

**Project Related Experience**

**McNabb Hydrogeologic Consulting, Inc. (2006-present)**

**President/Hydrogeologist-** Provide hydrogeologic consulting services with emphasis on deep injection well and aquifer storage and recovery systems design, permitting and construction oversight services.

**Coral Spring Improvement District Injection Well System** – Provided mechanical integrity testing professional services and operating permit renewal services for two deep injection wells at the CSID Wastewater Treatment Plant.

**Florida Power & Light Turkey Point Exploratory Well** – Provided design, permitting and construction oversight services for a 3,230 foot deep exploratory well and dual-zone monitor well at the FPL Turkey Point site. The wells were constructed to Class I injection well standards with a 24-inch diameter final casing and 18-inch diameter FRP injection tubing.

**Florida Power & Light West County Energy Center Deep Injection Well System** – Provided design, permitting, construction oversight and expert witness services for the deep injection well system at the FPL West County Energy Center. The system consists of two Class I deep injection wells constructed to a depth of 3,400 feet and a dual zone monitor well. The wells were completed with a 20-inch diameter final casing and 16-inch diameter FRP injection tubing.

**City of Lake Worth Class I Industrial Deep Injection Well System** – Provided design, permitting and construction oversight services for a 3,300 foot deep injection well system for disposal of reverse-osmosis concentrate. The well is used for disposal of reverse-osmosis concentrate.

**Imperial Irrigation District Deep Injection Wells** – Provided construction oversight services for construction of two 2,750-foot deep Class I deep injection wells at the El Centro Generation Center in El Centro, California.

**Okeechobee Utility Authority Deep Injection Well** – Provided construction oversight services for construction of a 3,200-foot deep Class I deep injection well and associated 2,000 foot deep dual-zone monitor well at the Cemetery Road Wastewater Treatment Plant.

**City of West Palm Beach Dual-Zone Monitor Wells** – Provided construction oversight services for construction of three 2,300-foot deep dual-zone monitor wells associated with the Class I deep injection well system at the East Central Water Reclamation Facility. The project included the plugging and abandonment of three monitoring tubes that are no longer in service.

**City of West Palm Beach Injection Wells IW-1 through IW-7** – Provided mechanical integrity testing professional services for seven deep injection wells at the East Central Water Reclamation Facility.

**Fort Pierce Utilities Authority Water Treatment Facility Industrial Deep Injection Well IW-1** – Provided consulting services for mechanical integrity testing of Class I Industrial deep injection well IW-1 at the Authority's Water Treatment Facility.

**Fort Pierce Utilities Authority Island Water Reclamation Facility Deep Injection Well IW-1** – Provided consulting services for operating permit renewal and mechanical integrity testing services of Class I deep injection well IW-1 at the Authority's Island Water Reclamation Facility.

**Port St. Lucie Northport Industrial Deep Injection Well** – Provided consulting services for mechanical integrity testing of a Class I Industrial deep injection well IW-1 at the City's Northport Wastewater Treatment Plant.

**Port St. Lucie Southport Deep Injection Well** – Provided consulting services for mechanical integrity testing of a Class I deep injection well IW-1 at the City's Southport Wastewater Treatment Plant.

**Florida Power & Light West County Energy Center Injection Well System Operational Testing Services** – Currently providing FPL with Operational Testing Services. To date this has included preparation of the Request for Operational Testing for both injection wells, preparation of an Operations and Maintenance Manual for the deep injection well system, on-site deep injection well system operation training, and on-going monitoring data analysis.

**Charlotte County Burnt Store Class I Industrial Deep Injection Well** – Provided design, permitting and construction oversight management services for a 3,268-foot deep Class I Industrial deep injection well for disposal of reverse osmosis concentrate and treated wastewater at the Burnt Store Water Treatment Facility. Also provided operating permit renewal services for deep injection well IW-1 at the facility.

# **David McNabb, P.G.**

## **McNabb Hydrogeologic Consulting, Inc.**

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**Charlotte County Zemel Road Landfill Industrial Deep Injection Well** – Provided consulting services for mechanical integrity testing and operating permit renewal for the Zemel Road Landfill deep injection well.

**Charlotte County East Port Deep Injection Well IW-1** – Provided consulting services for mechanical integrity testing of East Port Water Reclamation Facility deep injection well IW-1.

### **LBFH, Inc. (2003 – 2006)** **Hydrogeology Manager**

Hydrogeology manager focused primarily on deep injection well, ASR well, and production well design, permitting and construction management projects. Duties included groundwater-related project business development and project management for deep injection well, shallow injection well, aquifer storage and recovery well, and production well projects.

### **Arcadis, Inc. (2002 – 2003)** **Deep Injection Well Services Program Manager**

Served as the firm's program manager for deep injection well design, permitting, and construction oversight projects. Duties included project business development for deep injection well projects. Additional responsibilities included technical quality control of Groundwater Program projects.

### **CH2M HILL, Inc. (1995 – 2002)** **Project Manager and Hydrogeologist**

Was responsible for managing projects involving siting, design, construction oversight, testing, and obtaining permits for deep injection wells and Aquifer Storage and Recovery (ASR) wells. Work included siting and design of injection wells and ASR wells, preparation of Florida Department of Environmental Protection (FDEP) injection well permit applications and responses to requests for information, development and interpretation of deep injection well and ASR well construction and testing programs, preparation of construction contract documents and management of well construction contracts. Other responsibilities included providing resident observation services during well construction and testing, and preparation of well construction completion reports. Communication with clients and contractors was an integral part of the responsibilities.

### **Florida Department of Environmental Protection, Underground Injection Control (1992-1995)** **Professional Geologist**

Responsibilities included the review and evaluation of Class I and Class V injection well and ASR well permit applications and proposed well construction and testing plans. Also responsible for reviewing well construction and testing engineering reports, weekly construction progress reports, monthly operating reports, and performing annual inspections of Class I injection well facilities. Interaction with consultants and key utility staff were instrumental in resolving regulatory issues.

### **Mobil Oil Corporation (1987-1992)** **Exploration Geologist**

Was responsible for conducting large-scale regional geologic studies to assess the hydrocarbon potential of numerous Mesozoic rift basins. Also conducted short-term and long-term mapping projects for much of Southeast Asia and South America, using conventional and computer-aided design.

### **Education**

1985, B.S. Geology, Indiana University

1991, M.S. Geology, University of Texas at Arlington