

❖ WASTEWATER ENGINEERING SERVICES

Triad provides planning, design and construction administration for wastewater systems ranging in size from short sewer line extensions to major collection and treatment systems. Our experienced staff of professional engineers and designers provides personal attention and puts the needs of our clients first. They are well versed in all federal and state regulations related to wastewater systems, and they are extremely knowledgeable and experienced in working with funding agencies.

Our staff members have designed numerous wastewater collection and treatment systems for a diverse group of clients. We offer assistance and guidance in resolving problems while delivering high quality and innovative solutions through sustainable design. We can provide a turn-key project or serve in a limited role depending on the client's needs. Our background includes design of new facilities of varying magnitude, as well as system expansion and cost-effective rehabilitation of existing systems. We can provide operation and maintenance assistance as well as troubleshooting systems.

Efficient, cost-effective collection and treatment of wastewater is necessary to protect the health of the population and the environment. Triad has the experience and capabilities to assist you in the development of a dependable wastewater collection and treatment system to meet the needs of your community.

Wastewater Engineering Design Services Include:

- ▼ Preparation of Facilities Planning Studies and Preliminary Engineering Reports
- ▼ Assisting Clients in Obtaining Funding
- ▼ Design of Wastewater Systems
 - Line Layout
 - Hydraulic Analysis
 - Pump Station Design
 - Odor Control Facilities
 - Plant Layout and Design
 - Rehabilitation of Existing Systems
- ▼ Specifications and Construction Documents
- ▼ Permit Applications
- ▼ Construction Cost Estimates
- ▼ Assistance in Land Acquisition and Obtaining Rights-of-Way
- ▼ Assistance in Securing Competitive Construction Bids
- ▼ Construction Administration
 - Review of Shop Drawings
 - Processing Contractor's Periodic Pay Requests
 - Construction Monitoring
 - Semi-Final and Final Inspections
 - Preparation of Operation and Maintenance Manuals
 - One-Year Certifications
 - Final Project Close-Out

