

SCS ENGINEERS, PC

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Mr. John Murray, P.E.
Regional Engineer
NCDENR - Division of Waste Management
Solid Waste Section - Permitting Branch
Mooresville Regional Office
610 East Center Avenue
Mooresville, North Carolina 28115

Subject: Charlotte Motor Speedway V
Landfill Gas Collection and Control System
Landfill Vertical Expansion

Dear Mr. Murray:

On behalf of BFI Waste Systems of North America, Inc. and the Charlotte Motor Speedway Landfill V (CMS Landfill), SCS Engineers provides this letter describing the general procedures and guidelines to be followed during the planned vertical modification of the CMS Landfill.

Landfill gas wells and associated landfill gas lateral piping will be raised in conjunction with the waste filling activities. Operation and monitoring of the raised wells will continue to be performed in accordance with the Landfill's Title V Air Operating Permit and relevant conditions in the Landfill's NSPS GCCS Design Plan.

Throughout the waste filling process and once the waste placement in the vicinity of a raised well is complete, the performance of the well will be assessed. Based on the well's performance (e.g., flow, methane content, etc.), results from the quarterly surface emissions monitoring, and the actual length the well was raised, the following actions will be evaluated:

- Install a replacement well and decommission the existing well.
- Install a shallow "companion" well next to the existing well and keep the existing well on line.
- Keep the existing well as is.

In addition to the assessment of the well network during the vertical modification, the performance and condition of the landfill gas piping system (header pipe, lateral pipe, and valves) will also be evaluated. This evaluation will include measuring the available vacuum and



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determining the pressure drop within the piping network. Based on the available vacuum and pressure drop within the piping network, new or temporary landfill gas piping may be necessary.

The CMS Landfill, SCS Engineers, and the operation & monitoring consultant (Landmark) plan to work closely during the waste filling process to ensure a compliant landfill gas collection and control system at the CMS Landfill. We hope this information is informative and if you have any questions or comments, please contact Mike Gurley at 704-400-6557 or Steve Lamb at 704-504-3107.

Sincerely,

A handwritten signature in blue ink, appearing to read "Steve C. Lamb".

Steven C. Lamb, PE
Vice President
SCS ENGINEERS

cc: Mike Gurley, Environmental Manager CMS Landfill
Bartow Keller, General Manager CMS Landfill

Enclosures

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