

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
ASIG Sand Island - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IX

Subject: POLREP #1
Initial polrep
ASIG Sand Island

Honolulu, HI
Latitude: 21.3168235 Longitude: -157.8900084

To:
From: Donn Zuroski, osc
Date: 1/27/2015
Reporting Period: 01/25-27/15

1. Introduction

1.1 Background

Site Number:	Contract Number:
D.O. Number:	Action Memo Date:
Response Authority: OPA	Response Type: Emergency
Response Lead: EPA	Incident Category: Removal Action
NPL Status:	Operable Unit:
Mobilization Date: 1/25/2015	Start Date: 1/25/2015
Demob Date:	Completion Date:
CERCLIS ID:	RCRIS ID:
ERNS No.:	State Notification:
FPN#: E15901	Reimbursable Account #:

1.1.1 Incident Category OPA Response

1.1.2 Site Description

The site includes the area in and adjacent to the tank farm that supplies fuel to the Honolulu International Airport. This tank farm facility includes 16 above ground storage tanks (used to store Jet a fuel) and pipelines to receive product form the Kapolei Refinery (located in Campbell Industrial Park) or product directly from oil tankers in Honolulu Harbor, as well as pipelines running form the tank farm directly to the airport. The tank farm sits on the land owned by the State of Hawaii Department of Transportation Airports Division. The tanks, piping, structures and associated equipment are owned by Hawaii Fueling Facilities Corporation a consortium of (22?) airlines. The facility is operated by aircraft Service International group (ASIG).

1.1.2.1 Location

The tank farm is situated on the main road between Honolulu and Sand Island. Honolulu Harbor and Ke'ehi Lagoon are both in near proximity. A smaller tank farm operated by Hawaiian Independent Energy Co. is located adjacent to the South.

1.1.2.2 Description of Threat

On December 22, 2014, the staff at the ASIG tank farm noted a substantial shortage in the inventory of Tank #2. The storage capacity of tank #2 is approximately 2.8 million gallons. On January 21, 2015, ASIG notified the HI DOH that they had a release of 1000 bbls of Jet fuel (42,000 gallons) at their facility.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The HI DOH Hazard Evaluation and emergency Response Office deployed one of the State On-Scene Coordinators who noted that the facility had ongoing fuel recovery from two pits dug into the ground inside the contained area of the facility. The State OSC immediately notified the NRC.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

This facility is immediately adjacent to both Honolulu Harbor and Ke'ehi Lagoon, and has a history of tank releases. The tank farm contains 16 ASTs with a combined capacity to hold 44 million gallons of fuel. Although the facility is surrounded along the perimeter by a concrete wall, the area around the tanks is not paved or sealed from downward migration of fuel should it get out of the tanks. The soil underlying the tanks is sand with layers of crushed coral and fill material. In 2009, there was a sizable tank release inside the facility. As a result of the 2009, event the facility owners installed a bentonite slurry barrier wall along 3,000 linear feet of the perimeter. According to the engineering firm that installed the barrier wall, "this barrier system will last for centuries".

2.1.2 Response Actions to Date

At present, the Jet fuel is being pumped directly from two (of several) small open pits directly into vac trucks and taken offsite for processing at the Honolulu Airport fuel storage farm. An average of 6,000 gallons of 90 percent pure product per day have been recovered.

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

Verbal Notice of Federal Interest was given by the OSC on his arrival at the site. Written copies of the NOFI are to be hand delivered today. Federal enforcement actions are TBD.

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

The initial approach has been to aggressively extract the jet fuel, and to define the extent of the subsurface release. ASIG has excavated multiple pits along the wall adjacent to tank #2 (the source of the released the fuel). Two of the pits have been utilized as extraction points.

In addition, an "air knife" has been used to drill several borings outside the facility along the wall closest to tank #2. It is evident that the bentonite barrier hasn't provided containment. A substantial amount of jet fuel has been noted in the borings within 50 yards of the Ke'ehi marina.

The focus at present is to design and install an engineered extraction trench or series of trenches to optimize capture of the fuel inside the perimeter wall and to define the edge of the offsite migration of the fuel.

2.2.1.1 Planned Response Activities

Contain the release. Define the leading edge of the plume migrating toward the water.

2.2.1.2 Next Steps

Develop a long-term strategy.

2.2.2 Issues

TBD

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

No information available at this time.

3. Participating Entities

No information available at this time.

4. Personnel On Site

No information available at this time.

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.