



Warwick Twp/Lititz Borough MS4 Compliance Support

Municipal Government

Challenge

As part of the requirements of their respective Municipal Separate Storm Sewer System (MS4) permits, Lititz Borough and Warwick Township, located in Lancaster County, PA, were required to address established Total Maximum Daily Loads (TMDLs) for watersheds within the designated urbanized areas of their municipalities. Due to these municipalities' locations within the Chesapeake Bay Watershed, they are also required to develop a Chesapeake Bay Pollution Reduction Plan (CBPRP). The purpose of this TMDL update is to evaluate, through modeling, the impact of changes to the Lititz Run watershed within Lititz Borough and Warwick Township, since the 2004 TMDL plan was developed.

The assessment of the 2012 Lititz Run Watershed conditions using the MapShed model concluded that the Lititz Run TMDL for sediment had been met and exceeded the prescribed 43% sediment reduction goals of the 2004 TMDL plan. Additionally, watershed modeling showed measurable improvements in nutrient loading rates as well. Implemented BMPs entered in the model addressed both sediment and nutrients, therefore, it was reasonable to assume that the Nitrogen and Phosphorus reductions were adequate in conjunction with the adequate sediment reduction.

It was determined that both Warwick Township and Lititz Borough had met their MS4 permitting requirements for urban areas within the Lititz Run Watershed to create and implement a TMDL Plan and CBPRP.

Services

Permitting | Engineering | Pollutant Load Modeling | Agency Coordination



Banta Site Floodplain Restoration



Lititz Run Riparian Park Wetland

Client: NFWF, Lititz Borough, Warwick Township
Location: Lancaster County, Pa



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