

COMMUNICATIONS FACILITY – Atlanta, Georgia

FUEL STORAGE AND TRANSFER SYSTEM REPLACEMENT

SCOPE Replacement of the fuel storage and transfer system was performed in conjunction with replacement of three standby generators. The new fuel system included a new 30,000-gallon underground tank, four submersible fuel pumps, two fuel transfer and circulating header systems, and two control systems.



Mechanical Contractor
EDS

Prime Consultant
Howell Rusk Dodson

Construction Cost
\$250,000 (fuel system only)

SPECIAL CIRCUMSTANCES

- Removal of 30,000-gallon interior fuel tank, piping, and multiple daytanks.
- Installation of new 30,000-gallon underground fuel storage tank in very space-restricted area.
- Design of a 10,000-gallon fiberglass water storage tank serving as emergency make-up water storage for the HVAC system.
- Design of dual circulating header fuel supply systems serving two different generator rooms, each with multiple generators.
- Very restrictive local codes limited fuel storage and transfer options.



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