



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

Department of Environmental Services
State Dam Safety Program
Water Division, Dam Bureau
29 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095

Intent to Complete Repairs (Updated)
DAM #D176002/DSP #15-019
DAM Pleasant Lake Dam

RE: Letter of Deficiency: Issued on July 15, 2015, Updated on September 17, 2015

Dear Dam Safety Program:

In response to the above referenced Letter of Deficiency (LOD), I concur with the Department of Environmental Service's recommendations, and specifically agree to complete the following items by the indicated schedule.

DATE: October 1, 2015

1. Cut all trees, brush and weedy growth from the footprint (earthen embankment) of the dam and 15 ft beyond the footprint of the dam to prevent damage to the dam from root penetration, blow down of the trees and to create a buffer zone to monitor the dam for seepage and other maintenance concerns. Areas to clear include (but not limited to):
 - a. The auxiliary spillway which is full of debris that also needs to be removed. (See photos A and B).
 - b. Highlighted bushes to the left of the outlet structure. (See photo C).
 - c. Highlighted bushes to the right of the outlet structure. (See photo D).
2. Patch and repair the void in the masonry face of the dam at the intersection with the trash rack, left of the gatehouse. (See photo G).
3. Backfill and compact, with appropriate soil material, the void to the right of the gatehouse in the downstream stonewall of the dam. (See photo H).

DATE: May 1, 2017

4. Perform the necessary engineering analyses, develop a plan and submit any necessary permit applications to bring the dam into compliance with the discharge requirements for High hazard dams. This analysis should include, among other things, specific assessments related to the need and scope related to the following items:
 - a. Regrading the crest of the dam along its entire length to establish a 6' wide (upstream to downstream) level surface. (See photo I).
 - b. Loaming, seeding and revegetating all areas of limited grass growth along the crest and downstream portions of the dam. (See photo J for an example).
 - c. Reconstructing or modifying the gatehouse foundation and adjacent crest to establish a consistent elevation and smooth transition on both sides. (See photos S, T and U).
 - d. Clearing and regrading the left abutment of the dam such that it has a proper cross-sectional shape and is consistent in elevation with the remainder of the dam. (See photo E).

DES Web site: www.des.nh.gov

P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095

Telephone: (603) 271-3503 • Fax: (603) 271-6120 • TDD Access: Relay NH 1-800-735-2964

- e. Mortaring or somehow binding the individual blocks of the auxiliary spillway to prevent movement during spillway activation. (See photo V).

DATE: November 30, 2018

5. Complete the necessary work approved by the Dam Bureau relative to item #4.

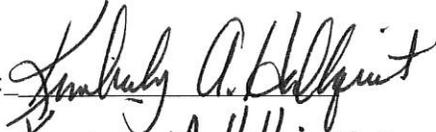
On a continuing basis:

6. Monitor the concrete cracks and/or degradation in the following locations:
 - a. Left training wall with the horizontal slab of the spillway. (See photo K).
 - b. Right training wall of the spillway. (See photo L).
 - c. Masonry face of the dam along the left abutment that doesn't have the concrete facing/protection. (See photo M).
 - d. Old concrete facing of the dam to the right of the gatehouse that was sealed appears to be shrinking and cracking. (See photos N and O).
 - e. Interface between old concrete facing of the dam with masonry. (See photo P).
7. Monitor riprap facing of the embankment dam that is exposed to wave action of the lake along the left abutment. (See photos Q and R).

You must sign and return this Intent form either agreeing to comply with the listed items by the dates indicated OR proposing amendments to either the listed work items or compliance dates (please state reasons for proposal and use reverse side if more space is needed). DES will evaluate and respond to any reasonable requests for amending the scope of the work items or compliance dates in a timely manner. We have enclosed a self-addressed stamped envelope for you to return this form. You may also scan and e-mail the completed form to damsafety@des.nh.gov or fax it to (603) 271-6120.

Please note that meeting the statutory 45-day response deadline is necessary even if the first compliance deadline on the LOD is beyond that date. Failure to return the form or otherwise respond will result in DES initiating a proceeding to seek an administrative fine against you.

Signature of Owner:


Kimberly A. Hallquist (print name)

Date: 9-29-2015

ENG-: CSK

Dam #D176002, Pleasant Lake Dam, Inspected 05/22/15



A



B



C



D

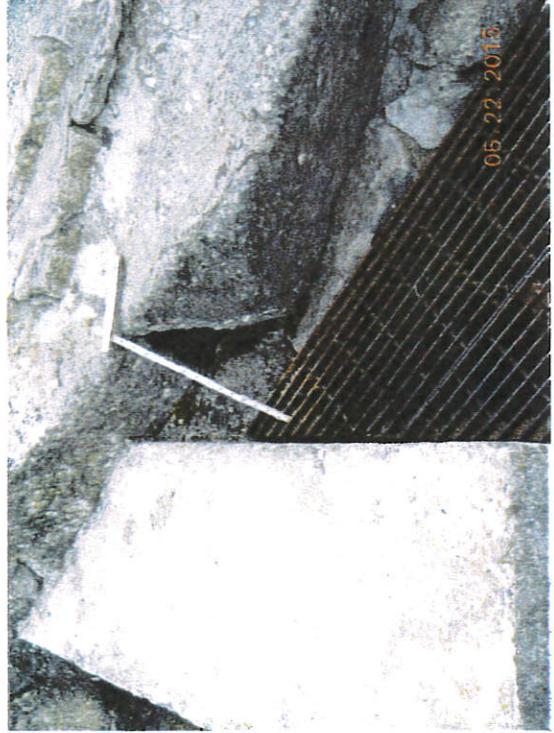
Dam #D176002, Pleasant Lake Dam, Inspected 05/22/15



E



F



G



H

Dam #D176002, Pleasant Lake Dam, Inspected 05/22/15



I



J

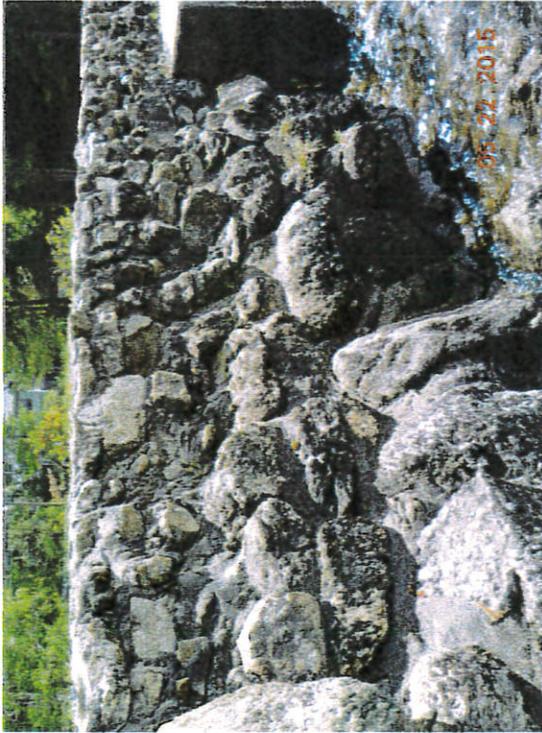


K



L

Dam #D176002, Pleasant Lake Dam, Inspected 05/22/15



M



N

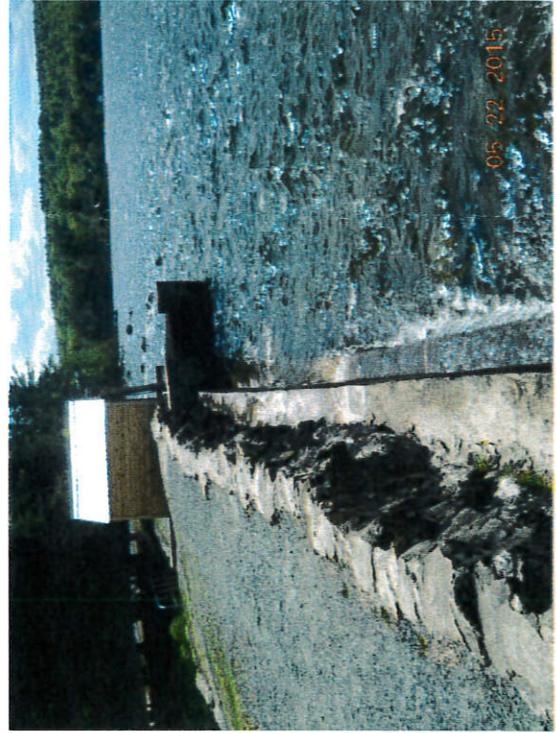
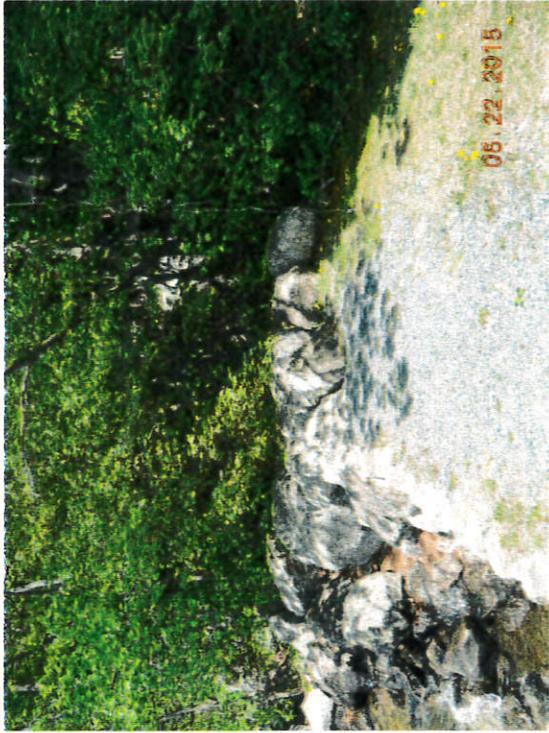


O



P

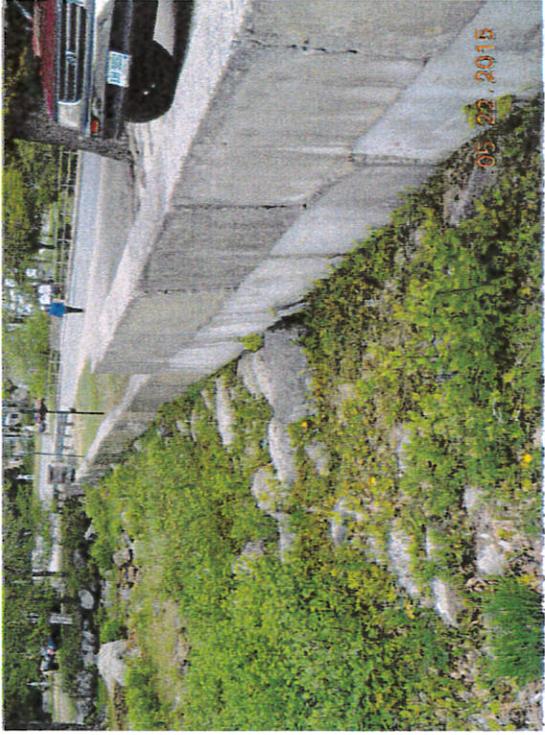
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Dam #D176002, Pleasant Lake Dam, Inspected 05/22/15



U



V