

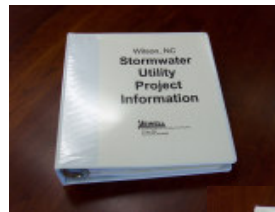
Stormwater Studies, Ordinances & Programs

JEWELL Engineering Consultants (JEC) offers experienced guidance in preparation of Stormwater Utility Ordinances for Municipalities. Whether the community is large or small, we have the professional staff ready to assist in guidance and preparation of Stormwater Ordinances and Utility Programs. **JEC** has helped communities prepare cost effective programs, obtain funding, provide public education and assisted them in a wide variety of projects in the process. Our skilled staff will provide guidance in every facet of the program, instructing and presenting many of the various options and directions specific for each community. **JEC** also conducts storm water plan reviews for many municipalities. Following are examples of communities that we have assisted. The **JEC** team has collectively over 50 experience in water resources engineering.

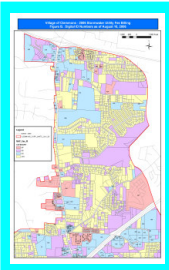
STORMWATER UTILITY PROGRAMS

Wilson, NC – Stormwater Program and Utility Development The City of Wilson is required by the State of North Carolina to implement a stormwater management program to meet the Neuse River Regulations for stormwater quality. **JEC's** guidance intalized and worked with a Stormwater Advisory Committee to develop a stormwater management program under the Public Services Department to manage stormwater within the City. The program addresses 4 primary areas: 1) nitrogen runoff reduction from new developments, 2) illegal discharge elimination, 3) retrofit identification for water quality features, and 4) public education and involvement. The program was adopted and implemented in 2001. City Council adopted the Stormwater Utility Ordinance and rate started in January 2003. The utility is based on residential properties a flat fee and non-residential fee based on impervious area. This utility generates about

in the spring of 2002 and billing imperviousness and charges properties a multiple of the residential \$2,000,000 in revenue per year.



Village of Clemmons, NC – Stormwater Management Program.



The Village of Clemmons required a program to meet NPDES Phase 2 requirements, address flooding issues, and develop a high quality Stormwater Utility for funding. As a small community (pop. 16,000), Clemmons has chosen to be proactive in dealing with stormwater issues. The Utility is based on the principle of impervious area and is being billed annually on the Forsyth County tax bill. Clemmons, as a small community with limited resources, sets a strong example for how to effectively manage stormwater and to fund the program in a manner acceptable to the community. Public involvement and public education were prime components of the stormwater program and utility development.



Current projects:

The Town of Hickory NC where **JEC** has provided assistance to their Storm Water Division through public community meetings as the Town prepares to implement a Storm Water Utility Program. The City of Winston-Salem, NC where **JEC** provides experienced guidance to the City's Stormwater Division for Storm water Manual updates. The City of Asheville, NC where **JEC** is working with the community in various aspects of their storm water utility program. The Town of Kernersville, NC where **JEC** provides assistance to the Storm Water Department.



JEWELL Engineering Consultants provides cost effective solutions that meet the needs of communities for NPDES compliance as well as "State of the Art" stormwater ordinances and Utility programs.



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