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September 16, 2016

Sent Via Email – majones@hendersoncountync.org

Mr. Marcus Jones  
Henderson County  
Director of Engineering  
802 Stoney Mountain Road  
Hendersonville, NC 28791

Re: *Revised Landfill Gas Remediation Plan-Methane Exceedances at Methane Monitoring Well MP-4*  
Closed Henderson County MSW Landfill  
Henderson County  
Solid Waste Section Permit Number 4501  
DIN 26732

Dear Mr. Jones:

The Solid Waste Section has completed a review of the *Revised Landfill Gas Remediation Plan – Methane Exceedances at Methane Monitoring Well MP-4* dated September 15, 2016 (DIN 26731) and submitted on behalf of Henderson County by Golder Associates for the closed Henderson County MSW Landfill, Solid Waste Permit Number 4501. The plan was submitted in response to confirmed methane gas exceedances within the compliance methane monitoring well, MP-4, and in accordance with 15A NCAC 13B .1626(4)(c).

Landfill gas remediation will consist of best management practices that include repairs to the landfill cap and the installation of a cut-off trench methane gas trench between the MSW waste unit and methane monitoring well MP-4. The trench is proposed to be approximately 250 feet long, two to four feet wide, and 20 feet deep. In addition, two vents will be installed and located 50 feet from each end of the trench. Per the plan, the installation of the proposed cut-off trench will be initiated *within 90 days of any future LEL exceedances from methane monitoring well MP-4*. The most recent quarterly methane gas monitoring was conducted on September 7, 2016, and there were no methane gas exceedances during that time. During that specific day and time the reading was taken, methane monitoring well MP-4 had a detection of 12% LEL. However, methane monitoring well MP-4 has had exceedances of the lower explosive limit (LEL) during the quarterly events conducted on June 11, 2015, September 23, 2015, and June 16, 2016.

As a result, the *Revised Landfill Gas Remediation Plan – Methane Exceedances at Methane Monitoring Well MP-4* is approved as described with one exception. Based upon the 2015 and 2016 methane gas exceedances within methane monitoring well MP-4, the observations that occurred during the August 10, 2016 site inspection, the lack of an active landfill gas system, and the high risk associated with methane gas migration, *please initiate the installation of the proposed cut-off trench within 90 days of receipt of this letter*. Henderson County must take all necessary steps to ensure the protection of public health. If

