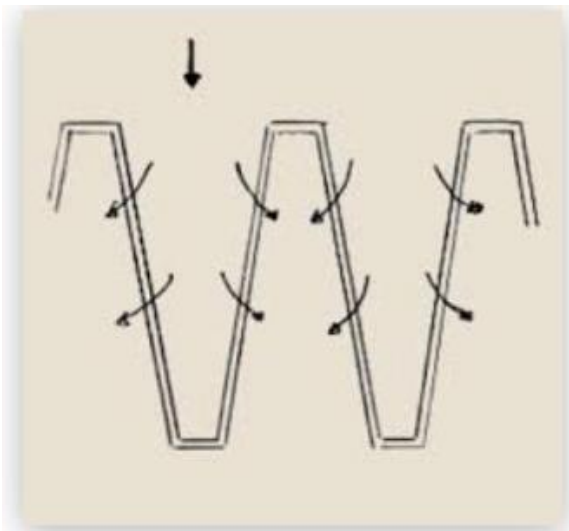


March 2022 Dam report

By Ed Zimmermann

Kiley has completed the hydrologic study. A full report will be sent to PADEP and WLLA once it is fully written. I had a conversation with Joe Hudak regarding the report. Based on the study, our spillway does not meet current flow standards for PMF (peak maximum flood), and PMP (peak maximum precipitation). In order to meet the current requirements, the spillway will have to be enlarged. After the DEP reviews the hydrologic study and reports back to Kiley, Joe will submit a proposal to WLLA for a complete engineering analysis and drawings. It is anticipated that the outlet pipe repair and spillway enlargement will occur concurrently. Other than some minor maintenance items, there will be no work performed at the dam. It will most likely be several months for the DEP to review the study. Once that is done, and Kiley does their engineering plans, Joe said it would most likely be 3 years before approval is granted to initiate the repair and upgrades.

Joe's thought is to build a labyrinth weir spillway. This will increase the flow within the existing footprint of the spillway, and no disruption to the dam is required.



Maintenance items to be performed this year:

1. Small pine trees within 10 feet of toe of dam at the West Shore Rd. access need to be cut down. (as per annual inspection)
2. Grease and exercise outlet control stem
3. Reattach loose cap stones on outlet control tower