

**Miller Run #2 Passive Treatment System**  
**SRI O&M TAG Project #66 Request #1**  
**OSM PTS ID: PA-263**

Requesting Organization: Huntingdon County Conservation District (in-kind partner)

Requesting Organization Representative: Celina Seftas

Municipality/County: Carbon Township, Huntingdon County

Dates of Work Performed: 9/30/2020 – 10/01/2020

Construction Sub-Contractor: Earth Shapers, LLC

Initial Request: On 11/12/2019, during the site investigation for the Miller Run #1 request, the Huntingdon County Conservation District (HCCD) requested assistance for the Miller Run #2 system.

Background Information: The Miller Run #2 Passive Treatment System was constructed in 2006 by the Shoups Run Watershed Association and Huntingdon County Conservation District (HCCD). The system consists of a small limestone bed (~380 Tons) with internal check dam.

Initial Site Visit, Observations, and Identified Needs: The initial investigation was conducted that same day. The Miller Run #2 treatment system appeared to have significant leaf litter established in/on the treatment stone and needed to be cleaned to improve hydraulic conductivity through the component. Cleaning the stone would aid in improving the system's effluent water quality. Volunteer trees and woody vegetation were established on the embankments of the system. Removal of this vegetation was beneficial to the treatment system by reducing the number of leaves present in the fall.

Work Completed: Earth Shapers, LLC was hired as a sub-contractor to complete the maintenance and mobilized to the area in September 2020. The limestone treatment media was cleaned. Volunteer trees and woody vegetation was cut from the system's embankments and placed in on-site windrows.

Recommendations & Future Considerations:

It is recommended to keep annual leaf litter from accumulating on/in the treatment component. This will aid in extending the longevity of the limestone treatment media between cleanings. Water quality monitoring shall continue to evaluate the long-term treatment effectiveness of the system. Additionally, the contractor found that the piping in the bottom of this pond was broken in places (probably from previous maintenance activities) but still functional. The next maintenance activity at this site should include replacing the piping. Future sludge management also needs to be considered. Due to very limited space available with no on-site room for sludge placement, either pumped water filter bags/geotubes, or a vacuum truck would be needed to effectively clean the sludge out of the Miller Run #2 system. There is only 2-3 feet of stone remaining in this bed which has room to accommodate another couple feet of stone. This should be considered when the system undergoes further maintenance or a system re-build.

### Photo Log



**Top Left:** Leafy debris on top limestone treatment media & volunteer trees / woody vegetation along embankment & fallen across the treatment component (before maintenance)

**Top Right:** Volunteer trees / woody vegetation along embankment (before maintenance).

Note: No construction or post construction photos were available.