

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IX

Subject: POLREP #4
Continuation of Action - Week 4
Kilauea Pesticides
09XS
Kilauea, HI
Latitude: 22.2104910 Longitude: -159.4069300

To:
From: Will Duncan, Federal OnScene Coordinator
Date: 8/29/2012
Reporting Period: August 20, 2012 thru August 26, 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:		Completion Date:	
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 Kilauea Pesticides involves removing contaminated soils from two residential yards and constructing a concrete stormwater drainage 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 site work. Site work did not begin until July 31, 2012. During the first week of Site work the focus was on preparing the residential properties for excavation. During the second week of Site work the focus was excavating soils and transporting them to the landfill for disposal. Third week activities involved continued excavation, disposal, backfilling and prep work for the drainage swale. Fourth week activities involved backfilling excavations in residential yards, and prep work for drainage swale. The following daily summaries cover the operating period from August 20, 2012 thru August 25, 2012. There was no work on August 26, 2012.

2.1.2 Response Actions to Date

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

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

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

August 20, 2012; Monday

Weather: Sunny to partly cloudy skies throughout day with no rain. Low 80's and humid.

Personnel on Site: 1 EPA OSC, 5 ERRS Contractors, 2 START Contractors

On-Site Activities: The ERRS contractor continued loading trucks of stockpiled non-RCRA soil for transport off-site. The final two truckloads (approx. 25 tons) were loaded, transported and disposed at the Kauai county landfill in Kekaha today. The final total for all non-RCRA soils and debris transported to the landfill is 65 truckloads (814 tons). Two final truck loads (approx. 30 tons) of base course were delivered, placed and compacted. ERRS completed grubbing the swale and continues to grade and shape the swale for upcoming concrete work.

START continued active air monitoring and sampling at the site and adjacent properties; as well as documenting site activities in the site logbook and through photo documentation. The final post-excavation home site samples were also collected and submitted to the laboratory. START and the OSC discussed minor design changes to the concrete swale plans to ensure all exposed contaminated soil areas are covered or capped.

August 21, 2012; Tuesday

Weather: Cloudy skies throughout day with moderate rain events. Mid - High 80's and humid.

Personnel on Site: 1 EPA OSC, 5 ERRS Contractors, 2 START Contractors

On-Site Activities: Nine truckloads of clean topsoil were delivered on-site and ERRS began final grading and compaction at the two home sites. ERRS continued to grade and shape the swale for upcoming concrete work and installed the root barrier between home site 4277 and the commercial property. The ERRS RM, OSC Benson, START and concrete subcontractor representative continued discussions regarding minor concrete swale design changes to ensure some form of hardscaping on all appreciable slopes in DU-10 to prevent possible future erosion of a soil/vegetated cap. At a minimum, concrete will be used in all areas covered by the Honua Engineering plans and possibly extended further on the NW corner of the swale as it approaches the 4277 Aalona Street property (DU-12). Grouted rubble pavement (GRP) or concrete will then be used on either side of the culvert as well as in other areas of the northeast corner of the swale depending on the steepness of the slope.

START continued active air monitoring and sampling at the site and adjacent properties; as well as documenting site activities in the site logbook and through photo documentation.

August 22, 2012; Wednesday

Weather: Cloudy skies throughout day with moderate rain events. Mid - High 80's and humid.

Personnel on Site: 1 EPA OSC, 5 ERRS Contractors, 2 START Contractors

On-Site Activities: Four truckloads of clean topsoil were delivered on-site and ERRS continued final grading and compaction at the two home sites. ERRS continued to grade, shape and compact the swale for upcoming concrete work and poured a sand base for the above-ground swimming pool at the 4275 home site.

START continued active air monitoring and sampling at the site and adjacent properties; as well as documenting site activities in the site logbook and through photo documentation.

August 23, 2012; Thursday

Weather: Cloudy skies throughout day with moderate rain events. Mid - High 80's and humid.

Personnel on Site: 1 EPA OSC, 5 ERRS Contractors, 1 START Contractor

On-Site Activities: Five truckloads of clean topsoil were delivered on site and ERRS continued final grading and compaction at the two home sites. Soil compaction test (proctor) was completed in drainage swale today. Test documented approximately 90.8% and 95% compaction. ERRS laid non-woven geotextile in drainage swale to act as a barrier between concrete and soil. ERRS received landscape bids for both residential properties. OSC Benson demobilized from site.

START continued active air monitoring and sampling at the site and adjacent properties; as well as

documenting site activities in the site logbook and through photo documentation.

August 24, 2012; Friday

Weather: Cloudy skies throughout day with moderate rain events. Mid 80's and humid.

Personnel on Site: 1 STATE DOH Representative, 5 ERRS Contractors, 1 START Contractor

On-Site Activities: The state representative from DOH is acting as the governmental agency representative on-site for today and tomorrow, Friday and Saturday. One truckload of clean topsoil was delivered on-site and ERRS continued final grading and compaction of the two home sites. Additional sand was delivered to property to use in the crawl space of 4277 Aalona Street. Concrete subcontractor began building forms for concrete pour. Because the design of the swale has changed, making the sides of the channel steeper, the concrete subcontractor will need to use *shotcrete* in the channel and the steeper parts of the swale around the culvert head frame

START continued active air monitoring and reduced sampling at the site and adjacent properties; as well as documenting site activities in the site logbook and through photo documentation.

August 25, 2012; Saturday

Weather: Cloudy skies throughout day with moderate rain events. Mid 80's and humid.

Personnel on Site: 1 STATE DOH Representative, 5 ERRS Contractors, 1 START Contractor

On-Site Activities: The ERRS contractor continued final grading and compaction activities at the two home sites.

START continued active air monitoring and reduced sampling at the site and adjacent properties; as well as documenting site activities in the site logbook and through photo documentation. START also evaluated the impact that the additional soils in the drainage swale might have on the overall performance of the swale. The evaluation did not uncover any adverse impacts.

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

Complete base course and clean borrow soils backfilling, compaction and grading at both home sites. Complete the setting of concrete forms and concrete pour in the drainage swale.

2.2.2 Issues

Incoming laboratory analytical data for arsenic in air samples have all been non-detect. Further, there have been no significant excursions or deviations from background on the real-time dust monitors since removal initiation.

The State continues to take the lead in outreach efforts to the communities of Kekaha (landfill location) and Kilauea. The State has provided information about the site, landfill and transportation to these communities to keep them better informed.

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 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.

3. Participating Entities

The Hawaii Department of Health and the County of Kauai continue to participate and support this removal action.

4. Personnel On Site

Current personnel on site include 1 EPA OSC, 5 ERRS contractors and 1 START contractor.

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.