



# Wolf Creek Dam Weekly Update

US Army Corps of Engineers  
Nashville District

12 December 2007

## Construction Report

**Foundation Grouting.** To date, all 50 holes in the gallery have been drilled and grouted with a total of over 4447 gallons of grout. Boart Longyear continued drilling (overburden) and casing using the sonic method in the critical section of TO#4. Boart is running 5 rigs on the day shift, and 4 on the night shift. There are a total of 750 holes in Overburden, drilled and cased. Rock coring and drilling on the work platform continued this week, as well as pressure washing and grouting operations. ACT/Boart Longyear completed the five exploratory holes in Critical Area #1, as well as 8 of the 15 exploratory alluvium holes. ACT/Boart Longyear also worked on V-Line treatment, with one of 23 completed. There is a total of over 307,500 gallons of grout in 384 holes along the embankment. To date, over 312,028 gallons of grout have been pumped into the foundation.

**Resident Office.** The Contractor worked on “punch-list” items. The fencing contractor has completed fence installation.



Foundation grouting work platform

## This Week's Activities

- Continue sonic drilling and installation of PVC casing
- Continue rock coring and rock production drilling
- Continue pressure testing and grouting
- Continue work on exploratory alluvium holes
- Continue work on V-Line treatment

## Water Management Report

Lake Cumberland elevation on 12/12/07 was 681.68. Recent rainfall events in the Lake Cumberland basin produced some runoff. The discharge was increased this morning to 3300cfs and this increase is expected to stop the pool from rising. There is approximately one inch of rainfall predicted over the next few days. If the rain develops, additional increases in discharge will be necessary.

## Lake Cumberland Elevation

**681.68**

Time: 0600

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