

**From:** Gerald, Walter <WALTER.GERALD@aecom.com>  
**Sent:** Monday, April 3, 2017 4:26 PM  
**To:** Walker, Adelaide  
**Cc:** Bill Penn; Alexander, Leslee (Greenville)  
**Subject:** Delavan Site - Progress Update and Monitoring Well Request

Hi Addie,

Per our discussions this morning by teleconference, please find attached an update on the progress of the groundwater delineation in the shallow aquifer unit adjacent to the Delavan Spray Technologies facility in Bamberg, SC. We are requesting monitoring well approval for the installation of recommended shallow aquifer monitoring wells. As the investigation progresses in the limestone aquifer unit, we will provide that information along with recommendations for additional permanent monitoring wells.

Thanks again for your cooperation with this project. Please feel free to call me if you have any questions or need additional information.

Regards,  
Walter

**Walter C. Gerald, PG**  
Manager - Earth Sciences Mid-Southeast  
Design and Consulting Services Group  
D +1-864-234-8925  
M +1-864-313-4722  
[walter.gerald@aecom.com](mailto:walter.gerald@aecom.com)

**AECOM**  
10 Patewood Drive  
Building 6, Suite 500  
Greenville, SC 29615, USA  
T +1-864-234-3000  
[aecom.com](http://aecom.com)



AECOM  
10 Patewood Drive  
Bldg. 6, Suite 500  
Greenville, South Carolina 29615  
www.aecom.com

864 234 3000 tel  
864 234 3069 fax

April 3, 2017

Ms. Addie Walker, Project Manager  
SC Department of Health and Environmental Control  
Bureau of Land and Waste Management  
2600 Bull Street  
Columbia, SC 29201

Re: Status Report and Monitoring Well Installation Request  
Groundwater Delineation  
Delavan Spray Technologies Site  
Bamberg, South Carolina  
SCDHEC VCC Number 13-4762-RP  
SCDHEC File Number 51778  
AECOM Project Number 60314964

Dear Ms. Walker:

On behalf of United Technologies Corporation Aerospace Systems (UTAS), AECOM is providing you this status report on the progress for the off-Site Groundwater Delineation relating to the Delavan Spray Technologies Site. After securing access agreements from the respective property owners, two drill rigs were mobilized to the site on Monday, March 27, 2017 to begin the delineation work.

On the adjacent J. Kinsey property, 9 borings were advanced in the shallow aquifer. Soils were screened for organic vapors with a photoionization detector (PID) and groundwater samples collected for PCE screening by Shealy Environmental Services. Soil boring locations GW-DPT-1S through GW-DPT-9S are illustrated on Figure 3, attached. A summary of the soil and groundwater screening results is also attached in tabular format for your information.

Confirmatory groundwater monitoring will be accomplished through the installation of permanent monitoring wells. AECOM misinterpreted the temporary monitoring well approval letter that accompanied your correspondence of October 31, 2016 and installed two permanent wells in the shallow aquifer, as noted on the attached table. MW-27 was installed at the GW-DPT-4S location and MW-28 was installed at the GW-DPT-2S location (Figure 3). These locations were based on the field findings and interpreted plume geometry from prior investigations. Groundwater field screening data indicated 10 µg/L PCE at the GW-DPT-9S location. Therefore, we recommend installing a permanent well at this location to confirm that result. AECOM regrets the error setting the first two wells prior to contacting you and request monitoring well approval for MW-27, MW-28 and a third well to be installed at the GW-DPT-9S location.

Full monitoring well installation details will be included in the Groundwater Delineation Report.

The groundwater delineation program in the limestone aquifer across US Highway 301 is still progressing. The field screening data will be summarized in a similar manner and forwarded to you with recommendations for installation of permanent monitoring wells prior to proceeding.

Ms. Addie Walker  
April 3, 2017  
Page 2

Thank you for your understanding and cooperation with this project. If you have any questions or require further information, please feel free to contact me.

Sincerely,  
**AECOM Technical Services, Inc.**



Walter C. Gerald, P.G.  
Project Manager  
864-234-8925  
[walter.gerald@aecom.com](mailto:walter.gerald@aecom.com)

Enclosures

cc: Mr. Bill Penn – United Technologies Corporation

Off-Site Shallow Aquifer PID Screening  
UTC Delavan Spray Technologies Site

DEPTH IN FEET	Organic Vapor Screening (ppm)									DEPTH IN FEET	
	Tier 1 Borings				Tier 2 Borings						
	DPT-1S	DPT-2S (MW-28)	DPT-3S	DPT-4S (MW-27)	DPT-5S	DPT-6S	DPT-7S	DPT-8S	DPT-9S		
5.0				0.2				0.1	0.0	5.0	
				0.1							
				0.2				0.0	0.1	10.0	
10.0				0				0.2		15.0	
				0.4	0.6			0.7			
				0.7					0.3		
			0.1	2.6		0.8		0.6			
15.0	0.7				0.0					20.0	
	0.3	0.4									
	0.5			0.5	1.6				0.9		
	0.1	1.7	0.9	2.1		0.2					
20.0	0.9			EOB = 19 ft	0.6	1.3	EOB = 19 ft	0.1		25.0	
	0		0.8	18.4							
	0.4	1.1		8.1					0.3		
	0.2			6.1		0.8	0.9				
25.0	0.5	0.7	0.8	2.5	EOB = 24 ft	1.0			0.8	30.0	
	0.6			3			1.6		2.1		
30.0	2.1	0.3		EOB = 29 ft						35.0	
	EOB = 29 ft	EOB = 29 ft		1.1							
				1.3							
35.0				EOB = 34 ft							
Groundwater Screening Results (ug/L)											
< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	0.72 J	< 0.40	10			

Key:



GW Sample Interval



Monitoring Well Screened Interval

EOB

End of Boring (Total Exploration Depth)

PQL = 1.0 ug/L, MDL = 0.40 ug/L

