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Date: August 14, 2020

From: Glenn L. Smith

To: Jacy Ricciani

CC: Richard Robbins, Chairman

Subject: Forestburgh Pond Dam & Keystone Report

Jacy,

The last DEC inspection of dam was performed in October 2014, so they're apparently not overly concerned with its structural condition, it has the lowest hazard classification "A" used in rating dams, meaning if it fails it will possibly cause some downstream property damage. A hazard class "C" dam will possibly kill somebody if it fails and DEC pays a lot more attention to them.

The Keystone inspection report of February 27, 2020 basically identified several typical conditions found in +100-year old dams, including some shifting, movement or displacement of the stonework; cracks in the concrete spillways or sidewalls; and wet areas of the earth embankment. The more significant observation was the south embankment (crest & slope) saturation, for which they recommend further investigation.

Their summary letter of August 6, 2020 to Alan Lord included recommendations for repairing the observed leakage by drawing down the lake level by a few feet, excavating the dam crest adjacent to the south side concrete spillway wall and sealing all observed cracks or spalling...then replacing the embankment soil with a more impervious material.

The letter also recommends periodic monitoring and observations of the dam masonry, downstream face movement and changes in water seepage or saturation. These are reasonable measures used on many old active dams in this area. I've been monitoring several dams in Sullivan County with these same procedures for almost 20 years, generally finding little or no changes to the structures from inspection to inspection.

In summary, the 8/6/20 Keystone report appears reasonable and I would agree that their recommendations should be implemented.

<div align="center">Thanks,</div>

<div align="center">Glenn</div>

GLS/mdc