

Fwd: Cushman Dam

Mon, May 12 at 17:02

Steven Slimm <smslimm@collingslakes.org>
To: Stephen Naegele <snaegele@collingslakes.org>

----- Forwarded message -----
From: **Steven Slimm** <smslimm@collingslakes.org>
Date: Mon, May 12, 2025 at 9:18 AM
Subject: Cushman Dam
To: Beth-Ann Grasso <BGrasso@pennoni.com>

Beth-Ann,
Do you have any idea what has happened to Chushman Dam and any fix for the problem?
[Quoted text hidden]

An unidentified pre-existing crack in the dam
was drained (10+ years), a result of observation
now that determination needs to be put away

We are proposing to install sheeting on the upstream side of the dam
working on the design plans and calculations. Once completed we will
Zeval for an estimate.

Beth-Ann Grasso, PE, CME, CFM
Division Manager / Associate Vice President - Transportation
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To: Stephen Naegele <snaegele@collingslakes.org>

Mon, May 12 at 17:02

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From: **Beth-Ann Grasso** <BGrasso@pennoni.com>
Date: Mon, May 12, 2025 at 9:26 AM
Subject: RE: Cushman Dam
To: Steven Slimm <smslimm@collingslakes.org>

As discussed, the main spillway is undermined. What we haven't determined yet is how it happened. Could have been an unidentified pre-existing condition, could have happened during the time the lake was drained (10+ years), a result of construction (i.e. vibration, horizontal drill for utilities, etc.). Right now that determination needs to be put aside.

We are proposing to install sheeting on the upstream side of the dam as discussed. We are currently working on the design plans and calculations. Once completed we can submit to NJDEP for approval and Zeuli for an estimate.

Beth-Ann Grasso, PE, CME, CFM
Division Manager \Associate Vice President - Transportation

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[Quoted text hidden]

Fwd: Cushman Dam

Steven Slimm <smslimm@collingslakes.org>
To: Stephen Naegele <snaegele@collingslakes.org>

Mon, May 12 at 17:04

----- Forwarded message -----

From: **Beth-Ann Grasso** <BGrasso@pennoni.com>
Date: Mon, May 12, 2025 at 10:09 AM
Subject: RE: Cushman Dam
To: Steven Slimm <smslimm@collingslakes.org>

An H&H study does not determine if the structure is leaking or deficient in any way. The H&H determines the flow rates to the structure and the resultant elevations due to the flow moving through the outlet structure only. We can also model the results of a dam breach for flow and resultant elevation.

Beth-Ann Grasso, PE, CME, CFM

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From: Steven Slimm <smslimm@collingslakes.org>
Sent: Monday, May 12, 2025 10:04 AM
To: Beth-Ann Grasso <BGrasso@Pennoni.com>
Subject: Re: Cushman Dam

Beth-Ann,

I don't mean to be disrespectful but the determination on what has happened and why this was not caught on the H&H is very relevant. I think that using an H&H from 2013 may be part of the problem. Should Pennoni have done a new H&H before the work started? The H&H was about 8 to 10 years old when work started. Finding out why this happened will determine who is at fault and who is paying for the repairs.

[Quoted text hidden]

Fwd: Cushman Dam

Steven Slimm <smslimm@collingslakes.org>
To: Stephen Naegele <snaegele@collingslakes.org>

Mon, May 12 at 17:04

----- Forwarded message -----

From: **Steven Slimm** <smslimm@collingslakes.org>
Date: Mon, May 12, 2025 at 11:20 AM
Subject: Re: Cushman Dam
To: Beth-Ann Grasso <BGrasso@pennoni.com>, J Kauffmann <kauffee338@gmail.com>, Don Saunders <dsaunders@collingslakes.org>, Robert J Sutts <rjsutts@gmail.com>, Donald Watson <dwatson@collingslakes.org>, Mark Wainwright <mwainwright@collingslakes.org>, Brian Trasatti <btrasatti@collingslakes.org>, AnnaMarie LaRocca <alarocca@collingslakes.org>, Michael Hollander <mhollander@collingslakes.org>, Steve Zeuli <SZeuli@rdzeuli.com>

Ok, can you please send me a copy of the geological study and when it was completed. I do not have that study in my file.
[Quoted text hidden]