

26 March 2025

Mr. David M. Griffin, P.E.
Program Manager
Safe Dams Program
Georgia Department of Natural Resources
2 Martin Luther King, Jr. Drive
Atlanta, Georgia 30334

**Subject: Update – Low-Level Outlet Repairs
Lake Petit Dam
Pickens County, Georgia**

Dear Mr. Griffin:

To follow up on our 25 March 2025 phone call, Geosyntec Consultants, Inc. (Geosyntec) has prepared this letter to notify the Georgia Safe Dams Program (GSDP) of slight warping that occurred to five sections of the stem during installation of the new Low-Level Outlet (LLO) frame, stem, and stem guides at Lake Petit Dam (Dam) for the Big Canoe Property Owners Association (POA).

- During the week of Monday, 17 March 2025, the composite frame, stem, and stem guides were assembled, lowered into place, and the Contractor began aligning the stem with the gate and operator mechanism.
- On Friday, 21 March 2025, the Contractor discovered an initial section of the stem was slightly warped and hardware was missing from some of the flange connections for the frame, preventing alignment of the system. It appears this occurred during the lowering of the assembled frame.
- After the initial inspection of the frame, stem guides, and stem was completed, the Contractor determined that:
 - Five sections of the stem were slightly warped and eight of the flange connection bolts were broken or missing.
 - There was no damage to the frame connecting flanges or elongation of any of the mounting holes on the flanges.
- After consulting with the stem manufacturer, they recommended a machine shop with capability to straighten the stems. To date, three of the five stems have been straightened to meet or exceed the manufacturer's tolerance criteria.

TCG11475/2025.03.26 Lake Petit Dam LLO Repairs Update

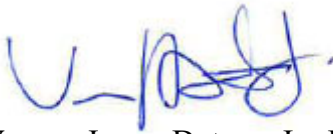
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Our plan going forward includes the following tasks:

- Hardware for the frame flange connections near the previously warped stems is being replaced with new hardware as a precaution.
- The frame will be aligned and inspected, the stem connected to the gate and gate operator vault, and the gate operation tested with the plug in place using the straightened stems according to the approved plans.
- New stems are being ordered to replace the straightened stems as a further precaution.
- Upon delivery of the new stems, the affected stems will be replaced and the required gate testing will be performed.

We will provide additional details in upcoming monthly reports. If you have any further questions, feel free to contact us at 423.385.2310.

Sincerely,

A handwritten signature in blue ink, appearing to read 'V. Dotson, Jr.', with a stylized flourish at the end.

Vernon James Dotson, Jr., P.E. (GA, AL, NC, TN)
Senior Principal Engineer and Engineer of Record
Geosyntec Consultants, Inc.

cc: Scott Auer, Big Canoe Property Owners Association
Wesley MacDonald, P.E., Geosyntec Consultants, Inc.