

STRONGWELL

APPLICATION PROFILE

FIBERGLASS STRUCTURES AND SYSTEMS ARE DEPENDABLE, SAFE IN WASTEWATER PLANTS

Fiberglass troughs, ladders, handrails and walkways at the city of Baton Rouge Wastewater Treatment facilities have provided trouble-free service since 1987. The fiberglass materials are cost effective and require little maintenance compared to steel structures. Four of the city's wastewater plants required expansion and city engineers knew that fiberglass would have a longer service life than metal in the highly corrosive wastewater environment, so fiberglass equipment was used wherever possible.

Strongwell fabricated structures using EXTREN® fiberglass structural shapes, DURADEK® fiberglass grating and molded fiberglass round bottom troughs and weirs for various expansion phases at the Baton Rouge facilities.

A spokesman for the engineering consultant on the job stated, "The fiberglass platforms and walkways were designed to give workers safe access to equipment in the plants. Fiberglass



structures are well suited for this purpose because they are resistant to chemical corrosion and are structurally sound. Installation was easy and the structures are holding up fine."

Installation supervisors from Cajun Contractors of Baton Rouge reported that fiberglass structures at the wastewater treatment plants were easy to install and looked attractive. Pitman Company, another contractor on the job, reported, "Our crew had never worked with fiberglass structures before and was very surprised at how easy it was to install."

TECHNICAL DATA

Product: Fiberglass Handrails, Platforms, Troughs, Weirs, Ladders, Stairs

Process: Pultrusion

Materials: EXTREN® Series 525 fiberglass reinforced polyester, fire retardant
DURADEK® T-5000 2" fiberglass reinforced polyester grating, fire retardant
Molded fiberglass round bottom troughs and weirs

Sizes: Square bottom troughs—525 lineal feet

EXTREN® structural shapes:
1/4" Plate
2" x 2" x 1/4" Angle
3-1/2" x 1-7/8" x 2" x 1/8" Hat section
1" Square tube stiffeners

Handrail—6000 lineal feet

Five ladders

Four platforms with stairs

Trench covers—500 sq. ft.

For: City of Baton Rouge Wastewater Treatment Facility

STRONGWELL



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