

Whalen, Marilyn

From: Poentis, Aaron Y CIV NAVFAC HI, EV <aaron.poentis@navy.mil>
Sent: Tuesday, July 08, 2014 3:53 PM
To: Richard Takaba (richard.takaba@doh.hawaii.gov); roxanne.kwan@doh.hawaii.gov
Cc: Shimabuku, June T. CIV NAVFAC HI, EV4; Ueda, Jill T CIV NAVFAC HI, HIEV4; Kishaba, Raelynn I CIV NAVFAC HI, EV4; Tsutsui, Bruce O CIV NAVFAC HI, OPHE3; Nakamura, Peter M CIV NAVFAC HI, EV1; Mizuno, Arleen M CIV NAVFAC HI, PRJ412; Lovgren, Andrew C LT NAVSUP, 700; Linder, Steven; Pallarino, Bob; steven.chang@doh.hawaii.gov; stuart.yamada@doh.hawaii.gov
Subject: RED HILL STATUS REPORT - JULY 8, 2014

Hi Richard/Roxanne:

Attached are the updated information for the weekly progress report from Navy Region Hawaii, and the Fleet Logistic Center Pearl Harbor for the week of July 8, 2014. In a process to ease reading, only sections with changes will be annotated.

1. Preliminary Work Plan
 - a. Item 1- Models to estimate downward vertical migration of free product.
 - b. Item 2 - Methods or options for non-invasive scanning of basalt to determine area and volume of contaminant mass prior to any drilling investigation.
 - c. Item 3 - Methods and locations for borings to most efficiently characterize the extent of contamination.
2. Release Response Action Items (initiate immediately, complete as soon as practicable)
 - a. Action 1 - Provide a schedule for the ventilation of Tank 5 and an estimated date to commence the investigation of release point(s) within Tank 5.
 - b. Action 2 - The rate of vertical migration for the released JP-8 free product is unknown. Information from the previously collected basalt cores could be used for initial modeling of vertical migration. This information is necessary to protect drinking water resources from petroleum contamination. Prepare models for petroleum JP-8 releases of 10,000, 20,000 and 30,000 gallons from points at 25% intervals from the bottom to the top of Tank 5. Progress in developing these models should be included in the preliminary work plan.
 - c. Action 3 - Removal of petroleum free product from the area outside the tank will reduce downward migration of the released JP-8 free product. Characterization of the free product plume and recovery of free product with increased monitoring are required to address this plume.
 - d. Action 4 - Additional studies and procedures are required to address the potential and impact of any future releases from the USTs within the Complex. This will require new financial and personnel resources to complete. Funding for the preliminary work plan and all necessary following work is critical.

The Draft Work Plan for Installation of Two Sentinel Wells will be submitted to the DOH the week of 14 July 2014.

Please feel free to contact me if you have any questions.

Vr,

Aaron