

The Memorandum of Understanding (MOU) between the City of Indianapolis and the City of Tallahassee, Florida, Florida Stream Network (FSN) and the Florida Chapter of the Stream Channel's

#### **PLANNED IMPROVEMENTS**

1. To allow the City of Indianapolis to meet its wastewater management needs while satisfying stream anti-degradation and other water pollution control requirements.
2. To provide long-term protection of and improvements to the water quality of the Lower DuPage River.

#### **BACKGROUND**

The City of Indianapolis is creating a National Pollution Discharge Elimination System (NPDES) permit from the United States Environmental Protection Agency (EPA), in compliance with requirements of the City's New South Wastewater Treatment Plant (NSWTP). The proposed plant requires several stream pollution loadings to the Lower DuPage River. Stream water pollution control regulations require the City to minimize such pollutant loadings.

The City entered into Florida Stream Network and Stream Path agreements with protection agreements to assist it in meeting water quality protection requirements. The MOU sets forth the duties of all parties during the use of NSWTP permit No. 8, 0000000, as modified, as accepted by their signatures below.

#### **AGREEMENT**

The design average flow of the NSWTP will increase from a daily average flow of 3.4 million gallons per day (MGD) to 3.7 MGD. In order to minimize wastewater stream discharges, the City will complete various upgrades to the NSWTP including but not limited to additional gas removal, a submersible stream aerator system of the existing oxidation tank, new additional clarifiers, modifications to the UV disinfection system, one additional flocculation stage tank, and a new stream dechlorination.

**Biological Nutrient Removal (BNR).** In order to minimize nutrient loadings to the Lower DuPage River, the City will construct a new stream aerator consisting of four installed stream aerators of the existing oxidation tank. The stream aerator will be constructed for wastewater treatment (aerating) and will operate at either 40 weeks, 40 with 400 disinfection or 100 weeks. Chemical phosphorus removal will be installed as a facility to BNR. The City agrees to the following NPDES permit General Conditions.