



DEPARTMENT OF THE NAVY

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

5090

Ser N45/380

May 16, 2014

CERTIFIED NO: 7011 0110 0002 1803 8346

Mr. Richard Takaba  
Hawaii State Department of Health  
Environmental Management Division  
Solid and Hazardous Waste Branch  
Underground Storage Tank Section  
919 Ala Moana Boulevard, Room 212  
Honolulu, HI 96814

Dear Mr. Takaba:

SUBJECT: RED HILL TANK COMPLEX  
ADDITIONAL MONITORING WELL LOCATIONS FOR TANK 5  
RELEASE RESPONSE  
FACILITY ID NO. 9-102271 / RELEASE ID NO. 990051,  
010011, 020028, AND 140010

Additional groundwater monitoring wells will be installed to support the groundwater flow model requested in DOH letter U0204RT of February 12, 2014. Data obtained from the new wells will also support the contaminant fate and transport model requested in DOH letter U0205RK of February 26, 2014.

These new wells will also serve as sentinel wells for the City and County of Honolulu Board of Water Supply's (BWS) Halawa pump station, as requested in DOH letter U0205RK of February 26, 2014.

The Navy awarded a contract to develop a plan and approach to update the groundwater flow model and contaminant transport analysis. The Navy's contractor identified locations for the additional monitoring wells. These locations are presented as Enclosure 1.

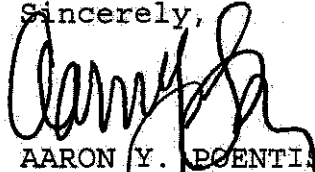
As stated in Enclosure 1, "Well 1 and Well 2 are generally considered essential for the update and of equal importance. The additional data obtained from Wells 1 and 2 would represent the minimum additional information needed to generate meaningful and more technically accurate results from the ground water and contaminant transport models."

The Navy requests DOH concurrence for the locations of Well 1 and Well 2 by May 30, 2014.

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If there are any questions regarding this matter, or if more information is needed, please contact Ms. Raelynn Kishaba at (808) 471-1171, extension 233.

Sincerely,



AARON Y. POENTIS

Director

Regional Environmental Department

By direction of the

Commander

Enclosure: 1. HDR Letter of 12 May 2014, Subject: Additional  
Monitoring Well Locations

Copy to: Ms. Joanna Seto, DOH Safe Drinking Water Branch  
LCDR Angela Watson, NAVSUP Fleet Logistics Center  
Pearl Harbor  
Mr. Walter Riddlehoover, DLA Energy Pacific  
Ms. Jill Ueda, NAVFAC HI OPHE1



1132 Bishop Street, Suite 1200  
Honolulu, Hawaii 96813  
Phone: (808) 524-3771 Fax: (808) 538-0445

12 May 2014

Helber Hastert & Fee Planners, Inc.  
Pacific Guardian Center  
733 Bishop Street, Suite 2590  
Honolulu, Hawaii 96813

Attention: Mr. Tom Fee  
President

Project: N62742-11-D-1800 Amendment No. 25, Red Hill Facility Update GWPP, Ground Water Model, Contaminant Transport Analysis, Phase 1, Joint Base Pearl Harbor-Hickam, Oahu, Hawaii HDRHNL 2013035

Subject: Additional Monitoring Well Locations

In accordance with our agreement for Amendment 25 under Contract N62742-11-D-1800 we have been developing a plan and approach for update of the Ground Water Model and the Contaminant Transport Analysis for the Red Hill Fuel Facility area. We have engaged Mr. Kolja Rotzoll and Mr. Robert Whittier in discussions for development of our plan and approach. Mr. Rotzoll developed the Ground Water Model for the Red Hill Fuel Facility area and conducted the previous analysis of ground water movement within the area. Mr. Whittier developed the Contaminant Transport Model for the Red Hill Fuel Facility area and conducted the previous analysis of contaminant transport within the area. Please note that our current focus is to provide information needed to respond to the letters from the State of Hawaii Department of Health to Navy Region Hawaii dated February 12, 2014 and February 26, 2014. These letters relate to the suspected fuel release reported in January 2014.

A series of meetings were held to discuss the data requirements for update of the Ground Water Model and the Contaminant Transport Analysis. It was concluded that additional monitoring wells, in addition to additional information from existing available monitoring well locations, would be essential for making the update a meaningful and more technically accurate representation of ground water movement and contaminant transport.

Attached is a map prepared by Mr. Rotzoll and Mr. Whittier identifying four locations for additional monitoring wells. The wells are numbered in order of priority of importance for the update of the ground water and contaminant transport models. Please note that Well 1 and Well 2 are generally considered essential for the update and of equal importance. The additional data obtained from Wells 1 and 2 would represent the minimum additional information needed to generate meaningful and more technically accurate results from the ground water and contaminant transport models.

Well 3 and Well 4 would also provide very valuable information that would further enhance the models. However, a phased approach with review of data collected from Wells 1 and 2 would allow an opportunity to adjust the locations of Well 3 and Well 4 if determined to be beneficial to further improve the models.

Please note that additional future monitoring wells could further enhance the models and provide additional information that could be very beneficial for other studies related to the ground water resources underlying the Red Hill Fuel Facility. However, we are focusing providing information needed for the suspected release reported in January 2014.

Please do not hesitate to contact us if there are any questions. We look forward to continuing to work with you on this project.

Very truly yours,

HDR ENGINEERING, INC.

A handwritten signature in black ink that reads 'Francis T. Hino'.

Francis T. Hino  
Vice President

Attachment

