



Tom Carroll
File

92-10

State of North Carolina
Department of Natural Resources and Community Development
Division of Land Resources
512 North Salisbury Street • Raleigh, North Carolina 27611

James G. Martin, Governor
William W. Cobey, Jr., Secretary

March 21, 1989

Stephen G. Conrad
Director

Mr. John Bratton, Jr., P.E.
Wake Stone Corporation
P. O. Box 190
Knightdale, NC 27545

RE: Approval to Impound
Triangle Quarry Dam
Wake County

Dear Mr. Bratton:

"As-Built" plans and the engineer's certification accompanying your request dated February 2, 1989 for permanent impoundment of the subject dam have been reviewed. An inspection on March 20, 1989 revealed an area of boil activity at the right downstream toe which was noted in previous inspections on January 24, 1989 and February 7, 1989. The boil activity does not appear to be an immediate threat to the dam. However, it is possible for such activity to get progressively worse and endanger the safety of the dam.

Per your request of February 2, 1989, you are hereby granted an Approval to Impound subject to the following stipulations:

- (1) A graded or weighted filter, or other remedial measure shall be constructed in the vicinity of the boil activity. Plans and specifications must be submitted to our office by April 30, 1989 for review and approval.
- (2) The boil activity shall be monitored by Wake Stone Corporation at least twice a week until the approved remedial measure has been constructed after which the monitoring schedule may be revised. Our office shall be notified immediately if further boil activity occurs.

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If any buffer zone is affected by construction for the remedial measure, a modification in Wake Stone Corporation's Mining Permit may be required and should be submitted under separate cover.

Please contact Mr. Jim Simons, P.G., P.E., 733-4574, if you have any questions concerning this matter.

Sincerely,

Stephen G. Conrad

Stephen G. Conrad

SGC:JKL:se

cc: Mr. John Holley, P.E.
Mr. Tom Carroll, P.G.