

# **TMDL IMPLEMENTATION PLAN FOR BEAR CREEK**

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## **INTRODUCTION**

Bear Creek is located in the Savannah River Basin in Franklin County near the City of Lavonia.

Bear Creek was placed on the 303(d) list for low dissolved oxygen concentration based on water quality modeling results and not for measured dissolved oxygen (DO) concentrations below the water quality standard. The model predicted DO below water quality standards due to the City of Lavonia Water Pollution Control Plant (WPCP) discharge.

## **PLAN FOR TMDL IMPLEMENTATION**

Revised effluent limits of 10 mg/l, 2 mg/l and 6 mg/l for BOD, ammonia and DO respectively were developed. These limits are considered protective of water quality standards. The City of Lavonia's NPDES permit was modified on 8/24/2000 to include these revised limits. The permit contains a compliance schedule requiring the city to meet the new limits by 8/24/03.

## **MONITORING PLAN**

The NPDES permit requires monitoring of effluent BOD and ammonia two times per week and dissolved oxygen seven times per week.