

INCIDENT STATUS SUMMARY

1. **Incident Name** – HOTEL RELEASE
2. **Operational Period** – 5/19/21 – 6/1/21
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.

Excavating work has stopped and the daily focus has shifted to cleanup, recovery, and the continued operation of the “water conveyor” to continue to move whatever fuel may be remaining down to the intercept trenches.

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

-Continue interdiction, containment and recovery efforts

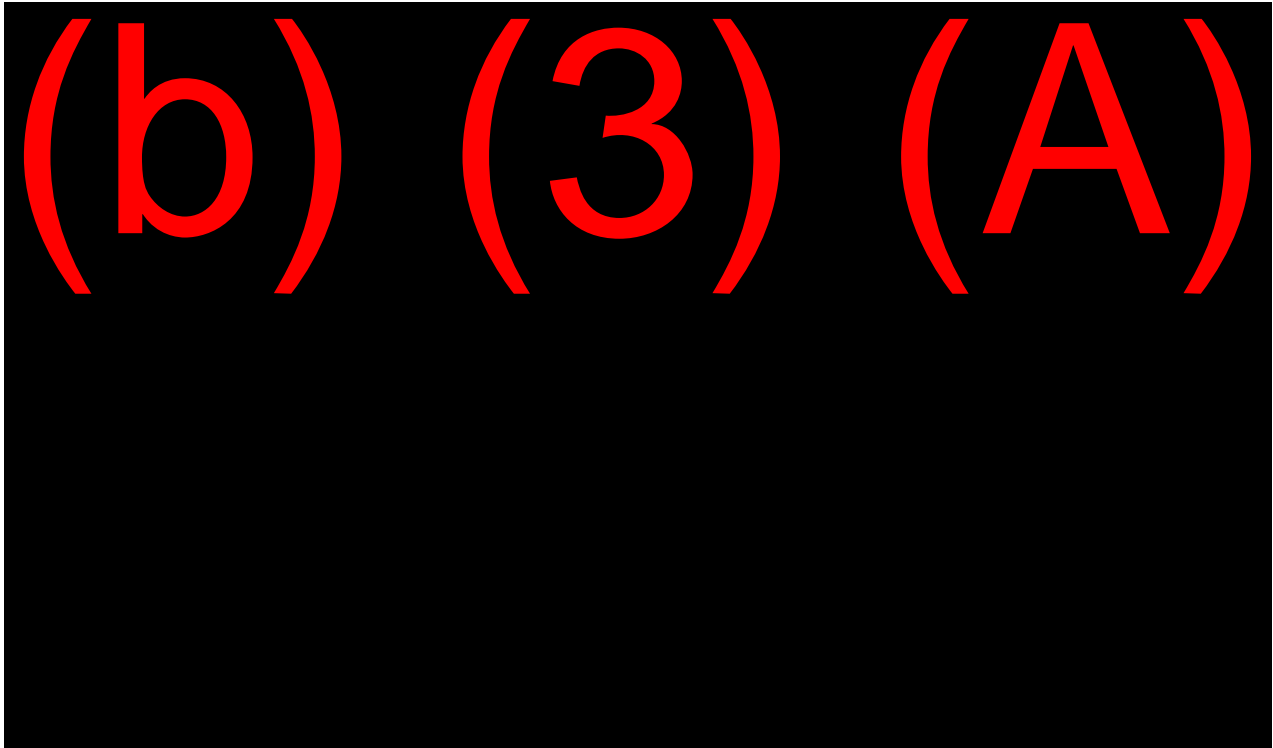
-Continue looking into the remaining abandoned lines as a possible source

-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 – We are continuing to run the water conveyor with success.

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.



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, 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

-The amount of oil recovered in May was purposely increased by running the water conveyor. Note: April water to land ratio compared to May.

-During the last two weeks 218 total gallons were recovered (127 land and 91 water)

-The drop off during the last week has been drastic only two total gallons were recovered on 6/3.

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.

6. **Safety Status/Personnel Casualty Summary:** 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.
 - 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:
 - i. 10 plus feet deep
 - ii. Working below ground water
 - iii. Type C soil
 - iv. Working in fuel
 - v. Working/digging on and around active lines
 - vi. Excavating areas that have been previously excavate.
 - 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**

PENCO EQUIPMENT ONSITE

- a. 1 x 17 ft Boston Whaler
- b. 1400 ft harbor boom
- c. 3 x Berms
- d. 19 x Steel plates for covering excavations
- e. Drums 55 gal as required
- f. 1 x Reach lift/JLG
- g. 1 x Conex box for drum storage
- h. 1 x Backhoe
- j. 2 x air compressor
- k. 1 x Vacuum truck
- m. 1 x brush skimmers
- n. Venturi blower for clearing VOCs in the trench
- o. Decanting tank (oil/water separator)
- p. HPU for brush skimmer
- r. 1 x Conex box for emergency response gear
- s. Shoring boxes and shoring material/system

- t. 5 x roll-offs for soil
- u. 1 x Double diaphragm pump and associated hoses/equip

10. Personnel Resources working full time on Hotel Release:

- a. NAVY – 1 NOSC REP (FOSC)
- b. CONTRACTOR-Varies with different operations 5-17 onsite on any given day
 - i. 1 PM
 - ii. 2 Equipment Operators
 - iii. 1 Foreman
 - iv. 2 Divers
 - v. 1 Dive Master
 - vi. 2 Dive tenders
 - vii. 2 Drivers
 - viii. 5 Technicians
 - ix. 2 x Air excavating crew (vactor operators)(This crew also provides toning services as needed)

**Divers have not been needed in recent weeks, but may be called in as needed.*

The crew has been reduced to 4-5 people. Presently we are not excavating and are not diving.

11. RECOVERED PRODUCT ESTIMATES:

- a. Recovered 5/19 – 6/2/21 = 218
- 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 – 6/2/21 = 4,555 gallons
- d. Total since 3/17/20 = 7655.

12. Waste (Will have updates for next reports, waste being removed this week)

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
 4/7 35
 5/12 69
 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)

TOTAL 9,530

PREPARED BY:

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