

<b>Staff Experience - Fluid Handling Systems Experience<sup>1</sup></b>			
<b>Project</b>	<b>Client</b>	<b>Location</b>	<b>Description</b>
Peachtree Electric Pumping Station	City of Atlanta	Atlanta, GA	Raw-water pumping system for the 202-mgd pumping station utilizing vertical turbine pumps ranging up to 2,500 horsepower with traveling screens and hydraulically actuated valves. System also included a 22,000 gallon surge tank for prevention of discharge main surge.
Telfair State Prison WWTP	Georgia Department of Corrections	Helena, GA	Work consisted of designing an effluent pumping station and land application sprayfield for disposal of wastewater effluent for a state prison facility. The system capacity was 125,000 gallons per day.
Fowler WRF	Forsyth County	Cumming, GA	Managed operation of a membrane bioreactor plant while representing the design-builder. Plant also included an effluent reuse system and land application sprayfield.
Georgia Diagnostic & Classification Center	Georgia Department of Corrections	Jackson, GA	Work consisted of designing an upgrade to the existing land application sprayfield to expand effluent disposal capacity to 400,000 gallons per day.
BellSouth Above-Ground Fuel Storage Tanks	BellSouth	Misc. Locations in Georgia	Above-ground (vaulted) fuel storage systems for supply of fuel for standby power systems at various BellSouth switching facilities
Central Park Elementary School	Birmingham Public Schools	Birmingham, AL	Designed the tempered water loop and heat exchange system for the water source heat pump system
Chattahoochee & Peachtree Electric Pumping Stations	City of Atlanta	Atlanta, GA	Hydraulic valve-actuation systems for high-service pumping systems
Chattahoochee Finished Water Pump Station Evaluation	City of Atlanta	Atlanta, GA	Evaluated cavitation and surge issues for the high-service pumps at the Chattahoochee Finished Water Pumping Station in Atlanta, Georgia. Produced report with recommendations for improvement.
Chelsea Water Treatment Plant	Beaufort-Jasper Water & Sewer Authority	Beaufort, SC	Above-ground tanks and double-wall contained site distribution piping to supply fuel to multiple generators across the plant site
Hemphill Surge Tank	City of Atlanta	Atlanta, GA	Pump station surge control system on the discharge of the Hemphill Pumping Station high service pumps consisting of 22,000-gallon surge tank and instrumentation system to protect the City's underground potable water mains from excessive surge pressures.
Metal Recycling Facility	Newell Recycling	Doraville, GA	High pressure hydraulic system for actuation of shredder mechanisms and conveyance equipment
RM Clayton WRF Odor Control	City of Atlanta	Atlanta, GA	Caustic and sodium hypochlorite storage and feed system and scrubber recirculation pumping system
South River WRF Odor Control	City of Atlanta	Atlanta, GA	Caustic and sodium hypochlorite storage and feed system and scrubber recirculation pumping system
Town Creek Water Treatment Plant	Macon Water Authority	Macon, GA	20,000-gallon above-ground generator fueling system for supply of fuel to a standby generation facility
Utoy Creek WRF Odor Control	City of Atlanta	Atlanta, GA	Caustic and sodium hypochlorite storage and feed system and scrubber recirculation pumping system

1 - Experience obtained with ESS and prior firms.		
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