

## **Cushman Dam Update as of 5/15/24**

The current board took office on January 8, 2024, and we have had regular meetings with the contractor (RD Zuelli) and engineer (Beth-Ann Grasso) on this project. CLCA had been assured by both professionals that everything was going according to plan and the lake would be filled by the end of April 2024.

On Thursday February 15, 2024, Dam Safety inspected Cushman Dam. Dam Safety noted there were currently 3 concerns and they are as follows:

1. The concrete repairs to severely deteriorated portions of the existing concrete spillway structure that were observed during construction were completed without Dam Safety's approval and notification that it was completed. (This was resolved and approved by providing pictures)
2. The Articulated Concrete Block (ACB) on the down slope (stream side) to the toe embankment on the designed plans did not capture the existing grade lines appropriately. This is currently causing undermining and erosion at the embankment toe of the slope. (This is an easy resolve by extending the down slope)
3. The construction diversion pipes (RCP) on the South Spillway (Fenimore Drive) were left in place during the construction of the North Auxiliary Spillway (E Collings Drive). The design plans approved under Dam Safety Permit No. 1622 did not include any proposed pipe penetrations through the dam embankment.

The most significant issue at the moment is the construction diversion pipes left in place. Dam Safety has stated (March 8, 2024 letter) that the pipe penetrates through an embankment without full length pipe cradles, filter diaphragms and proper backfill/compaction present a dam safety concern due to seepage potential along the conduits. Please note that the pipe installment was not observed by a licensed engineer and therefore, cannot be certified with appropriate seepage control and approved materials. The pipes were never meant to remain as part of the dam.

These pipes may compromise the integrity of Cushman Dam. A solution is currently being engineered and is being presented to the state in order for us to move forward. At this time, there is no real timetable as to when this work will commence. The proposed in-place abandonment of the temporary diversion pipes may not proceed without any written approval from Dam Safety, as this change is a significant modification to the previously approved design plans.

We are relying on Dam Safety to protect our interest in this project.