



July 14, 2015

EGOS 0613

Rick Smith  
Township Manager  
East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380

**RE: Milltown Reservoir Dam  
2014 Annual Inspection**

Dear Rick:

This correspondence summarizes Pennoni's recent Visual Inspection of the Milltown Dam located in East Goshen Township, PA; this is considered the Township's 2014 annual inspection. As you are aware, East Goshen Township has contracted with Gannet Fleming to review all options available regarding this dam. These improvements could consist of repairs to the spillway or potentially breaching the dam in the area of the spillway. These repairs may supersede the repairs recommended as a result of the attached inspection depending on discussions with the stakeholders.

On May 20, 2015, representatives from East Goshen Township, the Pennsylvania Department of Environmental Protection - Bureau of Waterways Engineering and Wetlands - Division of Dam Safety (PADEP Dam Safety), and Pennoni met on site to perform the 2014 annual visual inspection. The inspection checklist is attached to this correspondence. As a result of our inspection, the following repairs are recommended:

1. Control vegetation on east side of spillway crest as well as upstream and downstream embankment faces in accordance with PADEP "Inspection, Maintenance, and Operation of Dams in Pennsylvania," manual;
2. Repair epoxy facing on spillway;
3. Repair secondary outlet closure mechanism; and
4. Fill apparent void beneath concrete slab at entrance to stone outlet structure.

Items recommended for on-going monitoring consist of:

1. "Wet area" indicated in prior inspection report below downstream slope;
2. Crest of dam for signs of subsidence; and
3. Upstream face of dam for rip rap which becomes dislodged

Should you have any further questions, please contact me.

Sincerely,

**PENNONI ASSOCIATES INC.**

A handwritten signature in blue ink, appearing to read 'T.A. Thomson, Jr.', with a large, stylized flourish.

Theodore A. Thomson, Jr., PhD, PE, DGE, LEED AP  
Senior Geotechnical Engineer

A handwritten signature in blue ink, appearing to read 'N.M. Cline', with a large, stylized flourish.

Nathan M. Cline, PE  
Township Engineer

cc: Mark Miller, Director of Public Works (via email)  
Abdel Nassani, PaDEP

Attachments: Dam Inspection Checklist (23 pages)