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To PAUL BANKS	From JIM BATESON	
Co. ESI	Co. SOLID WASTE	
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FAX MEMORANDUM

To: Paul Banks, ESI

Date: January 20, 1995

From: Jim Bateson, Solid Waste Section

RE: Revisions to N. Mecklenburg C&D Landfill Permit Application;  
Response to January 18 Letter to Bobby Lutfy.

I reviewed the revisions to the grading plan and to the monitoring plan outlined in your letter, faxed to our office this morning. The proposed changes seem to match the plan of action that we agreed to during our meeting at the site on January 12th. Jan McHargue will be able to start writing the permit once we have received the revised complete application package from ESI and Frank Hicks. This will need to contain a monitoring plan text with details of sampling frequency and procedures, analytical constituents and protocols, as well as details of monitoring well construction, proposed or actual. I lifted the following paragraph from another document for your reference:

In addition to the basic design requirements of the N.C. Well Construction Standards, 15A NCAC 2C, the Solid Waste Section has certain requirements for the location and design of monitoring wells at landfills. In order to limit dilution of chemical constituents and to limit possible spread of contamination, well screens should not normally exceed 15 feet in length. The sand filter pack should extend no more than one foot below the screen or two feet above the screen. Generally shallow monitoring wells are screened at the water table with a 15 foot screen set so that the top of the screen is just above the seasonal high water table. Where groundwater may reach levels of less than five feet, tops of screens need to be set at five feet in order to accommodate adequate seals to prevent surface water inflow. Deeper wells are generally constructed with ten foot well screens.

*from ground surface*

Thanks,  
Jim Bateson