



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF WATERWAYS ENGINEERING AND WETLANDS

June 17, 2014

Mark Miller, Director
Department of Public Works
East Goshen Township
1580 Paoli Pike
West Chester, PA 19380-6199

Re: DEP File No. D15-146

Dear Mr. Miller:

The 2013 Annual Inspection Report for Milltown Dam was submitted by Yerkes Associates, Inc. and received in this office on January 10, 2014. We thank East Goshen Township for its cooperation with the DEP Dam Safety Program and for conducting the 2013 Annual Inspection.

We have reviewed the inspection report and concur with the recommendations explained in it. The Township should review these recommendations with its engineer, and then implement any necessary maintenance and repairs. Please be advised that repairs other than minor maintenance will likely require written approval from the Department prior to performing any work. Minor maintenance includes activities such as vegetation and debris removal, filling of animal burrows, and patching or sealing of small areas. *These results should be documented by the Township's engineer in the 2014 Annual Inspection Report.* A Department engineer was present during the time of inspection and concurred with these recommendations.

According to the August 1981 Phase 1 report, the Spillway Design Flood (SDF) is 50 percent of the Probable Maximum Flood (PMF). However, the spillway capacity is 26% of the SDF; meaning the spillway is inadequate to pass the SDF. The discharge capacity or storage capacity, or both, must be capable of safely accommodating the recommended design flood for the dam as classified under chapter 105.91. The design flood must be determined by an incremental dam breach analysis with a minimum required design storm duration of 24 hours. Please provide the Department with an incremental dam breach analysis for review. If you have any questions regarding the incremental breach analysis, contact Ron Mease of our office at 717.772.5947.

Two copies of the Annual Inspection Report must be submitted to the Department for review and must contain an engineer's original seal and signature. This submission only contained one copy that was not sealed by the professional engineer; we require a resubmittal of two copies properly signed and sealed. Until then, the 2013 annual inspection will be considered incomplete.

Mark Miller, Director
Department of Public Works

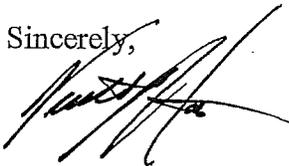
- 2 -

June 17, 2014

According to our database, a Completion Certification was never submitted following the completion of the work approved in our November 11, 2011 letter of amendment. Please find attached a completion certification for your use. Additionally, according to our database, the outlet inspection submitted on 2/28/2002 was determined to be incomplete. An updated outlet inspection will be required with the 2014 Annual Inspection Report. The outlet inspection will need to include an inspection of the intake as well as the trash rack.

DEP appreciates both this opportunity to review the operation of Milltown Dam, and the cooperation extended by East Goshen Township and its engineer. If you or your engineer has any questions regarding this letter, please contact me at 717.772.5960 or by e-mail at hemaines@pa.gov.

Sincerely,



Heath A. Maines
Project Specialist
Eastern Section
Division of Dam Safety

Enclosure: Completion Certification

cc: Rick Smith, Manager, East Goshen Township
Albert J. Giannantonio, P.E., President, Yerkes Associates, Inc.