

LONNIE HOWARD, PE President



Licensing & Registration

Florida Professional Engineer,
License No. 53167

Florida Water Well Contractor,
License No. 7177

Education/Training

M.E. Hydraulics (1995),
B.S. Civil Engineering (1993),
University of Florida

Lonnie began working for Johnson Engineering in 1994 after completing the University of Florida's graduate program in groundwater and open channel hydraulics. His dedication and leadership enabled him to be elected President of the firm in 2012. Under his direction, the firm has continued to successfully exceed its target revenue, profit, and business growth objectives. This success is based in part to Lonnie's relentless commitment to client satisfaction and out-of-the-box strategies to improve efficiency. In addition to running the overall operations of the firm, Lonnie is a professional engineer that also works alongside the firm's groundwater resources team. He has extensive experience in hydrogeological investigations, well construction, wellfield design, groundwater modeling, dewatering plans, deep injection wells, water supply planning, and water use permitting. He has worked on numerous projects for municipalities, utilities, private developers, and agricultural clients. Lonnie has also provided expert testimony before hearing examiners related to zoning cases and before the Governor's cabinet pertaining to water supply and hydrogeology at the Babcock Ranch.

Relevant Experience

- ↪ Hydrogeological Investigation of the Upper Floridan Aquifer System, Town and Country Utilities Company, Babcock Ranch, FL – Lonnie was the project manager responsible for the hydrogeologic investigation at Babcock Ranch in Charlotte County for development of the Public Water Supply Wellfield for Town and Country Utilities. This project included design, testing, construction observation, and construction administration of 2 upper Floridan Aquifer test production wells completed to depths of 940 feet and two dual-zone monitor wells completed to depths of 1,400 feet. Testing of these wells included full suite geophysical logging and seven-day constant rate pumping and recovery tests. Data collected from this investigation was analyzed and used to design and permit (08-00122-W) a 7 MGD public water supply wellfield through the South Florida Water Management District.
- ↪ LaBelle Private Drainage District Water Supply Permitting, LPDD, LaBelle, FL – As project manager, Lonnie's tasks included permit renewal for continued operation of 43 MGD water supply sourcing water from C-43 and includes 8 Lower Hawthorn production wells. This project also included flow calibration of a 6-pump pumping station capable of 150,000 gallons per minute (216 MGD).
- ↪ Hydrogeological Investigation of the Upper Floridan Aquifer, Corkscrew Wellfield, Lee County Utilities, Fort Myers, Florida – Lonnie served as project manager for this project that included design, testing, construction observation, and construction administration of an Upper Floridan Aquifer test production well completed to depth of 810 feet and one dual-zone monitor well completed to a depth of 863 feet. Testing of these wells included full suite geophysical logging and 72-hour constant rate pumping and recovery tests along with the associated analyses of the aquifer performance testing.
- ↪ Wastewater Treatment Plant Class I Deep Injection Well, Lee County Utilities, Fort Myers Beach, FL - Lonnie was the project manager involved in all aspects of construction inspection of the injection well and associated dual-zone monitoring well. The injection well was completed to a total depth of 3,036 feet and was designed to dispose of 7.9 MGD of secondarily treated effluent. Recent tasks include permit renewal for continued operation of the injection well.
- ↪ North Fort Myers Utility Deep Injection Wells, North Fort Myers, FL – Lonnie was the project manager responsible for the permit renewal of North Fort Myers Utility's existing 4 MGD deep injection well and associated mechanical integrity testing along with the design and permitting through the Florida Department of Environmental Protection of a proposed 7.9 MGD deep injection well.
- ↪ Hydrogeological Investigation of the Upper Floridan Aquifer System, Charlotte County Utilities, Babcock Ranch Preserve, FL – Lonnie was the project manager responsible for the hydrogeologic investigation at Babcock Ranch Preserve in Charlotte County for development of a Public Water Supply Wellfield for Charlotte County Utilities. This project included design, testing, and construction of an upper Floridan Aquifer test well completed to a depth of 1,200 feet, an Intermediate Aquifer well, and a Surficial Aquifer well. Testing of these wells included full suite geophysical logging and three-day constant rate pumping and recovery tests. Data collected from this investigation was analyzed and will be used to design and permit a 3 MGD public water supply wellfield through the SFWMD.