deck. All the remaining demolition activities were put on hold until a more stable work area could be identified. In late January 2014 the Army Corps. of Engineers (ACE) gave Cal Recycle permission to use their dock facilities in Sausalito, CA.

Prior to CalRecycle moving the tug "Respect", The USCG arranged for the transportation and disposal of 180 cubic yards of Non-RCRA Hazardous Waste, Solid (sludge) and 4100 gallons of Non-RCRA Hazardous Waste, liquid (contaminated water). This waste had been removed from the inside of the tug "Respect" during stabilization activities in late December 2013 and temporarily stored in vacuum boxes along the dock at Bay, Ship and Yacht.

Once the tug "Respect" was transported to Sausalito, CalRecycle resumed demolition activities. In early March USEPA mobilized to Sausalito with the ERRS contractor to begin asbestos abatement activities on the boiler and steam distribution system. Brick, flanges and pipe were removed from the vessel, double-bagged and stored in 20 cubic yard roll-off bins. A total of five 20 yard roll-off bins were transported from the ACE yard in Sausalito and disposed in the Altamont landfill in Livermore, CA. The EPA and their contractor demobilized from the site on March 27, 2014.

Special Note: In addition to finishing the demolition activities on the tug "Respect" in late July 2014, CalRecycle negotiated a mitigation project with the Bay Area Rapid Transit District (BART). The project involved the removal of an abandoned barge in San Leandro Bay. The BART completed the project in late July of 2013. CalRecycle also negotiated with the Alameda County DEA to remove an abandoned houseboat in the Oakland Estuary. A grand total of 77 sites were mitigated under

the Oakland Estuary Marine Debris Removal action. These sites included 63 Vessels, 9 debris sites and 5 abandoned docks.

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

This is an EPA fund lead action. The Civil Investigator and Office of Regional Counsel have identified a potential responsible party (PRP) for one of the abandoned vessels. However, initial investigations have found that the PRP has no viable means to mitigate the threats in a time critical manner. On May 16, 2014, a general notice letter, demand for payment of costs letter and a request for information (104) letter were sent to the last know address of the previous owner of the tug "Respect". To date their has been no response.

2.1.4 Progress Metrics

As of the date of this pollution report, 15 waste streams were transported off site for disposal. Waste was transported to disposal facilities through out California, Nevada and Illinois. In addition to the waste transported off-site, Propane cylinders (8) and Intact (not cracked) marine batteries (17) were recycled locally. It should be noted that USCG also transported and disposed of Non-RCRA waste generated during the the raising of the tug "Respect"

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Non-RCRA Hazardous Waste, Solid	Debris	15 cubic yds	89076		Y
Asbestos Containing Material (HM)	Solid	2400 pounds	89077		Y
Waste Paint (RQ)	Solid	2400 pounds	89077	Y	Y
Asbestos Containing Material (HM)	Solid	8500 pounds	82904		Y
Asbestos Containing Material (HM)	Solid	6800 pounds	89792		Y
Waste Paint (loosepack)	Liquid	290 pounds	89792	Y	
Waste Flammable Liquid (D001)	Liquid	975 gallons	82904	Y	
Waste Flammable Liquid (D001)	Liquid	25 gallons	89792	Y	
Non-RCRA Hazardous Waste (Ethylene glycol)	Liquid	85 pounds	89792	Y	
Waste Corrosive Liquids (D002)	Liquid	40 pounds	89792	Y	
Waste Aerosols, Flammable	Liquid	60 pounds	89792	Y	
Toxic Liquid, Inorganic	Liquid	120 pounds	89792	Y	
Non-RCRA Hazardous Waste, Liquid (Motor oil)	Liquid	50 gallons	82904	Y	
Waste Batteries, Wet, Filled with acid	Solid	325 pounds	82904	Y	
Waste Batteries, Wet, Filled with acid	Solid	50 pounds	89792	Y	
Non-RCRA Debris	Solid	18 yards	89793		Y
Non-RCRA Hazardous Waste Solid	Solid	10 yards	89446		Y
Non_RCRA Hazardous Waste Solid (Lead:Copper)	Solid	3425 Tons	Various		Y
Waste Flares (Multiple PSNs)	Solid	70 Pounds	Various	Y	
Asbestos Brick and Piping	Solid	25 Tons	Various		Y

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

There are no further actions planned at the site.

2.2.1.2 Next Steps

None

2.2.2 Issues

None

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

A consolidated site safety plan (EPA, START, ERRS, and Global Divers) has been completed for this site.

2.5.2 Liaison Officer

A Liaison Officer is not need for this site at this time.

2.5.3 Information Officer

No press events were held or media inquiries were made during this operating period.

3. Participating Entities

3. Cooperating Agencies

The removal action is in support of CalRecycle's effort to address abandoned vessels and marine debris throughout the Oakland Estuary. Cooperating agencies include Regional Water Quality Control Board, BCDC, Army Corps. of Engineers, US Coast Guard, Oakland Police Department, City of Alameda, Alameda Police Department, Alameda County Sheriffs, and State Historical Preservation Office.

4. Personnel On Site

Personnel on site during this operational period included 2 EPA OSCs, , 2-3 ERRS contractors, and 4-5 Southwest Hazard Control contractors. CalRecycle and their contractor, Pacific States, have also been on site.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6. Additional Sources of Information

7. Situational Reference Materials

No information available at this time.