

January 3, 2008

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California Regional Water Quality Control Board – Los Angeles  
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**Subject: Interim Report on Absorbent Socks at GMW-04 and MW-09 at the  
Defense Energy Support Center, DFSP Norwalk Site  
(SC No. 0286A,B, Site No. 16638 & 204DM00)**

The purpose of this letter is to provide a summary report on the installation and progress of absorbent socks at groundwater monitoring wells GMW-04 and MW-09.

4-inch SoakEase™ absorbent socks were initially installed in wells GMW-04 and MW-09 on October 10, 2007 and October 31, 2007, respectively. The socks have been checked and replaced as needed approximately every two weeks. The initial product thickness measured by Parsons on September 24, 2007 in wells GMW-04 and MW-09 was 0.45 feet and 0.99 feet, respectively. As of December 4, 2007, since absorbent socks have been passively collecting free phase product in these wells, the product thickness in wells GMW-04 and MW-09 has been reduced to zero and an observed sheen, respectively.

To date, based on the absorption rate of each sock, an estimated 1.5 gallons of free phase product from each well has been removed. Table 1 summarizes the monitoring at these two wells and provides an update on the progress. Monitoring and replacements of the socks as needed will continue to determine if there will be a rebound in free phase product in these wells or if the removal of the socks is warranted.

Geomatrix collected a product sample from each of these wells and submitted them to a laboratory for forensic evaluation. If you would like the forensic laboratory evaluation, please request a copy from Geomatrix.

If you have any questions concerning this letter, please contact me at (602) 852-9110.

Sincerely,



Redwan Hassan  
Project Manager

**Table 1  
Absorbent Sock Monitoring and Progress Summary**

<b>Location</b>	<b>Date</b>	<b>Depth to Product</b>	<b>Depth to Water</b>	<b>Product Thickness</b>	<b>Notes/Action</b>	<b>Estimated Gallons Removed</b>
GMW-04	9/24/2007	25.75	26.2	0.45	very dark brown product	
	10/10/2007	25.51	25.9	0.39	4-in SoakEase sock installed	
	10/31/2007	-	26.46	0	sock replaced	0.75
	11/15/2007	-	26.39	0	sock replaced	0.75
	11/15/2007	-	-	-	approx. 20 gallons purged via vacuum truck	
	11/16/2007	-	26.39	0	<24-hrs after purging	
	12/4/2007	-	26.37	0	sock not replaced	
	<b>Total Gallons Recoverd:</b>					
MW-09	9/24/2007	26.83	27.82	0.99	very clear product	
	10/10/2007	26.79	27.68	0.89		
	10/31/2007	27.81	28.67	0.86	4-in SoakEase sock installed	
	11/15/2007	27.94	28.15	0.21	sock replaced	0.75
	11/15/2007	-	-	-	approx. 20 gallons purged via vacuum truck	
	11/16/2007	27.94	28.15	0.21	<24-hrs after purging	
	12/4/2007	-	28.04	0	sheen - sock replaced	0.75
	<b>Total Gallons Recoverd:</b>					

Note: Sock absorption rate for a 4-in sock equals 3 quarts.  
Well purging logs from November 15, 2007 are attached.

Attachment:

Well Purging Logs for GMW-04 and MW-09

cc: Kola Olowu, DESC ([kola.olowu@dla.mil](mailto:kola.olowu@dla.mil))

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Joe Holdren, City of Cerritos, 18125 S. Bloomfield Avenue, Cerritos CA 90703

Benjamin Cardenas, Office of Congresswoman Grace Napolitano, 11627 E. Telegraph Road, Ste 100, Santa Fe Springs CA 90670

Attachment

Well Purging Logs for GMW-04 and MW-09

**PARSONS**

100 W. Walnut St.  
Pasadena, Ca. 91124

For conductivity reading only

**WELL PURGING LOG**

Project Name: DFSP Norwalk  
Project Number: 743447-02000  
Measured by: Rachel  
Date: 11/15/07

Well ID: GMW\_04  
Location: Norwalk, CA.  
Sample Collected by: NO  
Sample No.: N/A

**Equipment**

Purging Method/Equipment: Vacuum Truck  
Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer

**Purging Information**

Casing Diameter (inches): circle one

2	3	4	4.5	5	6	8	12	other
0.16	0.38	0.66	0.83	1.02	1.5	2.6	5.8	other

Gallons/linear foot

TD: \_\_\_\_\_ - DTW: \_\_\_\_\_ = \_\_\_\_\_ x  $\frac{\text{Gallons}}{\text{Water Column}}$  = \_\_\_\_\_ x  $\frac{\text{Casing}}{\text{1 casing volume}}$  = \_\_\_\_\_ Calculated Purge

Actual purge (gals): 20  
 Date Purged: 11/15/07 Start (2400 hr): 1323 End (2400 hr): 13:30  
 Date Sampled: N/A Time (2400 hr): N/A

Time (2400 hr)	Volume Purged (gals.)	Temp. (deg. C or F)	Electrical Conductivity (uS/cm or mS/cm)	Dissolve Oxygen (mg/L)	Color (Clarity)	Turbidity (NTU)	Odor	pH	Remarks
1323	1	27.2	1.29	4.54	cloudy	173	no	6.31	
1324	5	26.3	1.27	4.80	OK	12	no	6.44	
1326	10	26.6	1.33	5.10	clear	1	no	6.55	
1328	15	24.1	1.05	5.21	clear	11	no	6.55	
1330	20	24.8	1.14	5.31	clear	7	no	6.65	

Comments:  
Gauging 24 Hrs after purge : 26.39 DTW  
(no product)

Completed By: Rachel Kaitowski Signature: R. Kaitowski  
 (print name)

