

**Memorandum**

Date: 22 May 2023  
To: David Griffin, P.E., Georgia Safe Dams Program (GSDP)  
From: Wesley MacDonald, P.E., Geosyntec Consultants (Geosyntec)  
Subject: Lake Petit Dam Design Review Meeting: Meeting Minutes

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**Location/Date/Time:**

Teleconference / 12 May 2023 / 1:00 pm EDT

**Attendees:**

*Georgia Safe Dams Program (GSDP):*

David Griffin, P.E. and Kate Betsill

*Big Canoe Property Owners Association (POA):*

Scott Auer and Lydell Mack

*Geosyntec Consultants (Geosyntec):*

Wesley MacDonald, P.E., Conrad Ginther, P.E., and Jamey Dotson, P.E.

**Meeting Highlights:**

This meeting was held to review the permit documents Geosyntec submitted to GSDP on 28 April 2023 for modification of the existing interceptor drains of the seepage collection system at Lake Petit Dam (Dam). Discussions from the meeting are detailed below:

Geosyntec summarized the design for replacement of the existing interceptor drains on the second bench of the dam that were submitted in the permit submittal package. Geosyntec also summarized the results of the seepage and stability analyses that were also included in the permit submittal package.

The GSDP confirmed the permit package had been received. GSDP stated they do not routinely perform pseudostatic stability analyses internally and noted that an outside reviewer may be engaged to review the pseudostatic stability analysis.

The POA discussed the findings of the recent test of the low-level outlet (LLO) sluice gate. The POA notified the GSDP that some of the stem guides for the LLO were damaged during gate movement and replacement parts may not be available until later this year. The POA confirmed the gate of the LLO is closed and the plug installed in the LLO as part of the test remains in place. The POA confirmed the existing siphon line is designed to lower the lake up to seven feet. GSDP

requested a supplemental Temporary Emergency Action Plan (TEAP) be created for use while the LLO plug remains in place. The TEAP should include methods to be used to lower the lake in case of an emergency. These may include use of the existing siphon, a pump plan, and agreement with a contractor to remove the LLO plug if the TEAP is activated. All parties agreed this TEAP will be prepared and added to the existing EAP for Lake Petit Dam while the plug is in place.