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PETER J. ROGERS
DIRECTOR

Dam Safety Condition Inspection Letter

August 1, 2023

Town of Belgrade
Town Manager
900 Augusta Road
Belgrade, ME 04917

Dear Sir / Madam

RE: #359 Great Pond Dam located in Belgrade, Kennebec County, Maine.

On Monday July 24, 2023, the Maine Office of Dam Safety received a request from the Kennebec County Emergency Management office to contact the dam operator, Dick Greenan, as he was concerned about the level of deterioration of the Great Pond Dam in Belgrade Village.

The Acting State Dam Inspector, Tony Fletcher and Assistant State Dam Inspector, Anna Poppelreiter met Mr. Greenan at the dam on the afternoon of July 24, 2023. Attached to this letter is the summary of the inspection.

Per MRS 37 B C 24 "Dam Safety", Low hazard dams do not require a condition inspection, however at the request of the dam owners this inspection was performed. I have reviewed the Dam Safety Engineers inspection report for this dam dated 7/26/2023.

The Dam Inspector has indicated the following defects:

- 1) Extensive decay of the concrete in both dams
- 2) Settlement & misalignment of the stone spillway weir.
- 3) Corrosion damage of steel both radial gates.
- 4) Leaks in the vertical and horizontal gate seals.
- 5) Concrete decay in the sides and invert of the gate 1 channel.
- 6) Leaking gate side and bottom seals
- 7) Vegetation growing on the gates.
- 8) Vegetation on the right abutment of the main dam.

The Dam Inspector has recommended the following be done without delay

- 1) Employ a competent engineer to design, plan, cost & implement repairs to both dams.
- 2) To build a cofferdam the dam owner must employ a specialist contractor. This work must be approved by the MDOT.
- 3) Restore all decayed concrete work in both dams right down to each dam foundation.
- 4) Clean out and lubricate all gate bearings
- 5) Monitor the status gate bearings, tie-back rods and nuts annually
- 6) Rehabilitate, restore, and paint the steelwork of both gates. This will require a cofferdam

- 7) Replace the side & bottom water seals and seal contact faces of both gates.
- 8) Prepare an accurate rehabilitation plan with accurate quantities and cost estimates
- 9) Engage with the MDOT during the planning and execution of these repairs.

Please see the attached list of specialist consulting engineers.

Although not subject to a "condition inspections" per §1119, low potential hazard dams (LH) are nevertheless public safety hazards. The dam owner, who is responsible for the dam and its operation, must acknowledge this fact, and that the dam owner is liable for all damages resulting from failure of this dam. Your dam may be inspected or re-inspected at any time by the State, County, or Municipality for hazard or condition.

If you have any queries, or require additional information about dams and their operation, or anything regarding dam safety, please contact the MEMA Office of Dam Safety.

Regards,

A handwritten signature in cursive script, appearing to read "Steven Mallory", written in black ink over a horizontal line.

Steven Mallory, Operations & Response Division Director

Cc: John Brenenstuhl, Kennebec County EMA Director
Dick Greenan, Chairman, Belgrade Lakes Watershed Dams Committee