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Michael F. Easley
Governor

William G. Ross, Jr., Secretary
Department of Environment and Natural Resources

Kerr T. Stevens
Division of Water Quality

GROUNDWATER SECTION
July 13, 2001

Air Drilling Company
2736 Commerce Blvd.
Statesville, North Carolina 28677
Attention: Mr. Wilson Martin

RE: Request for Variance -
NORTH CAROLINA WELL CONSTRUCTION STANDARDS
Rule 15A NCAC 2C .0107(a)(2)(N) -Separation Distance Between a Well and a Surface Water Body
Greyfriar's Cove Lot #6 Well
Iredell County, N.C.

Dear Mr. Martin:

I am writing in response to Toney Jacob's letter which was received in this office on July 10, 2001. Mr. Jacobs is requesting approval of a variance from the referenced Rule, which requires a 50 foot horizontal separation distance between a well and a surface water body. Because of the size of the lot and the location of the house, septic tank and drainfield, the only suitable location for the well is 25 feet from the lake.

Since the well will not meet the regulatory requirements, the following factors would act to mitigate any potential problems that could affect human health and/or the well's effective operation:

1. galvanized casing shall be used;

2. the casing shall be seated at least 20 feet down into consolidated rock;

3. the bottommost string of casing shall be provided with a drive shoe meeting the specifications of Rule 15A NCAC 2C .0107(d)(1)(F);

Based on my review of the available information and recommendations by our staff, it is my finding that the factors specified above are sufficient to satisfy the conditions for approval of a variance as defined in 15A NCAC 2C .0118. A copy of this variance should be attached to the required WELL CONSTRUCTION RECORD (Form GW-1).