

HOBBS, UPCHURCH & ASSOCIATES, P.A.



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Laurinburg-Maxton Airport Commission Wastewater Treatment Plant Laurinburg, North Carolina

HUA completed the evaluation, engineering design, and construction management and inspection for the expansion of the LMAC WWTP from 1.0 MGD to 2.0 MGD. The project included the preparation of an extensive Environmental Assessment for the WWTP expansion. The biological assessment included an in-depth evaluation of all plant and wildlife, endangered species, wetlands, and aquatic species in Lumber River at the discharge point. As part of the preliminary study HUA evaluated several treatment alternatives including discharge and non-discharge alternatives.

The final upgrade design included a new oxidation ditch with carousel aerators, a new clarifier, and new traveling bridge filters. HUA's final design also included the addition of an aerated sludge digester, new sludge loading station, and permitting of liquid sludge land application.

The original project budget was \$3.164 million. The project bid over budget and HUA negotiated with the contractor and re-designed the project to ensure construction costs would not exceed the allowable EDA project budget. HUA completed construction management and inspection for the project, which required extensive coordination between the client and the contractor given the project modifications following bids. The project was completed in 2001 for construction costs of approximately \$2.85 million.