

Ayotte, Tara

CONDITION

From: Fletcher, Tony
Sent: Friday, November 04, 2011 9:12 PM
To: 'peter.fogg@versopaper.com'
Cc: Fitzgerald, Bruce; Ciomei, Nicholas; Ayotte, Tara
Subject: #110 Alamoosook Dam
Attachments: EAP9StepGuideOCT2011(4).docm

Dear Mr Fogg,

This is my assessment of the condition of Alamoosook Dam following my inspection on 6/8/11.

Alamoosook Dam is a 15' high concrete gravity hydro dam with the gates, fishway and hydro drawoff on the right.

The control area is fenced and locked. The spillway was flashboarded and flowing 2". The fishway was flowing. The gates are operational. Steelwork is rusty in places and should be examined by owner. Trees growing around the left abutment should be removed.

The 81 year old concrete shows general surface deterioration, spalling on the downstream face, efflorescence in areas but no misalignment was seen. Toe drains were not found. The foundation contacts areas showed little leakage.

If the dam failed the downstream road would be endangered. There are no houses in the downstream areas. The EAP is current and requires a functional test. No unusual leaks or seepage was found in the dam.

If you have any engineering drawings of this dam we would appreciate a copy.

Attached please find our guide to dam emergency action planning which I would like you to implement. Once you have done this please do a functional test of your dam EAP.

The EAP should be exercised annually.

Please dont hesitate to contact MEMA if you have any queries.

Sincerely,

Tony Fletcher
Maine State Dam Inspector

Ayotte, Tara

From: Ciomei, Nicholas
Sent: Friday, November 04, 2011 1:34 PM
To: Fletcher, Tony
Cc: Ayotte, Tara
Subject: 110 Alamoosook Lake
#110 Alamoosook Lake

Condition:

Alamoosook Lake Dam appeared to be in Fair Condition. There was no evidence of leaks, major cracks or spalling, and vegetation was maintained. The spillway was flowing strong, and I was unable to see its condition or inspect the dam's toe. Revisit this dam during a low flow period to complete the condition inspection.

Hazard:

Just downstream of the dam is Upper Falls Road. This road could be eroded and/or damage to the point of unsafe travel. The breach study by Kleinschmidts shows that the road will not overtop. There are also a couple homes downstream that have been determined to possibly be flooded by backwater effects.

This dam should remain a Significant Hazard Dam.

Nicholas M. Ciomei
Maine Emergency Management
Assistant Dam Inspector
(207) 624-4472 (Work Phone)
(207) 592-2189 (Cell)
Email: nicholas.ciomei@maine.gov

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11/4/2011