

**Appendix I: Total Maximum  
Daily Load Implementation  
Plan (TMDL)  
for the  
CHARTER TOWNSHIP OF LANSING**



REVISED: February 2025

## LANSING TOWNSHIP TMDL IMPLEMENTATION PLAN

The MDEQ requires that each permittee receiving an NPDES MS4 permit develop an implementation plan for outlining how it intends to “make progress toward achieving the pollutant load reduction requirement” for each TMDL listed in its watershed. Lansing Charter Township is a permitted MS4 discharging to the Red Cedar River watershed of the E. coli TMDL.

The Charter Township of Lansing owns two outfalls to the waters of the State, one at both the Township Administrative Offices and the second is in Slater Park. The Township’s MS4 is small and it is located in the two aforementioned locations. There are 5 catch basins in Slater Park that run drain into the 1 outfall in the park. There are 3 catch basins on the Township Administrative grounds that exclusively limited to drain municipal parking lots at the Township Hall. Based on the use of these two facilities, they are not expected to contribute E. coli to the watershed.

To verify, the Township will perform wet weather, first flush monitoring (defined as the first 30 minutes of the storm if possible but not longer than the first 60 minutes) on the outfall at the end of the catch basin network within the first year of the permit cycle to serve as a representative sample of the Township’s MS4 discharge. The sample will be analyzed within six hours of its collection and compared to the Water Quality Standard of 1000 E coli/100ml daily max for partial body contact, and 300 E coli/100ml daily max for total body contact.

***If E. coli is not detected or is detected at levels below the State Water Quality Standard:*** The township will take no further action during the permit term.

***If E. coli is detected above the WQS:*** The Township will resample the outfall within the same year. If resampling indicates continued elevated E. coli levels, then the contributing area will be evaluated to identify and eliminate the source by implementing BMPs suited to address the contribution of E. coli to the MS4. A second round of wet-weather monitoring will occur in year four of the permit cycle to determine if BMPs have addressed the concern and if samples meet the WQS.

The Township will continue to perform dry weather screening at the two outfalls as part of its Illicit Discharge Elimination Program. Any illegal connection, dumping, or discharge that contributes to E. coli will be managed following IDEP protocol.