



# Wolf Creek Dam Weekly Update

US Army Corps of Engineers  
Nashville District

24 Apr 2007

## Construction Report

**Foundation Grouting.** ACT continued the drilling and grouting operation parallel to the dam in the gallery. This will supplement the down stream grout line in the 800' critical reach. A total of 24 holes have been drilled and all 23 of those have been grouted. The second (Atlas Copco) drill could not be adapted to gallery drilling so it was removed from the gallery on 4/17. The first drill was able to commence gallery drilling. Prosonic has successfully drilled and cased 9 holes on the embankment, using the sonic method. A second drill arrived on site on 4/18 and began drilling at Station 37+60.

Grout Plant arrived on site on 4/19, and is being setup on the platform. A triple-wide trailer for the crew has been setup as well. Kiewit continued construction of outer retention berm to Station 58+00 and embankment to Station 50+50 on the permanent platform. Unsuitable material is being removed and supplemented with offsite borrow. Concrete placement is complete to Station 43+00; 2 of the 4 lanes are complete to Station 52+30; one section is complete to Station 54+00.

**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. Electric line relocations have been completed and phone line relocations have begun. Concrete placement for the new boat ramp began, with two sections being completed.

**Drawdown Mitigation.** Work has been completed at Fall Creek marina with one 22' wide lane being operable. Ramp work at Ono is nearing completion by 3/30 and currently the access road is passable, but the county still has more work to do.



Drilling and excavation activities at the new entrance to Halcomb's Landing

## This Week's Activities

- Continue drilling and grouting in the gallery with one drills
- Kiewit to continue to place berm and embankment material
- Continue sonic drilling on the permanent work platform
- Continue to drill, blast, and compact shot rock in Halcomb's landing parking lot, Phase III
- Continue excavation on boat ramp access road and haul operations to the new Power House Road
- SKRECC to set power poles across the dam, on the downstream side of the road for ACT electric use and as a safety enhancement

## Water Management Report

This morning the Lake Cumberland headwater elevation was 682.3 and is falling. Our plan is to continue to run at turbine capacity until the lake level reaches 681 and then reduce flows incrementally as the elevation reaches 680. The current schedule includes full turbine generation through Tuesday, but

with approximately 1.25 inches of rain in the forecast over the next three days this operation could be extended for several more days. Some of the downstream Cumberland River projects are running at maximum capacity and any increase in runoff would make it necessary to operate spillway gates.

## Lake Cumberland Elevation

682.3

Time: 0600

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