



July 6, 2010

Babb & Associates, P.A.

Mr. Ervin Lane, Hydrogeologist
Field Operations Branch
NC Solid Waste Section
Mail Service Center 1646
Raleigh, NC 27699-1646

Re: Soil Assessment Workplan
Westside C&D Facility/Permit No. 98-09
Wilson, North Carolina



Dear Ervin:

This workplan has been developed to assess the possible impact of leachate outside of the footprint of the Westside C&D facility in Wilson, North Carolina. This workplan is a requirement of the Compliance Order issued by the NC Solid Waste Section dated June 7, 2010.

The attached site map (Figure 1) shows the footprint of the existing landfill, the groundwater monitoring well system, and the four areas of leachate outbreak. Based on observations during a site visit on June 30, 2010 and discussions with facility personnel, the areas of surficial leachate stained soil have been excavated and placed back on the cap of the landfill. Additional clean fill material has been added to the side slopes on the western boundary of the landfill to flatten the slope and prevent future leachate outbreaks. There was no evidence of leachate stained soil in any of the four areas observed during the site visit. No fill material has been placed beyond the footprint of the landfill; however, some of the new fill material placed on the western side slopes has washed off during recent rainfall events.

In order to determine if residual contamination is present outside of the landfill footprint, soil samples will be collected in the four identified areas of leachate outbreak. One soil sample will be collected from each of the four areas and analyzed for:

Volatile Organics (Method 8260)
Total RCRA Metals
Sulfate
Phosphate
Nitrate

Each soil sample will be collected as a composite sample from each of the four areas, with each composite consisting of four aliquots. The sample collected for volatile organic analysis will be collected as a discrete sample from the approximate center of the identified area.

The four aliquots comprising each sample will be collected using a decontaminated stainless steel hand auger. The sample aliquot used to prepare the composite sample (or the volatile organic sample) will be collected from a depth of 6" – 12" below land surface. The stainless steel hand auger will be decontaminated between each of the four areas. The samples for RCRA metals, sulfate, phosphate, and nitrate will be composited in a stainless steel container and thoroughly mixed prior to sample collection.

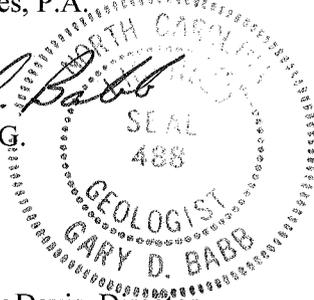
The samples will be placed in new containers provided by the analytical laboratory. The sample for volatile organic analysis will be preserved with sodium bisulfate and methanol. No preservative will be needed for the RCRA metals, sulfate, phosphate, or nitrate samples. The four soil samples will be shipped by FedEx to SGS Environmental Services of Wilmington, NC using chain of custody protocol for analysis.

If there are any questions or if you would like to discuss this workplan, please contact me at (919) 325-0696.

Respectfully,

Babb & Associates, P.A.


Gary D. Babb, P.G.
President



Cc: Mr. Andy Davis, Director
Wilson County Solid Waste

