

PUMP STATION REHABILITATION

SOUTH TEXAS CITY PUMP STATION
GALVESTON COUNTY, TEXAS



DESCRIPTION:

The South Texas City Pump Station is located on the southwest shoreline of Galveston Bay in Galveston County, Texas and is part of the mainland Texas gulf coast area. The pump station houses three storm water pumps with the capacity of moving water at a rate of 150,000 gallons per minute. All three pumps were installed in the mid-1960s by the Army Corps of Engineers. NAES was contracted to rehabilitate two of the three pumps outside of the June 1 to December 1 hurricane season. The contract required that two of the three pumps were to be available for use at all times, so it was necessary to remove, rehabilitate and reinstall each pump one at a time within a 180 day window.

SERVICES PROVIDED:

NAES performed the following field and shop services during the rehabilitation project:

- Removal, transportation, inspection, and replacement or rehabilitation of pump components
- Rehabilitation of pump number 2 gearbox
- Provision of spare parts for pump number 3 gearbox
- Refurbishment of pump discharge pipes
- Installation and start up of rehabilitated pumps
- Electrical system improvements, including installation of the upgraded motor control center
- Additional electrical and mechanical improvements outside the original scope of work

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