



Gannett Fleming

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February 18, 2020

Mr. Desmond Reynolds, Chief Eastern Section
Pennsylvania Department of Environmental Protection
Bureau of Waterways Engineering and Wetlands
Division of Dam Safety
Rachel Carson State Office Building
400 Market Street
Harrisburg, PA 17101

Dear Mr. Reynolds;

Re: East Goshen Township
Milltown Dam (DEP ID No. D15-146)
Hazard Reduction and Reservoir Enhancements
Dam Permit Application

East Goshen Township (Township) owns and operates Milltown Dam (DEP ID No. D15-146) as a recreational facility. Located on East Branch Chester Creek, the dam is situated along the east side of Reservoir Road between Route 3 to the south and East Strasburg Road to the north. To address dam safety concerns, the most significant of which is inadequate spillway capacity, the Township is proposing to modify the dam such that the storage capacity of the dam is essentially eliminated. With elimination of the reservoir pool, no downstream consequences would be expected in the unlikely event of a dam failure, reducing the Hazard Classification from a high hazard (C-1) to a low hazard (C-4) structure which reduces the spillway design flood from the half Probable Maximum Flood (PMF) to the 100-year storm event.

The project includes, but is not limited to, the following:

- Lower the crest of the principal spillway to the elevation of the sediment level within the reservoir, thus eliminating the permanent pool and converting the reservoir from a wet pond to a dry pond.
- Lower the crest of the right embankment to eliminate the impounding capability of the structure.
- Flatten the downstream face of the right embankment to 3H:1V and armor the slope with Articulating Concrete Blocks (ACBs). The lowered principal spillway in combination with the armored right embankment will safely pass the 100-year storm event.
- To address public concern over the elimination of the open water resource, the Township is also proposing various reservoir enhancements to convert the dewatered reservoir into a public park setting. Enhancements include reestablishing East Branch Chester Creek through the reservoir, creation of an offline open water feature, walking paths, signage and landscaping features.

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Mr. Desmond Reynolds
PA DEP Division of Dam Safety

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On behalf of the Township, we are pleased to submit herein an Application for a Dam Permit for the proposed modifications to Milltown Dam and the associated reservoir enhancements. As discussed during our pre-application meeting held on August 6, 2019, the enclosed permit application also includes a General Permit Registration Form to authorize the weir structures associated with the offline open water feature under General Permit No. 4 for intake and outfall structures (refer to Section 1 of the permit application).

Please find enclosed the following information in support of this request:

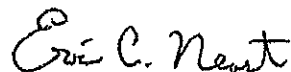
1. Three copies of a three-ring-bound Dam Permit Application for the Milltown Dam Hazard Reduction and Reservoir Enhancements Project.
2. Three half size copies of the permit drawings (64 sheets) for the Milltown Dam Hazard Reduction and Reservoir Enhancements Project.

As a municipal government agency, it is our understanding that the Township is exempt from the Chapter 105 fee(s).

We respectfully request a review from your office to determine if the proposed modifications to Milltown Dam and the associated reservoir enhancements as described within this permit application are in compliance with PA Code, Title 25, Chapter 105 Dam Safety and Waterway Management. Should you have any questions or concerns regarding the enclosed information, please do not hesitate to contact either me at 717-886-5453, or Mr. Rick Smith, Township Manager, at 610-692-7171.

Very truly yours,

GANNETT FLEMING, INC.



ERIC C. NEAST, P.E.
Environmental Resources Division

Enclosures

xc: Rick Smith, Township