

INCIDENT STATUS SUMMARY

1. **Incident Name** – HOTEL RELEASE
2. **Operational Period** – 06/03/21-06/16/20
3. **Type of Incident** – OIL SPILL
4. **Situation Summary as of the time of the report:**

PENCO remains onsite via the USCG BOA handling the on water response and product recovery. PENCO continues to maintain a very effective booming strategy, adjusting and replacing sorbents/boom as needed. The Hotel 1 corner all the way to the Halawa stream end of (b) (3) (A) is boomed, contained, and strategically isolated prevent migration. The effectiveness of the booming strategy continues to be effective in preventing product and sheen from escaping the boomed areas.

Ocean boom is in the process of being installed around the site. There have been challenges in coming up with a design to semi-permanently install the ocean boom due to the severely deteriorated condition of the sea wall. PENCO has devised a method to install the boom. The tide slide and brackets were fit tested today at H6, a few minor adjustments are needed, but it will work. We expect the ocean boom to be installed by 6/11. **Land side anchors have been fabricated to secure the ocean boom since the condition of the existing seawall will not support it. In addition, anchors have been acquired that will be imbedded in the floor of the Halawa stream to secure the boom. Due to current funding, ocean boom installation has been put on hold until enough funding has been placed on the contract to fund dive services for the installation.**

The daily focus is cleanup, recovery, and the operation of the water conveyor. In addition, PENCO takes measurements from each of the monitoring wells each day. This allows us to track the movement of the oil and evaluate the effectiveness of the water conveyor system. Today, only MWs 3, 10, 15, and 19 had measurable product. Although the product appears to have the same viscosity it is dark colored in 3 and 10 and more of a medium/light (amber) color in 15 and 19.

Samples were taken yesterday from MWs 3, 10, 15, and 20. We want to determine if we are seeing any increase in weathered product, or seeing any discernable differences in the mix.

5. **Future Outlook/Goals/Needs/Issues:**

-Continue interdiction, containment and recovery efforts

-Meet the agreed upon DOH transition requirements:

-Partially in progress

-Awaiting telecon with Navy and DOH

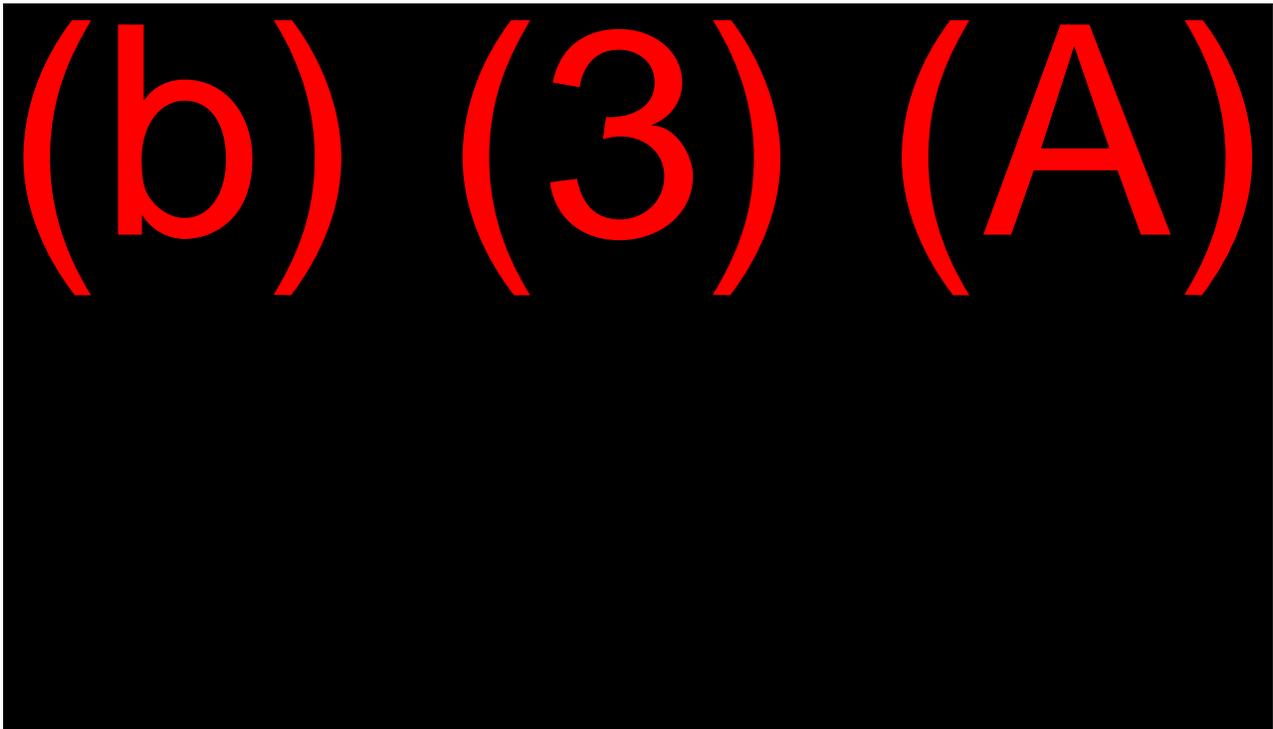
-Continue looking into the remaining abandoned lines as a possible source

-The current outcomes have moved the focus away from the abandoned lines. If conditions change, we will again look at tapping the lines. The depth of the lines combined with electrical features running over the lines, will make up stream tapping very challenging and costly.

PRESENT COA –The product movement and drastic reduction of product being recovered from both land and water indicate that the water conveyor operation is effective.

PENCO will use induced and natural ground water flow, recycled through topside oil/water separators, to recover and remove the subsurface oil. Ground water will carry the subsurface oil to downslope (East to West), to the intercepting trenches (#3). Pumps will recover water and oil from the intercepting trench 3, through oil water separators, and reintroduce the water in the upslope wells, in the vicinity of the restroom. The groundwater assisted by the reintroduced water will push the oil to the downslope trenches, where it will be pumped, put through the oil water separator and again reintroduced. The cycle will continue as needed to clean the area of oil and prevent it from going into the water.

Oil and water are being pumped from the trenches, MWs, and K111 up to the oil/water separator (OWS). The clean water flows from the OWS to trench 11. Oil is being skimmed from both the suction point and the OWS. The water conveyor is operated for ~4-6 hours each day.



Our Goals:

1. On-water containment and recovery.
 - No sheens observed escaping containment.
2. Prevent oil from reaching the water by intercepting it on land.
 - Oil is being recovered from Trench 3, 12, K111, and the MWs.

Total Recovered			
	Water	Land	Total
Feb	559	45	604
Mar	1422	648	2070
Apr	515	292	807
May	375	683	1058
June 1-15	34	17	51

-The drastic drop-off in product, makes us believe that the source has been secured.

-We are still recovering 3-4 gallons per day on average. This remaining amount seems to be stubborn. We suspect there are pockets/reservoirs of product that we are slowly moving with the conveyor operation.

3. Locate the source **(unchanged)**

-As of 4/29 it is theorized that the defuel line was a source that may have slowly leaked for a period of time before the release was discovered. The release was enhanced by the recent line testing that required not only the Defuel line to be packed with fuel, but all of the other lines that have the aforementioned 1" thermal expansion lines feeding into the defuel line. The darkened oil is from the microbial actions that take place. Once the Defuel line was isolated with the skillets, the light colored fuel tapered off and stopped.

-PENCO located the edge of RAA1 plume at MW16. We now know that the newer oil was mixing with some of the historic plume.

-Meet the transition remedy requirements.

6. **Safety Status/Personnel Casualty Summary (UNCHANGED):** No injuries. No Deaths.

- a. VOCs at ground level at the excavations continue to read 0-2ppms. Spikes of ~10ppm are seen near the floor of the excavations. Personnel working in trenches have proper protection. **Personnel are no longer working in trenches. Pumping work is done from ground level from the properly shored trenches, or from the cased monitoring wells.**
- b. MultiRAE meters are being used on site at all times when digging is in progress or product is being recovered from the K111 vault or the excavations.
- c. Personnel wear respiratory protection when required.
- d. Grounding cables are being used for the skimmer operations in the K111.
- e. All required safety measures for digging deeper than four feet will be strictly adhered to.
- f. There are several safety concerns with digging that will be addressed prior to placing personnel in excavations:
- g. We have determined our soil to be type C. Type C is the most unstable and therefore the most dangerous.
- h. Potholing is helping minimize the number of large excavations and thereby minimizing digging hazards.
- i. Each day begins with an onsite safety brief. Safety is paramount.

7. **Property Damage:** NONE
8. **Attachments:** NONE
9. **Equipment Resources in use/on site (UPDATED) equipment has been reduced at the site.**

PENCO EQUIPMENT ONSITE

- a. 1 x 17 ft Boston Whaler
- b. 1400 ft harbor boom
- c. 1 x Berms
- d. 10 x Steel plates for covering excavations
- e. Drums 55 gal as required
- f. 1 x Reach lift/JLG
- g. 1 x Backhoe
- j. 1 x air compressor
- m. 1 x brush skimmers
- o. Decanting tank (oil/water separator)
- r. 1 x Conex box for emergency response gear
- s. 3 x Shoring boxes and shoring material/system
- t. 5 x roll-offs for soil
- u. 1 x Double diaphragm pump with hoses and fittings

10. Personnel Resources working full time on Hotel Release :

- a. NAVY – 1 NOSC REP (FOSC)
- b. **CONTRACTOR-Varies with different operations with 5-6 personnel onsite on the normal day, but may increase with divers or vacuum excavation ops.**
 - i. 1 PM
 - ii. 1 Foreman/Sup
 - iii. 2 Equipment Operators
 - iv. 2 technicians
- c. Dive team 4 personnel (currently not on site)
- d. Excavation team 2 personnel (currently not on site)

11. RECOVERED PRODUCT ESTIMATES:

- a. Recovered 6/3 – 6/16 = 55 gal (37 water 18 land)
- b. Total recovered by the JBPHH Facility Response Team (FRT) from 3/17/20 until 2/11/21 = 3100 gallons
- c. Total Recovered by BOA contractor, PENCO from 2/12/21 – 6/16/21 = 4,594 gallons
- d. Total since 3/17/20 = 7,594

12. Waste

- a. DRUMS removed by PENCO and transferred to:
Clean Earth Specialty Waste Solutions, Inc.
Burlington Environmental, LLC. Tacoma Plant
1701 East Alexander Ave
Tacoma, Wa 98421

Ph: 253-627-75684

4/6 151 drums

4/7 35 drums

5/12 69 drums

Total 255

LIGHT OILY WASTE WATER removed via trailered IMO by PENCO and transferred to:

Pacific Environmental (PENCO)

Pier 33 Honolulu Harbor

Honolulu, hi 96871

PH: 808-545-5195

4/14 4,681 gallons (4,293 water and 388 oil)

5/10 4,849 gallons (4,681 water and 168 oil)

6/11 305 gallons (128 water and 177 oil)

TOTAL 9,835

SOIL DIRT and ROCK removed via roll-off containers and transferred to:

PVT Land Company

87-2020 Farrington Hwy

Waianae, Hi 96792

6/8 23.54 tons

6/9 23.73 tons

PREPARED BY:

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