

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Kilauea Pesticides - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IX

Subject: POLREP #6
FINAL POLLUTION REPORT
Kilauea Pesticides
09XS
Kilauea, HI
Latitude: 22.2104910 Longitude: -159.4069300

To: Harry Allen, EPA Region 9
Craig Benson, EPA Region 9
Daniel Meer, EPA Region 9

From: Will Duncan, Federal OnScene Coordinator

Date: 10/4/2012

Reporting Period: September 3, 2012 Through September 27, 2012

1. Introduction

1.1 Background

Site Number:	09XS	Contract Number:	EP-S9-12-01
D.O. Number:	9005	Action Memo Date:	7/6/2012
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	NA
Mobilization Date:	7/30/2012	Start Date:	7/31/2012
Demob Date:	9/18/2012	Completion Date:	9/27/2012
CERCLIS ID:	HIN000909347	RCRIS ID:	NA
ERNS No.:	NA	State Notification:	NA
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

The Kilauea Pesticides site is a time-critical removal action.

1.1.2 Site Description

The Kilauea Pesticide Site (Site) consists of two residential homes and one commercial property along Aalona Street and Oka Street in Kilauea, on the northern coast of the Island of Kauai, Kauai County Hawaii. The home sites (4277 and 4275 Aalona Street) and the commercial property (2430A Oka Street) are built on the site of a past pesticide mixing and storage area associated with a former sugar mill.

Latitude: 22 12' 58.889" N
Longitude: 159 24' 24.777 W

To the north, the Site is bordered by residential properties, beyond which is Keneke Street. To the south, the Site is bordered by Oka Street, beyond which are residential properties. To the east, the Site is bordered by vacant, undeveloped land and residential properties. To the west, the Site is bordered by residential and commercial properties, beyond which is Kilauea Road. Natural Bridges Preschool is located within 100 feet of the Site and the nearest surface water body is Kilauea Stream, approximately 0.3 miles west of the Site. The Pacific Ocean is approximately 1 mile north of the site. The total population estimate within one-quarter mile of the site is 9,947.

1.1.2.1 Description of Threat

See POLREP 1

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See POLREP 1

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

The removal action at the Kilauea Pesticides Site involves removing contaminated soils from two residential yards and constructing a concrete storm water swale that will eliminate the exposure threat from contaminated soil identified on the commercial property. On July 30, 2012 personnel mobilized to the Island of Kauai, Hawaii in order to begin field work. Field work did not begin until July 31, 2012. During the first week of field work the focus was on preparing the residential properties for excavation. Soil Excavation activities began on August 6, 2012. The focus of the following several weeks was on removing contaminated soil from residential properties and backfilling the excavations with clean soil. In mid-late August the drainage swale was cleared of all vegetation, and a concrete cap was placed on top of contaminated soils. The EPA OSC demobilized from the site on August 31, START demobilized from the site on September 1, and the ERRS crew demobilized from the site on September 2, 2012. The ERRS response manager (RM) remained at the site to oversee the work by landscaping and fence subcontractors. The following summaries cover the operating period from September 2 through September 27, 2012. With all removal activities complete, the focus during this operating period was primarily on restoration activities. There was no work on September 2, September 3 (holiday), September 8-9, September 15-16, and September 22-23, 2012.

2.1.2 Response Actions to Date

See POLREP 1 for operating period July 31, 2012 Thru August 5, 2012

See POLREP 2 for operating period August 6, 2012 Thru August 12, 2012

See POLREP 3 for operating period August 13, 2012 Thru August 20, 2012

See POLREP 4 for operating period August 21, 2012 Thru August 26, 2012

See POLREP 5 for operating period August 27, 2012 Thru September 2, 2012

September 3-9, 2012: Monday through Sunday

Weather: Sunny to partly cloudy skies throughout the week. Low 80's and humid

Personnel on Site: 1 ERRS Contractor

Throughout the week the ERRS RM oversaw the installation of a six foot tall vinyl fence along the property line between the commercial property and residential properties 4277 and 4275. The vinyl fence was also installed along the property line between residential properties 4275 and 4277. The fence posts were secured into the ground with concrete. The subcontractor finished installing the vinyl fence on Friday, September 7, 2012. The ERRS RM also oversaw the landscape subcontractor preparing topsoil on the residential properties in anticipation of laying grass sod. The landscape subcontractor also completed building an open bottom planter using concrete blocks in the front yard of residential property 4275. No work was performed on September 3, or September 8 and 9, 2012.

September 10-16, 2012: Monday through Sunday

Weather: Sunny to partly cloudy skies throughout the week, some rain storms. Low 80's and humid

Personnel on Site: 1 ERRS Contractors

Throughout the week the ERRS RM continued to oversee the fence, concrete and landscape subcontractors. The fence subcontractor installed a four foot high cyclone fence behind the commercial building. The drainage swale is now completely surrounded by fencing. A gate was installed to provide access to the swale for routine maintenance. The access to the drainage swale will be secured and controlled by the owners of the commercial property. The concrete subcontractor placed concrete blocks on the lateral surfaces of the drainage swale. The blocks were spaced to discourage the occasional trespasser from riding skateboards in the swale but not so close as to impede the flow of storm water and debris. The landscape subcontractor finished laying sod on the residential properties and began restoring plants in planters on residential property 4275. The landscaping subcontractor also arranged for concrete stairs to be poured over exposed soil in the front yard of residential property 4277. Finally a painting subcontractor was hired to repair paint damage along the window trim on residential property 4277. No work was performed on September 15 and 16, 2012.

September 17, 2012: Tuesday

Weather: Sunny to partly cloudy skies some rain in the early morning. Low 80's and humid

Personnel on Site: 2 OSCs, 1 ERRS Contractors, 1 County of Kauai Representative, 2 State of Hawaii Representatives

The ERRS RM continued oversight of landscape subcontractor. The landscape subcontractor continued restoring plants on residential property 4275 and began laying decorative rock and stepping stones on residential property 4277. On scene coordinators W. Duncan and C. Benson arrived on-site to conduct a final walk through of all the residential and commercial properties with the owners, county and state stakeholders. Each property was toured with the owner (s) and all removal and restoration activities were discussed. State representatives also explained that they would be providing the property owners with an Emergency Hazard Management Plan which would outline the long term maintenance responsibilities that each owner would need to comply with. The County of Kauai representative informed the OSCs that the gravel placed in the county right-of-way in front of residential property 4277 was not in compliance with the

county ordinance and would need to be replaced with grass sod. Sod maintenance will continue over the next 90 days to insure its long term viability.

September 18- 27, 2012: Various

The ERRS RM demobilized from the site on September 18, 2012. The ERRS RM continued working with the landscape subcontractor to remove the gravel and plant grass sod in the county right-of-way. The planting effort was completed on September 27, 2011.

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

2.1.4 Progress Metrics

The total volume, to date, transported to the Kekaha landfill for disposal.

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Profile #</i>	<i>Treatment</i>	<i>Disposal</i>
Non-RCRA Soils/Debris	Soil/Debris	814 tons	341016HI	No	Yes (County Landfill)

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

Planned response activities include excavating contaminated soil out of the two residential yards and backfilling with clean soil. Soil in the drainage swale will be capped in place under a concrete barrier.

2.2.1.2 Next Steps

All removal and restoration activities under this action are complete. Long term maintenance of the properties has been given to the state of Hawaii and the individual property owners. A final report summarizing the removal action will be completed before the end of the calendar year 2012.

2.2.2 Issues

There are no current issues at the site.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

2.4.1 Narrative

Funds for this removal action have been requested and approved through an Action Memorandum. This project is currently an EPA Fund Lead Removal Action and no other monies from State, local agencies or PRPs are anticipated before the removal action is completed.

"Total to Date" from the costs to date table is based on estimated totals from 09/23/2010 .

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$640,000.00	\$610,291.00	\$29,709.00	4.64%
TAT/START	\$170,000.00	\$148,559.00	\$21,441.00	12.61%
Intramural Costs				
USEPA - Direct	\$50,000.00	\$0.00	\$50,000.00	100.00%
USEPA - InDirect	\$354,228.00	\$0.00	\$354,228.00	100.00%
Total Site Costs				
	\$1,214,228.00	\$758,850.00	\$455,378.00	37.50%

* 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

A consolidated site safety plan has been completed for the site.

2.5.2 Liaison Officer

A Liaison Officer is not needed for the site at this time

2.5.3 Information Officer

An information officer is not needed for this site at this time. However, the OSC has been in contact with the local EPA PIO on Oahu and he is aware of the project and the ongoing removal activities. The EPA PIO released a statement to the press on October 1, 2012.

3. Participating Entities

The Hawaii Department of Health provided support throughout the removal process.

4. Personnel On Site

There are no personnel on site.

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.

POLREP #6 Last Updated 10/4/2012