



Caller Name: Wesley MacDonald with Geosyntech

Date: 3/26/2021

Representing: Big Canoe HOA

Phone Number: 423-385-2312

Dam Name: Petit Lake Dam

Dam ID 112-009-00462

Classification: Category I

County: Pickens

Employee
Handling Call: Kate Betsill

Subject/Issue(s) Discussed: Mr. MacDonald is in the process, on behalf of Big Canoe HOA, of updating the breach model and mapping for the Emergency Action Plan (EAP). He wanted to know if the breach routing report should be submitted for review prior to submission of the EAP. I told him there was no need to submit the breach model report separately. He said that the model is basically complete, but is under internal review at Geosyntech, and the EAP should be submitted in a couple of months.

Mr. MacDonald further stated that Geosyntech is in the process of coming up with a master plan of upgrades needed for the dam and a timeline for getting the work done. They are in the process of doing a full Hydrology and Hydraulics (H&H) study on the dam, and that **spillway modification may be needed.** **He also indicated that low-level drain improvements were probably needed.** Mr. MacDonald wanted to know more about the procedures and timing for interacting required with the Safe Dams Program (SDP). We discussed that routine maintenance such as mowing, cleaning out drains, etc. may be done without SDP approval. However, anything that substantially digs into the dam or changes features or characteristics of the dam and its performance requires a pre-design meeting, and design plan submittal and approval by the SDP. We discussed that any changes to the spillways, including low-level outlet, would require SDP approved plans. We discussed that plans need not have a particular format, but should contain the elements of a design manual containing a summary of the work to be done and all calculations pertinent to the design, plan sheets depicting the work, and specifications. Mr. MacDonald explained that Geosyntech is in the process of doing a feasibility study, and we discussed that once the feasibility study is to the point of defining options available but perhaps prior to selecting an option would be an appropriate time to have the pre-design meeting. We discussed that he should probably go through Mr. Woosley to schedule this meeting, as Mr. Woosley would be the one to decide which engineers should be part of the meeting. We also discussed SDP workload, lead time for scheduling meetings, etc.

Action Taken: None

Written Follow-up: Yes No