

# **TMDL IMPLEMENTATION PLAN FOR BEAVERDAM CREEK**

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## **INTRODUCTION**

Beaverdam Creek is located in the Savannah River Basin in Jackson and Banks Counties near the City of Commerce.

Beaverdam Creek was placed on the 303(d) list for low dissolved oxygen concentrations based on water quality modeling results and not for measured dissolved oxygen (DO) concentrations below the water quality standard. Just prior to 1992, Georgia adopted a new annual low flow value for Beaverdam Creek based on new streamflow statistics for the Savannah River basin developed by the U.S.G.S. The revised low flow was approximately 50% lower than the low flow previously used. Using the revised low flow, the model predicted DO below water quality standards due to the City of Commerce-Northside 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 represent a 70% reduction in oxygen demanding constituents permitted to be discharged and are considered protective of water quality standards. The City of Commerce-Northside NPDES permit was modified on 8/23/2000 to include these revised limits. The permit contains a compliance schedule requiring the city to meet the new limits by 7/15/03.

## **MONITORING PLAN**

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