



Arkansas Natural Resources Commission



J. Randy Young, PE
Executive Director

101 East Capitol, Suite 350
Little Rock, Arkansas 72201
<http://www.anrc.arkansas.gov/>

Phone: (501) 682-1611
Fax: (501) 682-3991
E-mail: anrc@arkansas.gov

Asa Hutchinson
Governor

November 19, 2015

Mr. Eric Fletcher
The AGRED Foundation
415 Texas Street, Suite 201
Shreveport, LA 71101

RE: INSPECTION: PERMIT 299 -- LAKE ERLING DAM – LAFAYETTE CO.

Dear Mr. Fletcher:

My most recent inspection of this dam took place on 2 October 2015 with Mr. Ernest Cook accompanying me. Our records currently indicate that this dam's hazard classification is "significant." At the time of the inspection the immediate downstream area did not present any evidence that revisiting this classification is currently necessary. Thankfully, you have already prepared an EAP for your dam should the need to reclassify arise.

Once again, your maintenance efforts on this dam appear to be both diligent and effective. The few items that I observed which could be improved were minimal in nature, but I will review them nonetheless.

As has been typical with the maintenance of this structure, the upstream slope demonstrated a healthy covering of appropriate vegetation. The small deviations in the observable line of riprap are still present, but I do not believe the energy dissipating effectiveness is lessened by the current condition.

The crest and downstream slope had no observable issues which would indicate any structural deficiencies, erosion concerns or maintenance shortcomings are present.

Seepage levels were consistent with past observations and appear to fluctuate, as expected, with the level of the lake. The seepage did not appear turbid, nor was it exiting at a point source or at a high velocity.

Your siphon system was not operated during my visit. The component pieces appeared sound and no evidence of burrowing under or around the structural elements was present.

The primary spillway structure also appeared in good condition with the exception of the access bridge to the upstream intake. As you are aware some of the supports have deteriorated over time and should be repaired to ensure safe and continued access. Mr. Cook detailed his intended repairs during our discussion and they should remedy the situation effectively. Your continued efforts on the auxiliary spillway are appreciated and will hopefully stand up to the local bird population and its efforts to build nests with the material. From the evidence available to me I do not think you should have much concern and should have staved off any potential concerns with your work.

Beyond the presence of the staff gage in the auxiliary spillway I am not aware of any instrumentation or monitoring other than regular visits by your staff. This is not necessarily a shortcoming, merely an observation. It has not prevented the dam from maintaining an excellent record of performance and maintenance up to this date and I do not envision it doing so in the future.

Once again I would like to state that your dam is in very good condition based on all of the evidence available to me. Thank you for your continued efforts and conscientious management of this resource.

If I can answer any questions or provide assistance, please contact me at 501.682.6739

Sincerely,

Ryan Brooks
Hydrologic Engineer

RB: rb

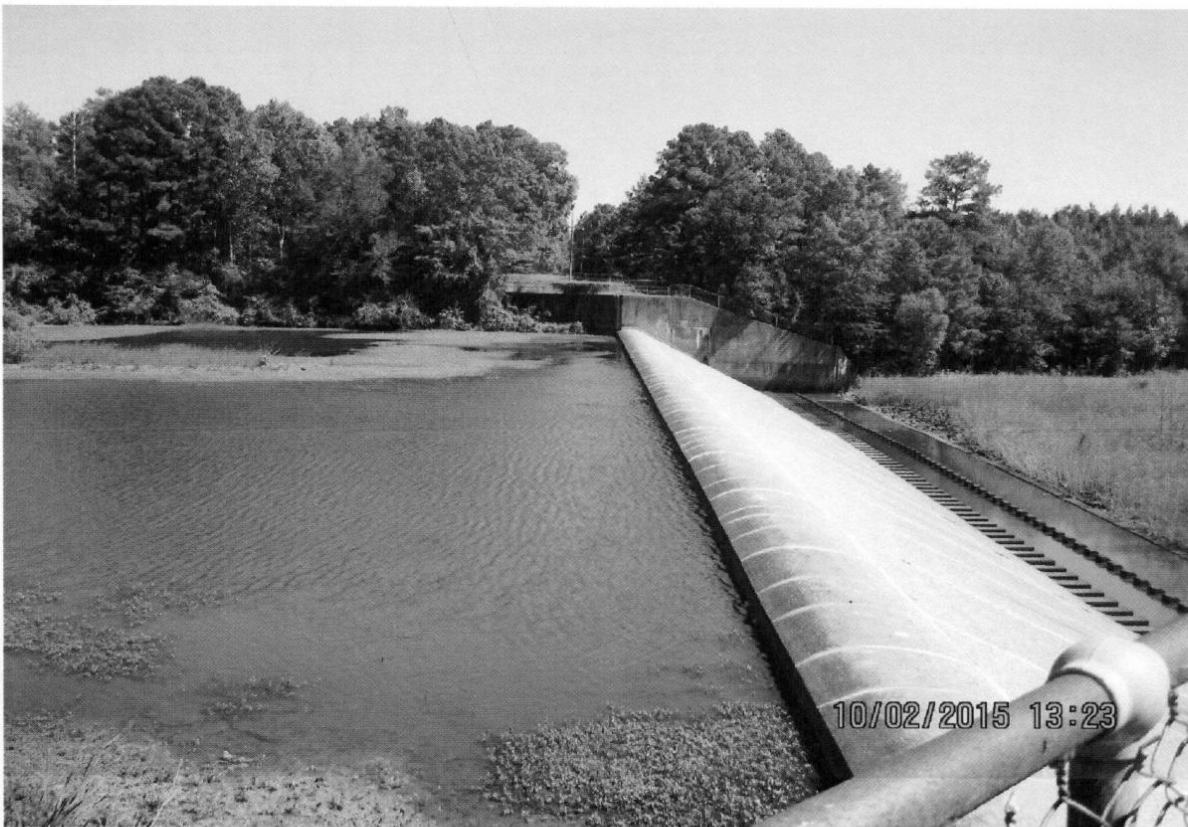


Figure 1 Auxiliary spillway crest



Figure 2 Downstream slope and crest



Figure 3 Upstream slope