

February 24, 2012

North Carolina Department of Environment and Natural Resources
Division of Waste Management
1646 Mail Service Center
Raleigh, North Carolina 27699-1646
Attention: Ms. Jaclyne Drummond

Via Email

ERM NC, Inc.
8000 Corporate Center Drive
Suite 200
Charlotte, NC 28226
(704) 541-8345
(704) 541-8416 (fax)

Subject: Temporary Use of Well PW-1
R.J. Reynolds Ash Landfill - Permit #34-05
Edwards Road
Rural Hall, Forsyth County, North Carolina



Dear Ms. Drummond:

On behalf of R.J. Reynolds Tobacco Company, ERM NC, Inc. (ERM) is submitting this letter as a formal request to temporarily withdraw water from existing well PW-1 at the referenced site for purposes of construction dust control (non-potable only). No other sources of water for dust control purposes are available on the landfill property. This well previously served as the non-potable water supply for dust control purposes during active operation of the landfill. The PW-1 well was removed from service in August 2009 by removal of the submersible pump. Use of this well as a water source for dust control would require installation of a new pump for a period of approximately five months during construction of a modified landfill cap. Upon completion of the cap construction, the pump and appurtenances will be removed from PW-1.

Well PW-1 is located near the geographic center of the Edwards Road Landfill with recent groundwater sampling results indicating a sulfate concentration of approximately 1,000 mg/l. An average withdrawal rate of 8,500 gallons per day is anticipated during the construction activities. This withdrawal rate may temporarily alter the groundwater flow on a local bedrock aquifer creating a trend of flow towards well PW-1. Sulfate-affected groundwater in the bedrock aquifer near the PW-1 well is expected to flow away from nearby surface water bodies, including Leak Creek, and back toward the landfill footprint during pumping activities. The proposed use of well PW-1 as described is not expected to create new preferred contaminant flow paths.

Please contact us if you have any questions or require additional information concerning this request at (704) 541-8345.

Sincerely,



Alan Martin, P.G.
Project Manager



David Wasiela, P.E.
Project Engineer

cc: Mr. Jason Watkins - NCDENR DWM Winston-Salem Regional Office
Ms. Yong Yi - R.J. Reynolds Tobacco Company
Mr. Max Hopkins - R.J. Reynolds Tobacco Company