



# Wolf Creek Dam Weekly Update

US Army Corps of Engineers  
Nashville District

23 May 2007

## Construction Report

**Foundation Grouting.** ACT continued the drilling operation parallel to the dam in the gallery. This will supplement the down stream grout line in the 800' critical reach. A total of 30 holes have been drilled and 29 of those have been grouted. The second drill (U6) was tooled up and began drilling. Prosonic has successfully drilled and cased 58 holes on the embankment, using the sonic method. A large Cubex drill arrived on site and will be used for production rock drilling.

Kiewit is in final grade with aggregate on the access ramp to the platform from US 127. Kiewit completed construction of outer retention berm. Impervious material placement has been completed as well. Concrete placement is complete to Station 61+20. Concrete curb is complete to Station 53+50. Rock coring on the platform continued, 7 holes have been drilled and core logged.

**Halcomb's Landing.** VCI-Doyon continued to drill, blast, haul, and compact rock in parking lot (Phase 3 area) and at the new Powerhouse Road location. Drilling and blasting continued on the US 127 widening area. Construction on the new boat ramp continued; 16 sections of the cast-in-place concrete complete, as well as 2 sections of the pre-cast concrete, for a total of approximately 21,080 SF in place. 3 of the 4 lanes are 70% complete; the 4th lane is 5% complete. We have directed the contractor to have 3 lanes of the boat ramp temporarily open for the upcoming holiday weekend.

**Drawdown Mitigation.** Work at Alligator Dock #2 has been completed. All lanes are useable at Lees Ford Marina. At Buck Creek Marina we can only extend one lane, bedrock elevation will prevent extending a second lane. At Conley Bottom, we've completed one lane and the marina operator completed 4 others.



Work Continues on the temporary work platform

## This Week's Activities

- Continue drilling and grouting in the gallery with both drills
- Kiewit to continue to place concrete and work on the access road to the platform
- Continue sonic drilling on the permanent work platform and installation of PVC casing on the embankment, with 2 drills
- Rock production drilling to begin
- Continue to drill, blast, and compact shot rock in Halcomb's landing parking lot, Phase III
- Continue excavation on boat ramp access road and US 127 widening, haul operations to the new Power House Road
- Accelerated work to make the new ramp useable for the holiday weekend

## Water Management Report

Wolf Creek headwater elevation on Monday was 680.53. The plan is to reduce the flows to 1,000 cfs per day by Friday to avoid drawing the lake below 680.0. This will create problems downstream particularly since it is too early in the year to use the stored water at the other projects. The hourly scheduling will need to be coordinated with all the interest groups very carefully to avoid navigation problems and

cooling water issues at the fossil plants on the Cumberland River.

## Lake Cumberland Elevation

# 680.53

Time: 0600  
21 May 2007

