



PAT MCCRORY

Governor

DONALD R. VAN DER VAART

Secretary

LINDA CULPEPPER

Director

January 26, 2016

Mr. Mathew Colone
CDM-Smith
5400 Glenwood Avenue, Suite 300
Raleigh, North Carolina 27612

Re: Task Order 1065DP-7, 8, 9, & 10 Work Plan and Cost Proposal Request
Old Charlotte Landfill/Vanguard Center
Mecklenburg County, NC
ID #NONCD0001065
State Contract No: N13004S

Dear Mr. Colone,

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. N13004S.

Investigation Goals: The goals of this phase of work are to investigate landfill gas across the site. This includes monthly landfill gas monitoring for a period of four months using the existing landfill gas probes at the site.

Scope of work for Task Order 1065DP-7, 8, 9 & 10:

- Prepare a work plan in accordance with CDM Smith's approved standard operating procedures dated May 30, 2013, 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.
- Upon completion of task activities, submit field notes, photographs, and validated analytical results for review.

1065DP-7 - Landfill Gas Probe Screening

- Collect landfill gas probe field screening measurements for VOC's, methane, hydrogen sulfide, oxygen, carbon dioxide, barometric pressure and hydrogen sulfide from all landfill gas probes at the site (GP-1 through GP-12). Gas probe locations are presented on the attached figure.
- Do not abandon the gas probes as they may be used for additional measurements and sampling in the future.
- Compare landfill gas probe screening results with the IHSB Residential Vapor Intrusion Screening levels.
- Do not abandon the gas probes following screening. A review of the field testing results will determine subsequent sample collection.
- Prepare a brief letter/report presenting the results of these activities.

1065DP-8 - Landfill Gas Probe Screening

- One month following the field activities for task order 1065DP-7, screen the landfill gas probes (GP-1 through GP-12) for volatile organic compounds (VOCs), methane, oxygen, carbon dioxide, barometric pressure and hydrogen sulfide.
- Compare landfill gas probe screening results with the IHSB Residential Vapor Intrusion Screening levels.
- Do not abandon the gas probes following screening. A review of the field testing results will determine subsequent sample collection.
- Prepare a brief letter/report presenting the results of these activities.

1065DP-9 - Landfill Gas Probe Screening

- One month following the field activities for task order 1065DP-8, screen the landfill gas probes (GP-1 through GP-12) for volatile organic compounds (VOCs), methane, oxygen, carbon dioxide, barometric pressure and hydrogen sulfide.
- Compare landfill gas probe screening results with the IHSB Residential Vapor Intrusion Screening levels.
- Do not abandon the gas probes following screening. A review of the field testing results will determine subsequent sample collection.
- Prepare a brief letter/report presenting the results of these activities.



1065DP-10 - Landfill Gas Probe Screening

- One month following the field activities for task order 1065DP-9, screen the landfill gas probes (GP-1 through GP-12) for volatile organic compounds (VOCs), methane, oxygen, carbon dioxide, barometric pressure and hydrogen sulfide.
- Compare landfill gas probe screening results with the IHSB Residential Vapor Intrusion Screening levels.
- Do not abandon the gas probes following screening. A review of the field testing results will determine subsequent sample collection.
- Prepare a brief letter/report presenting the results of these activities.

Provide the work plan and cost estimate by February 9, 2015. 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)707-8230.

Sincerely,



David P. Kwiatkowski, L.G., Hydrogeologist
Division of Waste Management – NCDEQ

