



PAT MCCRORY  
*Governor*

DONALD R. VAN DER VAART  
*Secretary*

MICHAEL SCOTT  
*Director*

July 29, 2016

*Transmittal via email*

Flora D'Souza  
Shield Engineering, Inc.  
4301 Taggart Creek Road  
Charlotte, NC 28208

**Ref: Task Order 8344MON-2: Sampling of Water Supply Well**  
124 Cemetery Road, McAdenville, Gaston County  
Hickory Grove Road TCE | Site Id.# NCO000998344  
McKinney Circle, McAdenville, Gaston County

Dear Ms. D'Souza:

Please provide a cost estimate for conducting a sampling event at 124 Cemetery Road, which is located off of Hickory Grove Road, just north of the I-85 overpass.

**Scope of work for Task Order 8344MON-2:**

- Prepare a cost estimate in accordance with Shield Engineering's approved standard operating procedures and include a schedule of daily activities.
- Submit an itemized cost estimate that identifies personnel and materials involved.
- Sample collection should be conducted from the following locations:
  - two water fixtures within the home,
  - POE System influent and effluent, and
  - at the wellhead if accessible; otherwise, somewhere from the home prior to any filtration system.
- Reference the most recent Guidelines for Addressing Pre-Regulatory Landfills and Dumps for details regarding procedures.
- Analyze water from each sampling location for pH, ORP, conductivity, and turbidity using calibrated field instrumentation.
- Submit samples to a North Carolina-certified laboratory and analyze for the following parameters:
  - volatile organic compounds by SW-846 method 8260,
  - 1,4-dioxane by Method 8260-SIM,
  - semi-volatile organic compounds by SW-846 method 8270,
  - ammonia by SM 4500,
  - nitrate and sulfate by EPA Method 300, and

- hydrogen sulfide.
- Any alternate analytical methods should be the U.S. EPA Method having the lowest detection limit and that at least achieves the detections equivalent to the 15A NCAC 2L standards or where these are not available, then federal maximum contaminant limits (MCLs).

Please provide the work plan and cost estimate by August 1, 2016. A task authorization to begin work will be issued based on the approved proposal. Do not proceed with tasks prior to receiving this authorization.

Please contact me at [thomas.slusser@ncdenr.gov](mailto:thomas.slusser@ncdenr.gov) or 919-707-8331 if you have any questions.

Best Regards,

A handwritten signature in cursive script that reads "Thomas Slusser".

Thomas Slusser, L.G.  
Pre-Regulatory Landfill Unit  
Division of Waste Management