

Owner:

City of Bastrop
904 Main Street
PO Box 427
Bastrop, Texas 78602

Contact:

Jeff Holberg
512.303.7305

Role:

Sub Consultant

Prime Consultant:

BEFCO Engineering, Inc.
485 N. Jefferson
P.O. Box 615
La Grange, Texas 78945

Construction Cost:

\$6,600,000

Completion Date:

In Progress

Nature of the Work:

- + WWTP Design
- + Construction Phase Services

Services Provided

K Friese & Associates, Inc. was contracted to provide design, bidding, and construction phase services for a new wastewater treatment facility to serve the high growth area of western Bastrop.

The City of Bastrop is experiencing high growth west of the Colorado River. This growth is predicted to exceed the treatment capacity of the City's existing wastewater treatment plant located on the east bank of the Colorado. After completion of the preliminary engineering and permitting phase, KFA was retained to complete the design, bidding and construction phases.

The treatment facilities include a 1.5 million gallon per day extended air facility with secondary clarification, chlorination, and dechlorination. A carousel, or racetrack, aeration basin is being used with mechanical aerators driven by variable frequency drives. The speed of the VFD's is dictated by the dissolved oxygen level in the basin. The plant's solids pass through a two stage aerobic digester, post-thickener, and are then dewatered by means of a 1.5 meter belt press. In addition to providing mechanical and process design services, KFA is coordinating electrical, control, and structural engineering.

Bid phase services include interpretations for prospective bidders, issuance of addenda if required, and bid evaluation. Construction phase services consist of periodic observance of the work, review of Contractor Change Order requests, review of shop drawings, and response to Contractor requests for information.

