

# Georgia Department of Natural Resources

205 Butler Street, S.E., East Floyd Tower, Atlanta, Georgia 30334

Lonice C. Barrett, Commissioner  
Harold F. Reheis, Director  
Environmental Protection Division

April 15, 1996

**FILE COPY**

Big Canoe Property Owners Association  
Wolfscratch Village  
Big Canoe, GA 30413

**SUBJECT:** Lake Petit Dam  
Pickens County

Ladies & Gentlemen:

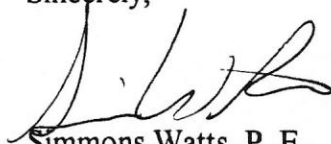
On March 20, 1996, our staff performed the annual inspection on the subject dam. During the inspection, the following items were noted:

1. The entire dam had been cut, cleared and is receiving regular maintenance.
2. There was an area of erosion damage to the right of the old principal spillway channel that needs to be repaired.
3. Some seepage was continuing to occur around the wingwall structure.
4. The concrete ditches below the second and third berm (count from the bottom to the top) need to be clean and cleared of trash.
5. The large wet area on the second berm, left side near the toe of the berm needs to be monitored and if a change occurs, our office notified.
6. Another wet area was noted on the second berm in the middle. This area needs to be investigated to determine the source of the water.
7. On the right side of the weir spillway at the top, there are two longitudinal cracks and a large cavitation area in between the cracks.
8. There appears to be water leaking under the weir wall of the principal spillway.
9. Several logs were noted in the spillway near the toe. These need to be removed.
10. Attached is a copy of the Subsequent Visual Inspection Report for your records.

Items' #6, #7, and #8 are very serious problems. Since this dam is a Category I Dam (probable loss of human life in the event of a sudden failure) you will need to hire an engineer to investigate these items and give us a written report as to his findings and possible solutions. You need to inform this office in writing as to your choice of an engineer/engineering firm by May 10, 1996. Your engineer is to submit his findings to us by June 21, 1996. Again, since this dam is a Category I structure, no work is to be done until your engineer's solution to the above problems has been approved in writing by our office. We are attaching a list of engineering firms that we have dealt within the past and you may wish to contact.

If you should have any questions, please contact this office at 404/362-2678.

Sincerely,



Simmons Watts, P. E.  
Principal Environmental Engineer  
Safe Dams Program

SW:kf

Attachments