



DEPARTMENT OF THE NAVY
COMMANDER
NAVY REGION HAWAII
850 TICONDEROGA ST STE 110
JBPHH, HAWAII 96860-5101

5000-45A
N45
September 10, 2021

CERTIFIED NO: 9489 0090 0027 6232 9872 83

Ms. Roxanne Kwan
Hawaii State Department of Health
Solid and Hazardous Waste Branch
Underground Storage Tank Section
2827 Waimano Home Road #100
Pearl City, HI 96782

Dear Ms. Kwan:

**SUBJECT: FREE PRODUCT REMOVAL REPORT, HOTEL PIER
DOH FACILITY ID NO. 9-102271, DOH RELEASE ID NO. 210011
DOH HEER INCIDENT RELEASE CASE NOS. 2020317-0914 AND
20200602-1345**

As requested in DOH letter U0711HM of June 30, 2021, the Navy is providing information on free product removal related to the fuel release from the defuel pipeline at Hotel Pier on Joint Base Pearl Harbor-Hickam.

As listed in Hawaii Administrative Rules (HAR) 11-280.1-64(a)(4), the following information is provided:

(A) The name of the person responsible for implementing the free product removal measures;

Navy POC for any questions regarding free product removal is Mr. James D. Saul, ph. (808) 864-2463, email: james.d.saul.civ@us.navy.mil.

(B) The estimated quantity, type, and thickness of free product observed or measured in wells, boreholes, and excavations;

The cleanup and recovery actions began when the release was first detected, and are currently ongoing. The recovery of product decreased from 40 to 50 gallons per day during the initial release, down to about one gallon per day on average during the current period. Prior to contracting an Oil Spill Removal Organization (OSRO) on February 11, 2021, the Facility Response Team recovered an estimated 3,100 gallons of oil from March 17, 2020 to February 11, 2021. A summary of the amount of product recovered each month from February 12, 2021 to August 17, 2021 is shown below.

Total Free Product Recovered by OSRO

Total Recovered (gallons)

	Water	Land	Total
February (12-28)	559	45	604
March	1422	648	2070
April	515	292	807
May	375	683	1058
June	51	24	75
July	22.5	13	35.5
August (1-17)	2.5	19	21.5

Initially, interception trenches were installed to capture the free product before it reached the harbor. The trenches successfully intercepted fuel. Later, as the source of the release was discovered and secured, all interceptor trenches were closed as the remaining product quantities recovered substantially decreased. Several observation wells (OWs) were dug throughout the area to track the free product plume. OWs were also used to capture free product. The passive recovery of free product from the OWs is ongoing, and will continue as long as it is effective

Installation of an ocean boom began on July 21, 2021. The ocean boom will be permanently installed around the area to contain any residual product that is released from the subsurface. One 400' leg of ocean boom is installed along Hotel 5 and the Liberty Lanai area. A shipping delay from a mainland vendor has delayed the installation of the Hotel 5 leg until August 27, 2021.

(C) The type of free product recovery system used;

Free product recovery systems used included pumps, a brush skimmer, and various absorbent materials.

(D) Whether any discharge will take place on-site or off-site during the recovery operation and where this discharge will be located;

Discharges from the site included free product collected from the interception trenches and OWs, as well as free product collected from the adjacent harbor waters. In coordination with Department of Health (DOH), oily groundwater was pumped from the OWs and trenches into an on-site oil water separator. The oil portion was collected for disposal. The water portion was reintroduced into an on-site trench to assist in moving the product that had pushed away from the source back down to the injection trenches for recovery. This process was stopped once oil recovery was no longer viable. Discharges

from the site into the harbor waters were also collected using pumps, skimmers, and absorbents.

Discharges from the site are still being collected via absorbent socks placed in the OWs, and will continue as long as free product continues to be viable. Any discharges from the site into the adjacent harbor waters will be captured, as necessary.

(E) The type of treatment applied to, and the effluent quality expected from, any discharge;

In coordination with DOH, water from the oil water separator was not treated prior to being put back into the interception trench. Oil was collected and disposed of off-site as used oil.

(F) All actions already performed or currently underway to remove free product, including steps that have been or are being taken to obtain necessary permits for any discharge;

Free product was removed using interceptor trenches, skimmers, a vacuum truck, and absorbent material. Saturated absorbents were placed into 55-gallon drums for transfer. Liquid product was transferred into a tank for off-site disposal.

(G) The disposition of the recovered free product;

Drums were removed by Pacific Environmental (PENCO) and transferred to:

Clean Earth Specialty Waste Solutions, Inc.
Burlington Environmental, LLC. Tacoma Plant
1701 East Alexander Avenue
Tacoma, WA 98421
Phone: 253-627-7568

April 6, 2021	151 drums
April 7, 2021	35 drums
May 12, 2021	69 drums
July 26, 2021	24 drums and 4 tri-walls*

Total: 279 drums and 4 tri-walls

*Tri-walls were used due to a 55-gallon drum shortage. One tri-wall is equivalent to four (4) drums.

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Light oily wastewater was removed via trailered tanks by PENCO and transferred to:

Pacific Environmental (PENCO)
Pier 33 Honolulu Harbor
Honolulu, HI 96871
Phone: 808-545-5195

April 14, 2021	4,681 gallons (4,293 water and 388 oil)
May 10, 2021	4,849 gallons (4,681 water and 168 oil)
June 11, 2021	305 gallons (128 water and 177 oil)

Total: 9,835 gallons

Soil and rock were removed via roll-off containers and transferred to:

PVT Land Company
87-2020 Farrington Hwy
Waianae, HI 96792

June 8, 2021	23.54 tons
June 9, 2021	23.73 tons
July 20, 2021	67.7 tons

(H)Schedule for completion of free product removal.

Small amounts of free product are still being recovered. The recovered free product and associated absorbent debris, are stored in 55-gallon drums on site - within a protective containment berm, and is disposed of periodically, as quantities accumulate.

If there are any questions regarding this matter, or if more information is needed, please contact me at (808) 471-3858.

(b) (6)

SHERRI R. ENG
Director
Regional Environmental Department
By direction of the
Commander

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Copy to: Mr. John Floyd, NAVSUP FLC Pearl Harbor

Electronic Copies to: Ms. Gabriela Carvalho, U.S. EPA Region 9, Red Hill Coordinator
Mr. John Reed, DLA Energy Pacific
Mr. William Potter, DLA