



Department of Planning & Engineering (DPE)
Hanover Borough, York County, PA
An Equal Opportunity Borough

From: P. Eric Mains, PE
Director of Planning & Engineering
RE: **Sheppard-Myers Dam Update**
Date: June 16, 2022

As of June 16, 2022, the Sheppard-Myers Dam Rehabilitation Project has been going on for 385 days with a total expected project duration of 814 days. In the current period, the following work has occurred:

- The reservoir pool was lowered completely (down to just a natural stream channel through the impoundment area).
- The existing concrete emergency spillway was demolished and removed in its entirety.
- The adjacent hillside was blasted and excavated/prepared to make way for new, larger emergency spillway.
- The downslope face of the dam was scraped off and removed so that new subsurface drainage systems can be installed and a reduced slope can be installed.
- The existing outfall pipe through the dam structure was extended with a temporary bypass pipe that will help to contain and convey flows (keeping the reservoir lowered).

Current work at the dam is focused on two principal areas – the construction of the new, larger concrete labyrinth spillway and the rehabilitation of the downstream face of the dam.

It is anticipated that the replacement emergency spillway work could be done as soon as Thanksgiving this year. From that, the goal is to have the remaining work done by the spring of 2023.

The reservoir may begin the refilling procedure in spring of 2023. However, the refilling cannot happen rapidly. The Borough will have to work with PA DEP to slowly bring the reservoir levels up to various key elevations. There will be a pause at each hold point to check and make sure the dam is performing as intended. If all is good, then it will be raised a little more. If it were rapidly filled, it would likely erode the upstream face and could undermine the entire project.

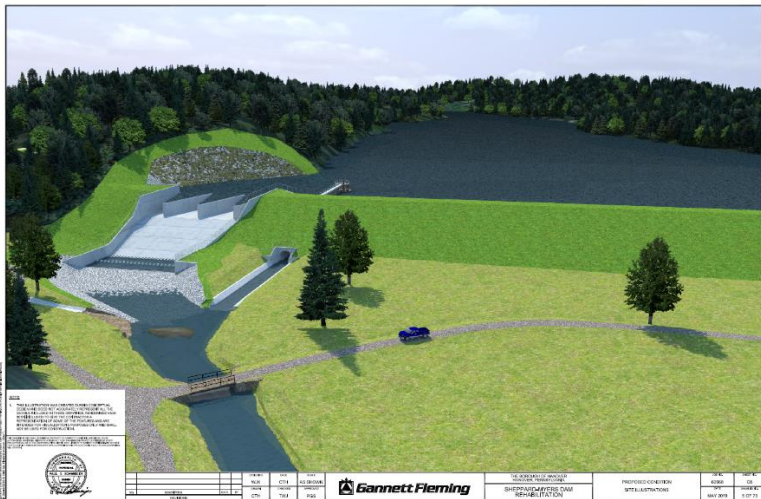
As the level is restored, the project site will be finished out with fine grading, seeding, construction of the parking lot, etc. The project is slated by contract to be fully completed no later than August 19, 2023.



Sheppard-Myers Dam – Ariel View #1 (June 2022)



Sheppard-Myers Dam – Ariel View #2 (June 2022)



Sheppard-Myers Dam – Rendering