



PAT MCCRORY
Governor

DONALD R. VAN DER VAART
Secretary

MICHAEL SCOTT
Acting Director

April 11, 2016

Ms, Joan Smyth, P.G.
Smith Gardner, Inc.
14 N. Boylan Avenue
Raleigh, NC 27603

REF: Approval of Rock Blasting Plan
Davidson County MSWLF – Phase II Area 2 – Cell 2
Permit No. 2906-MSWLF-2008
Davidson County, North Carolina
DIN 25937

Dear Ms. Smyth:

The Solid Waste Section (Section) has completed a review of the *General Blasting Plan for Davidson County MSW Landfill Phase 2, Area 2 – Cell 2* (DIN 25934) submitted via email to Mr. Perry Sugg (Section Hydrogeologist) on April 8, 2016. The plan was prepared by National Quarry Service Inc. and was submitted on behalf of Davidson County by Ms. Joan Smith and Mr. Pieter Scheer of Smith Gardner Inc. Blasting was previously required for adjacent Cell 1 in 2013-14 and exposed rock is present in a portion of Area 2-Cell 2 footprint. Smith-Gardner estimates an approximately 20,000 cubic yards of rock will require removal for construction of Cell 2. Further investigation is planned in the coming weeks to acquire better detail on the existing rock presence in this area.

The General Rock Blasting Plan is approved by the Section as described, with the following conditions:

- Water level measurements will be collected in monitoring wells MW-2, MW-10s, and MW-10d immediately prior to and immediately after any blasting activities; at weekly intervals during blasting period; and 1 week after all blasting is completed.
- The owner, or representative, will notify the Section Engineer or Permitting Hydrogeologist of the blasting schedule at least one week in advance of commencement of blasting.
- Within 30 of completion of all blasting activities, a Blasting Results Report will be submitted to the Section. The report will document all activities including, but not limited to, water level measurements, final volumes removed, and top of resulting top of rock elevations.
- The final Blasting Results Report shall also be included in the final CQA report.

If any significant changes to the planned rock blasting activities are made after further investigation, notify the Section for further review and, if warranted, approval.

If you have any questions or would care to discuss further, please do not hesitate to contact either Ming-tai Chao at (919) 707.8251, or me at (919) 707.8258. We appreciate your efforts in addressing this matter.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Perry Sugg', with a stylized flourish at the end.

Perry Sugg, PG
Permitting Hydrogeologist
Solid Waste Section

Cc: Pieter Scheer PE – Smith Gardner
Ming-tao Chao PE – SWS Permitting Engineer
Susan Helm – SWS Environmental Specialist