

# MS4 STORMWATER TMDL BASELINE EVALUATION GALESBURG, MI



The City of Galesburg, as a regulated MS4 community, discharges stormwater directly to the Kalamazoo River (HUC 04050003) which has been under a phosphorus total maximum daily load (TMDL) since 2001. As a permitted MS4, the City falls within the non-point source (NPS) load allocation of the phosphorus TMDL developed for the Kalamazoo River and downstream Lake Allegan. The TMDL set forth a phosphorus reduction goal of 50% for all NPS stormwater discharges including MS4s. The TMDL also established 1998 as the baseline year (i.e., benchmark point of reference) for targeted phosphorus load reductions.

Prein & Newhof contracted the professional services of Kieser & Associates, LLC (K&A) to conduct a TMDL stormwater baseline evaluation associated with their 1998 MS4 footprint. This project is funded primarily by a State of Michigan through a Stormwater, Asset Management, and Wastewater (SAW) Grant administered by the Michigan Department of Environmental Quality (MDEQ).

These efforts involve:

- MS4 Drainage Footprint/Boundaries
- 1998 Baseline Loads (TMDL Target)
- Identify Existing BMPs (Post-1998)
- Map BMP Drainage Areas
- Quantify BMP Reductions (Post-1998)
- Evaluate Current TMDL Compliance Status (TMDL Progress)
- Identify Untreated MS4 Areas
- Establish Future BMP Implementation Framework (Progress Remaining)
- Identify/Prioritize Implementation Options (Env. Metrics)

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*Project Costs:*  
\$8,000

*Project Duration:*  
Dec 2015 - Present