

Permit No.	Date	DIN
44-07	December 21, 2011	15808



December 21, 2011

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**December 21, 2011**  
Solid Waste Section  
Asheville Regional Office

Mr. Allen Gaither, PE  
Solid Waste Permitting Section  
Division of Waste Management  
North Carolina Department of Environment and Natural Resources  
2090 U.S. Highway 70  
Swannanoa, North Carolina 28778

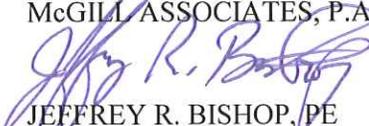
RE: Stability Analysis  
Phase 2 Western Slope  
White Oak MSW Landfill  
Haywood County, North Carolina

Dear Mr. Vail:

Per our telephone discussion on December 16, 2011, regarding the fill grade for Phase 2 at the White Oak MSW Landfill, McGill Associates has performed a stability analysis for the proposed fill slope along the western slope of Phase 2. Santek Environmental submitted, on December 12, 2011, a drawing showing proposed fill grades for Phase 2 to clarify the permitted grades for this phase. The submitted grades for Phase 2 indicated a 3:1 fill along the western slope. The original permitted grades shown on the Municipal Engineering drawings, dated March 2000, indicated a 4:1 slope permitted on the western slope. Since the revised slope grade was a change to the permitted grades, we discussed that you would need a certification from McGill Associates, that the proposed slope change would be stable.

McGill Associates has completed a stability analysis for the western slope of Phase 2 incorporating the proposed grades shown for Phase 2 and the additional fill grades that will be placed during the operation of Phase 3. Our analysis included both static and dynamic conditions based on normal waste filling operations and proper management of surface water and leachate. Based on our analysis, the proposed grades for Phase 2 provide an acceptable factor of safety and are considered stable.

Please call should you need additional information or have any questions.

Sincerely,  
McGILL ASSOCIATES, P.A.  
  
JEFFREY R. BISHOP, PE  
Director of Solid Waste Services

Cc: Mr. Ron Vail, Santek Environmental

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