



Brunswick County Board of Commissioners
ACTION AGENDA ITEM
2003

TO: Board of Commissioners
FROM: Marty K. Lawing, County Manager

ACTION ITEM #: VII-5
MEETING DATE: 10-20-03
DATE SUBMITTED: 10-13-03
EXHIBIT BOOK #:
ATTACHMENT #:

ISSUE/ACTION REQUESTED:

PUBLIC HEARING: YES NO

Resolutions Authorizing the Submittal of Applications for State Revolving Loan Fund Assistance for the West Brunswick Regional Wastewater Treatment and Transmission Facilities.

BACKGROUND/PURPOSE OF REQUEST:

The Construction Grants and Loans Section of the Division of Water Quality has issued a Finding of No Significant Impact committing \$30 million over two fiscal years for the West Brunswick Regional Wastewater Facilities Project and notified the County of final approval of the Brunswick County 201 Facilities Plan on October 6, 2003. The County must now submit a formal application for the Revolving Loan Funding Assistance. The loan applications must be authorized by the adoption of resolutions by the Board of Commissioners. Since the funding must be associated directly with project costs and the final funding allocation and project costs have not been determined at this time, two resolutions are presented for Board approval. One resolution includes the 3.0 MGD wastewater treatment works and the transmission system and the second resolution addresses only the wastewater transmission system portion of the project. This approach will give Costruction Grants and Loans flexibility in allocating SRL Funds for the Project.

The Resolution commits the County to arrange financing for the remaining project costs above and beyond the SRL Funds and to adopt a rate and fee schedule to provide adequate revenue for operation, maintenance and administration of the system and debt service. The Board of Commissioners must also agree to a provision in the loan agreement authorizing the State Treasurer to withhold any County funds due from the State for failure by the County to make scheduled debt service payments. The County also agrees to provide efficient operation and maintenance of the project when completed.

FISCAL IMPACT:

BUDGET AMENDMENT REQUIRED: YES NO
PRE-AUDIT CERTIFICATION REQUIRED: YES NO
REVIEWED BY DIRECTOR OF FISCAL OPERATIONS YES NO
TOTAL COUNTY DOLLARS: \$ _____

CONTRACTS/AGREEMENTS:

REVIEWED BY COUNTY ATTORNEY: YES NO N/A

ADVISORY BOARD RECOMMENDATION:

COUNTY MANAGER'S RECOMMENDATION:

Approve Resolutions Authorizing the Submittal of State Revolving Loan Funding Applications for the West

Brunswick Regional Wastewater Facilities.

ATTACHMENTS:

- 1. Resolutions
- 2. Approval Letter 201 Facilities Plan
- 3. _____

ACTION OF THE BOARD OF COMMISSIONERS

APPROVED:
 DENIED:

ATTEST: CLERK TO THE BOARD

DEFERRED UNTIL: _____
 RETURNED TO DEPARTMENT HEAD: _____
 DATE

SIGNATURE DATE

OTHER:



075

Michael F. Easley, Governor
William G. Ross Jr., Secretary
North Carolina Department of Environment and Natural Resources

Alan W. Klimek, P. E. Director
Division of Water Quality
Coleen H. Sullins, Deputy Director
Division of Water Quality

October 6, 2003

Mr. Marty K. Lawing, County Manager
Brunswick County Government Center
Post Office Box 249
Bolivia, North Carolina 28422

RECEIVED

OCT 13 2003

BRUNSW. CO. ADMIN.

SUBJECT: Approval
Brunswick County 201 Facilities Plan
West Brunswick Regional Wastewater Treatment Facilities
Project No. CS370811-02

Dear Mr. Lawing:

The Construction Grants and Loans Section of the Division of Water Quality has completed its review of the Brunswick County 201 Facilities Plan. The project consists of the following wastewater collection/transport facilities and treatment facilities:

Collection/Transport Facilities. A regional pressure sewer collection system will be provided to serve West Brunswick County and will consist of three regional pumping stations and force mains to transport wastewater to the new 3.0-million-gallon-per-day (MGD) West Brunswick wastewater treatment plant (WWTP). Wastewater will be collected in local collector systems and then enter the new regional pressure sewer system by connection to one of the three regional pump stations or by being pumped from the local system into the new regional system by means of a direct connection to one of the regional force mains. The regional pressure sewer collection system will consist of the 2,400-gallon-per-minute (GPM) Holden Beach pump station, the 1,170 gpm Boone's Neck pump station, the 420 gpm Bolivia pump station, 5,000 linear feet (l.f.) of 24-inch diameter force main, 34,400 l.f. of 20-inch diameter force main, 37,500 l.f. of 18-inch diameter force main, 65,400 l.f. of 16-inch diameter force main, and 41,300 l.f. of 8-inch diameter force main.

Treatment Facilities. The new 3.0 MGD West Brunswick WWTP will provide tertiary treatment, and the treated reuse quality effluent will be disposed of at a site owned by the county and at Winding River Plantation and the town of St. James. The WWTP will consist of an influent pumping station, influent flow equalization basin, bar screens, two aerated grit removal tanks, two extended aeration oxidation ditches with biological nutrient removal capabilities, two secondary clarifiers, four tertiary filters, a turbidity meter, a five-day side-stream detention pond, ultraviolet disinfection, an effluent pumping station, and a two-reactor autothermal thermophilic



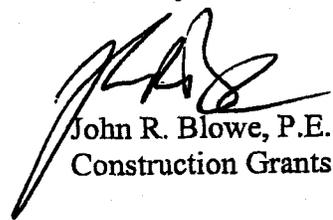
Mr. Marty K. Lawing, County Manager
Page 2
October 6, 2003

aerobic digestion (ATAD) facility that will meet the 40 CFR 503 regulations for Class A biosolids. The reuse quality effluent will be conveyed to the county's dedicated reclaimed water disposal site and to the existing disposal sites at Winding River Plantation and the town of St. James. The effluent conveyed to the county's dedicated site will be pumped to a 100-million-gallon (MG) storage lagoon, located at the site, for distribution to the reclaimed water disposal site by means of a drip irrigation system on approximately 590 acres of wetted area. The remainder of the reuse quality effluent will be pumped from the treatment plant to the existing Winding River Plantation and the town of St. James. These existing reclaimed water sites are currently permitted for 600,000-gallons-per-day (GPD) and 500,000 gpd, respectively. The reclaimed water distribution system to serve the town of St. James and the Winding River Plantation will consist of approximately 5,000 l.f. of 24-inch diameter pipe, 33,500 l.f. of 16-inch diameter pipe, 45,800 l.f. of 12-inch diameter pipe, and 7,000 l.f. of 8-inch diameter pipe.

The subject Brunswick County 201 Facilities Plan is hereby approved.

If you have any questions concerning this matter, please contact Mr. Larry Horton, P.E. of our staff at (919) 715-6225.

Sincerely,



John R. Blowe, P.E., Chief
Construction Grants and Loans Section

KLH/dr

- cc: Steve Stone, Brunswick County
- Eric Williams, P.E., HDR Engineering
- Ed Beck, DWQ Wilmington Regional Office
- Daniel Blaisdell, P.E.
- Amy Simes, P.E.
- Hannah Stallings
- PMB/DMU/FEU/SRF

**WEST BRUNSWICK REGIONAL WASTEWATER TREATMENT FACILITIES
RESOLUTION BY BRUNSWICK COUNTY BOARD OF COUNTY COMMISSIONERS
TO APPLY FOR STATE REVOLVING FUND LOAN ASSISTANCE**

WHEREAS, The Federal Clean Water Act Amendments of 1987 and the North Carolina Clean Water Revolving Loan and Grant Act of 1987 have authorized the making of loans and grants to aid eligible units of government in financing the cost of construction of wastewater treatment works, and/or wastewater collection systems, and

WHEREAS, The County of Brunswick has need for and intends to construct a regional wastewater transmission system project described as the West Brunswick Regional Wastewater Sewage Transmission Facilities project, and

WHEREAS, The County of Brunswick intends to request state loan assistance for the project,

NOW THEREFORE BE IT RESOLVED, BY THE BRUNSWICK COUNTY BOARD OF COUNTY COMMISSIONERS:

That the County of Brunswick will arrange financing for all remaining costs of the project, if approved for a State loan award.

That the County of Brunswick will adopt and place into effect on or before completion of the project a schedule of fees and charges which will provide adequate funds for proper operation, maintenance, and administration of the system and the repayment of all principal and interest on the debt.

That the governing body of the County of Brunswick agrees to include in the loan agreement a provision authorizing the State Treasurer, upon failure of the County of Brunswick to make scheduled repayment of the loan, to withhold from the County of Brunswick any State funds that would otherwise be distributed to the local government unit in an amount sufficient to pay all sums then due and payable to the State as a repayment of the loan.

That County of Brunswick will provide for efficient operation and maintenance of the project on completion of construction thereof.

That David Sandifer, Chairman, and successors so titled, is hereby authorized to execute and file an application on behalf of the County of Brunswick with the State of North Carolina for a loan to aid in the construction of the project described above.

That David Sandifer, Chairman, and successors so titled, is hereby authorized and directed to furnish such information as the appropriate State agency may request in connection with such application or the project: to make the assurances as contained above; and to execute such other documents as may be required in connection with the application.

That the County of Brunswick has substantially complied or will substantially comply with all Federal, State, and local laws, rules, regulations, and ordinances applicable to the project and to Federal and State grants and loans pertaining thereto.

Adopted this the _____ at Bolivia, North Carolina.

David Sandifer, Chairman

CERTIFICATE OF RECORDING OFFICER

The undersigned duly qualified and acting Clerk of the Brunswick County Board of County Commissioners does hereby certify:

That the above/attached resolution is a true and correct copy of the resolution authorizing the filing of an application with the State of North Carolina, as regularly adopted at a legally convened meeting of the Brunswick County Board of County Commissioners duly held on the _____th day of _____, 2003; and, further, that such resolution has been fully recorded in the journal of proceedings and records in my office.

IN WITNESS WHEREOF, I have hereunto set my hand this _____ day of _____, 2003.

Clerk to the Brunswick County Board of County Commissioners

**WEST BRUNSWICK REGIONAL WASTEWATER TREATMENT FACILITIES
RESOLUTION BY BRUNSWICK COUNTY BOARD OF COUNTY COMMISSIONERS
TO APPLY FOR STATE REVOLVING FUND LOAN ASSISTANCE**

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WHEREAS, The County of Brunswick has need for and intends to construct a 3.0 MGD wastewater treatment works and wastewater transmission system project described as the West Brunswick Regional Wastewater Treatment and Sewage Transmission Facilities project, and

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Clerk to the Brunswick County Board of County Commissioners