

ASR ULTRAVIOLET DISINFECTION SYSTEM

West & Southwest Well Fields - Miami Dade County, Florida



CLIENT Miami-Dade Water
and Sewer Department
3071 SW 38th Avenue
Miami, Florida 33146

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PROJECT DESCRIPTION

Construction of two raw water UV disinfection systems for existing aquifer storage and recovery (ASR) wells located at the West and Southwest Well Fields. The systems have an average design flow of 20 MGD and 15 MGD, respectively; allowing injection of water into the Upper Floridian Aquifer while insuring primary drinking water standards at all times prior to injection.

SCOPE OF WORK

The project includes construction of two concrete UV buildings located at the West and Southwest Well Fields. Each building houses a raw water UV disinfection system with 36" influent and effluent lines connecting to existing 42" lines. The project also entails procurement and installation of the electrical, instrumentation and control systems, including electromagnetic flow meters, power and control equipment, and pad mounted transformers.

COMPLETION DATE

2009

PROJECT COST

\$ 5,184,788