



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

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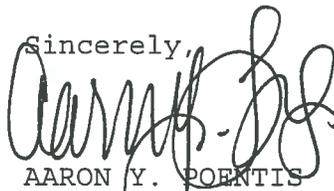
Mr. Richard Takaba  
Hawaii State Department of Health  
Environmental Management Division  
Solid and Hazardous Waste Branch  
Underground Storage Tank Section  
919 Ala Moana Boulevard, Room 212  
Honolulu, HI 96814

Dear Mr. Takaba:

SUBJECT: RED HILL TANK COMPLEX  
APRIL 2015 OIL/WATER INTERFACE MEASUREMENTS  
DOH FACILITY ID NO. 9-102271  
DOH RELEASE ID NO. 990051, 010011, 020028, AND 140010

In response to the January 2014 release from Red Hill Tank 5, oil/water interface measurements were taken at groundwater monitoring wells RHMW01, RHMW02, RHMW03, and RHMW05 on April 20 and 21, 2015. No free product was observed in the wells. A summary of the oil/water interface measurements from January 2014 through April 2015 is being submitted as Enclosure 1.

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. Red Hill Oil/Water Interface Measurements, January 2014 through April 2015

Copy to: Ms. Joanna Seto, DOH Safe Drinking Water Branch  
LCDR Andrew Lovgren, NAVSUP FLC Pearl Harbor  
Mr. Rockne Krill, DLA Energy Pacific

Date	RHMW01 Elevation = 102.27 ft <sup>3</sup>				RHMW02 Elevation = 104.76 ft <sup>3</sup>				RHMW03 Elevation = 121.06 ft <sup>3</sup>				RHMW05 Elevation = 101.55 ft <sup>3</sup>			
	DTW (TOC)		LNAPL		DTW (TOC)		LNAPL		DTW (TOC)		LNAPL		DTW (TOC)		LNAPL	
	SWL	NT	SWL	NT												
15-Jan-14	83.94	NT	18.33	0	86.62	NT	18.14	0	NT	NT	NT	NT	83.09	NT	18.46	0
16-Jan-14	83.53	NT	18.74	0	86.20	NT	18.56	0	NT	NT	NT	NT	82.87	NT	18.68	0
22-Jan-14	83.58	NT	18.69	0	86.24	NT	18.52	0	NT	NT	NT	NT	82.94	NT	18.61	0
23-Jan-14	83.57	NT	18.70	0	86.23	NT	18.53	0	NT	NT	NT	NT	82.93	NT	18.62	0
27-Jan-14	83.55	NT	18.72	0	86.23	NT	18.53	0	NT	NT	NT	NT	82.93	NT	18.62	0
28-Jan-14	83.56	NT	18.71	0	86.25	NT	18.51	0	102.52	NT	18.54	0	82.94	NT	18.61	0
29-Jan-14	83.56	NT	18.71	0	86.22	NT	18.54	0	NT	NT	NT	NT	82.94	NT	18.61	0
30-Jan-14	83.53	NT	18.74	0	86.21	NT	18.55	0	NT	NT	NT	NT	82.93	NT	18.62	0
31-Jan-14	83.53	NT	18.74	0	86.19	NT	18.57	0	NT	NT	NT	NT	82.88	NT	18.67	0
3-Feb-14	83.54	NT	18.73	0	86.20	NT	18.56	0	NT	NT	NT	NT	82.91	NT	18.64	0
4-Feb-14	83.54	NT	18.73	0	86.20	NT	18.56	0	NT	NT	NT	NT	82.89	NT	18.66	0
10-Feb-14	84.49	NT	17.78	0	86.16	NT	18.60	0	102.47	NT	18.59	0	82.83	NT	18.72	0
24-Feb-14	83.54	NT	18.73	0	86.24	NT	18.52	0	102.47	NT	18.59	0	82.97	NT	18.58	0
4-Mar-14*	NT	NT	NT	0	NT	NT	NT	0	NT	NT	NT	NT	NT	NT	NT	NT
13-Mar-14*	NT	NT	NT	0	NT	NT	NT	0	NT	NT	NT	NT	NT	NT	NT	NT
28-Mar-14	83.76	NT	18.51	0	86.42	NT	18.34	0	102.65	NT	18.41	0	83.18	NT	18.37	0
7-Apr-14*	83.42	NT	18.85	0	86.43	NT	18.33	0	NT	NT	NT	NT	83.21	NT	18.34	0
21-Apr-14	83.93	NT	18.34	0	86.58	NT	18.18	0	102.80	NT	18.26	0	83.27	NT	18.28	0
8-May-14*	84.03	NT	18.24	0	86.68	NT	18.08	0	NT	NT	NT	NT	83.46	NT	18.09	0
22-May-14*	83.81	NT	18.46	0	86.47	NT	18.29	0	NT	NT	NT	NT	83.15	NT	18.40	0
27-May-14	83.91	NT	18.36	0	86.60	NT	18.16	0	102.85	NT	18.21	0	83.31	NT	18.24	0
10-Jun-14*	83.93	NT	18.34	0	86.55	NT	18.21	0	NT	NT	NT	NT	83.34	NT	18.21	0
23-Jun-14	84.06	NT	18.21	0	86.72	NT	18.04	0	103.99	NT	17.07	0	83.54	NT	18.01	0
21-Jul-14	84.13	NT	18.14	0	86.80	NT	17.96	0	102.98	NT	18.08	0	83.49	NT	18.06	0
27-Aug-14	84.01	NT	18.26	0	86.65	NT	18.11	0	102.87	NT	18.19	0	83.04	NT	18.51	0
25-Sep-14	84.64	NT	17.63	0	87.27	NT	17.49	0	103.51	NT	17.55	0	84.10	NT	17.45	0
28-Oct-14	83.79	NT	18.48	0	86.51	NT	18.25	0	102.78	NT	18.28	0	83.21	NT	18.34	0
20-Nov-14	83.87	NT	18.40	0	86.56	NT	18.20	0	102.78	NT	18.28	0	83.35	NT	18.20	0
23-Dec-14	83.67	NT	18.60	0	86.37	NT	18.39	0	102.64	NT	18.42	0	83.05	NT	18.50	0
28-Jan-15	83.63	NT	18.64	0	86.35	NT	18.41	0	102.63	NT	18.43	0	83.03	NT	18.52	0
27-Feb-15	83.68	NT	18.59	0	86.28	NT	18.48	0	102.52	NT	18.54	0	83.06	NT	18.49	0
26-Mar-15	83.83	NT	18.44	0	86.04	NT	18.72	0	102.79	NT	18.27	0	83.24	NT	18.31	0
21-Apr-15	84.33	NT	17.94	0	86.97	NT	17.79	0	103.18	NT	17.88	0	83.72	NT	17.83	0

Notes:

1 - Elevations were updated based on the Groundwater Flow Direction/Gradient and Tier 3 Risk Assessment Re-evaluation Letter Report, Red Hill Bulk Fuel Storage Facility, Pearl Harbor, Hawaii, Contract No. N47408-04-D-8514, Task Order 54, dated April 15, 2010.

Measurements recorded by ESI, unless otherwise noted.

\* - Measurements recorded by NAVFAC HI.

All units in feet (ft).

DTW (TOC) - depth to water from top of well casing

LNAPL - light non-aqueous phase liquid

NP - measurement not provided

NT - measurement not taken

SWL - static water level