

Via Email

August 29, 2016

NC DEQ
DWM – Division of Waste Management - Superfund Section
1646 Mail Service Center
Raleigh, NC 27699-1646



Attention: Mr. Wade Kirby, PE, PG

Re: Former Production Well PW-1
Former ATL Site No. 24
Winston-Salem, North Carolina
H&H Job No. DOT-518

Dear Wade:

On behalf of the North Carolina Department of Transportation (NCDOT), Hart and Hickman, PC (H&H) is submitting this response to your letter dated June 23, 2016 requesting additional information regarding former onsite production well PW-1. This former water supply well was used at the former Asphalt Testing Laboratory (ATL) site 24 in Winston-Salem, NC. As you indicated in your letter, PW-1 was sampled in 1996 and contained trichloroethene (TCE). PW-1 was shallow with the reported total depth being only 28 ft. Monitoring wells are situated both upgradient and downgradient of the former location of PW-1 which are no longer impacted and have screen intervals that are similar to the depth of PW-1.

ARCADIS G&M reported in their August 23, 2002 Corrective Action Plan Addendum 2 that a facility operator indicated that PW-1 was no longer used. H&H began working on this project in 2014 and could not find any other information regarding the status of PW-1 in the previous consultant's environmental reports.

H&H reviewed historical aerial photographs available on Google Earth and historical maps from the Comprehensive Site Assessment (CSA). The 2005 Google Earth photograph indicates that the original site infrastructure was removed from the site. The 2008 and 2009 photographs

indicate that the site was cleared of infrastructure and redeveloped with current plant infrastructure in 2010.

AECOM noted in their 2010 Annual Groundwater Monitoring Report that several wells (MW-1, MW-2, MW-4, MW-6, MW-7, MW-8, and MW-10) were affected (missing or destroyed) by the redevelopment activities.

H&H compared the pre-redevelopment layout (Figure 1) to the current site layout (Figure 2) to determine where PW-1 would be located, if still present. The 2002 site layout is similar to the layout depicted in the CSA, and the location of PW-1 depicted on the attached Figure 1 is based on the location depicted on the CSA maps. The current site access road was extended in the southern portion of the site during redevelopment activities, and crosses through the former asphalt testing laboratory location and former location of PW-1.

On August 16, 2016, H&H conducted a site visit to visually observe the site for evidence of PW-1, identify the location of water meters, and to interview site workers regarding PW-1 and the current source of potable water. H&H observed the site including the plant and Mill Creek area and did not find evidence of PW-1. Site personnel did not have knowledge of PW-1. However, site personnel indicated that the site is provided potable water through municipal water lines which are connected to the quarry facilities, constructed in the late 1990s and located immediately east of the asphalt plant. The municipal water meter was identified at the intersection of Patterson Ave and the site access road.

In summary, based on a review of the site history with respect to PW-1, H&H believes that PW-1 was abandoned or destroyed during the redevelopment activities. Based on information provided by site personnel, the plant is connected to municipal water from the adjacent quarry facilities.

Mr. Wade Kirby, PE, PG

August 29, 2016

Page 3

In addition to the above information confirming PW-1 is no longer present, information was provided in our August 18, 2015 Site Closure Report regarding this site. This information included the contaminant concentration reductions following HRC bioenhancement injection events in 2003 and 2005 and the results of the four most recent groundwater monitoring events which indicated no impacts above NC 2L groundwater standards. Based on this information, H&H recommends that DEQ consider this site for incident closure. If you have any questions or need further information, please do not hesitate to contact us at 704-586-0007.

Sincerely,

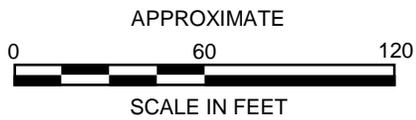
Hart & Hickman, PC



Matt Bramblett, PE
Principal and Project Manager

Attachments

cc: Mr. Chris Niver NCDOT (via Email)



TITLE	2002 SITE LAYOUT	
PROJECT	FORMER ATL NO. 24 WINSTON-SALEM, NORTH CAROLINA	
	 2923 South Tryon Street-Suite 100 Charlotte, North Carolina 28203 704-586-0007 (p) 704-586-0373 (f)	
	SMARTER ENVIRONMENTAL SOLUTIONS	
DATE:	08/17/16	REVISION NO: 0
JOB NO:	DOT-518	FIGURE: 1

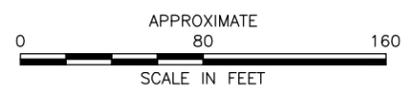


LEGEND

- SITE PROPERTY BOUNDARY
- MILL CREEK
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- DAMAGED OR DESTROYED MONITORING WELL
- SURFACE WATER SAMPLE LOCATION

NOTE:

AERIAL OBTAINED FROM FORSYTH COUNTY, N.C.



CURRENT SITE LAYOUT

PROJECT		FORMER ATL NO. 24 WINSTON-SALEM, NORTH CAROLINA	
DATE: 08/19/16		REVISION NO. 0	
JOB NO. DOT-518		FIGURE NO. 2	

hart hickman
 SMARTER ENVIRONMENTAL SOLUTIONS
 2923 South Tryon Street-Suite 100
 Charlotte, North Carolina 28203
 704-586-0007(p) 704-586-0373(f)
 License # C-1269 / #C-245 Geology