



PAT MCCRORY
Governor

DONALD R. VAN DER VAART
Secretary

MICHAEL E. SCOTT
Acting Director

March 21, 2016

Mr. Benjamin L. Bradley, Project Scientist
Schnabel Engineering South, PC
11A Oak Branch Drive
Greensboro, NC 27402

Re: Request for Work Plan & Cost Estimate for Task Order **653DP-15**
Additional Remedial Investigation – VOC Cross-Section and Confirmation SW/SD Study
Edgecombe County Landfill
2759 Colonial Rd, Tarboro, Edgecombe County, NC
ID#: NONCD0000653

Dear Ben:

Submit a task work plan and cost estimate to perform remedial investigation-contaminant delineation phase activities at the above referenced site. Conduct these activities in accordance with State Contract No. **N10004S**.

Investigation Goals: (1) an evaluation through cross-section of contaminant pathways of the VOCs at the western edge of the site; and (2) conduct a surface water and sediment study at the selected location.

Subtask Order 653DP-15A - Work Plan Development:

- Prepare a work plan in accordance with *Schnabel's* approved standard operating procedures dated *October 29, 2010*, and include a schedule of daily activities.
- Submit an itemized cost estimate that identifies personnel and materials involved.
- Reference the most recent Guidelines for Addressing Pre-Regulatory Landfills and Dumps for details regarding procedures.
- Ensure personnel in the field are qualified to identify contaminated material and landfill waste and comply with OSHA-required health and safety training. Before task activities begin, photograph areas or objects that may be disturbed. If needed, photograph affected areas and objects, restoration efforts, and noteworthy items encountered during task activities. Submit these photographs upon completion of the activities, and a review will determine if any need to be included in the report.
- Include background (light grey) topographic contour lines on figures detailing the Site and Site vicinity.
- For any field work, minimize the clearing of vegetative material to enable access to proposed sampling points. Using hand tools for clearing is the preferred method, otherwise an explanation must be provided for use of heavy equipment.



- Submit samples to a North Carolina-certified laboratory and analyze for the following parameters by the most current U.S. EPA Contract Laboratory Program Target Compound List: volatile organic compounds by SW-846 method 8260, 1,4-dioxane by Method 8260SIM, semi-volatile organic compounds by SW-846 method 8270, 14 metals by SW-846 method 6020, mercury by method 7471, ammonia by SM 4500, and nitrate and sulfate by EPA Method 300. Please note that any alternate method 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). Soil analysis methods must meet the IHSB Preliminary Soil Remediation Goals Table. No Tentatively Identified Compounds (TICs) in this Task Order.

Note: once all contaminants are determined, laboratory analysis may be reduced to those positively identified contaminants.

Subtask 653DP-15B: Surface Water/Sediment/Seep Investigation:

- Collect both a surface water and a sediment sample from the same location SW-3 of 653DP-3 Task.

Subtask 653DP-15C: Report

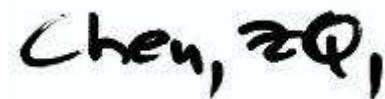
Compilation of the report will include: (1) an evaluation of the VOCs in the western edge of the site by developing a cross-section profile utilizing all the existing information available from previous investigations, such as boring logs, lithographic/sedimentary formation data, hydrological characterization, field PID screening logs, sampling depth controls, and analytical results. If necessary, a second cross-section profile for solid media may be developed. In the profile(s), the sampling depths and analytical results of all the identified VOCs need be presented, along shown with corresponding NC 2B/2L/MCI and PSRG values; (2). An analysis of the surface water and sediment samples from the same location of **SW-3** in 653DP-3 Task Order. The report which will be titled: “***Remedial Investigation – the VOC Profile along the Western Edge of the Site, and Surface Water and Sediment Sampling and Analysis***”.

The report is to contain the following items:

- Text, tables, and figures to adequately summarize task activities.
- A section concerning any variations from the work plan or your SOPs.

Provide the work plan and cost estimate by March 30, 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. If you have any questions or concerns, contact me at (919)707-8347.

Sincerely,



Ziqiang Chen, PhD, Environmental Engineer II
Division of Waste Management – NCDEQ