
ANDREW S. NELSON, P.E.

EDUCATION

University of Florida – B.S. in Civil Engineering, 2012
American Council of Engineering Companies (ACEC) Georgia: Future Leaders Program

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

Professional Engineer – Georgia

EMPLOYMENT HISTORY

2019 to present – Sevee & Maher Engineers Inc., Marietta, Georgia, Environmental Engineer
2013 to 2019 – Wood PLC, Atlanta, Georgia, Professional Engineer
2012 to 2013 – Field & Technical Services LLC, Gainesville, Florida, Operator/Technician

PROFESSIONAL EXPERIENCE

Mr. Nelson has experience in environmental and civil engineering and consulting with a focus on sustainability and remediation projects. Typical project experience includes:

- Designed and installed a nanofiltration pilot system for drinking water treatment at a Marine Corps Air Station to assist with the design of a full-scale upgrade to the on-base water treatment plant.
- Designed and installed an NPDES-compliant pH adjustment system for toe drain seepage water at a coal combustion power station.
- Compiled Operation, Monitoring and Maintenance (OMM) plans for groundwater treatment systems. The OMM plans enabled on-site operators and technicians to safely and effectively maintain treatment systems for adherence to established regulatory discharge limits.
- Planned data gathering field activities for preparing a quantitative flow model for seven coal combustion power stations. Responsibilities included deploying water flow meters, investigating existing process flow diagrams, and analyzing flow and rainfall characteristics. The model helped the client evaluate potential impacts of regulatory actions affecting the fossil fuels power sector and enabled the client to identify specific areas where water management practices could be improved.
- Planned groundwater monitoring events. Assisted in implementing monitoring events and documentation and reporting to adhere to Resource Conservation and Recovery Act (RCRA) and/or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) requirements.
- Planned and oversaw implementation of sediment removal from a 3-million gallon stormwater collection tank with sediment accumulation of approximately 5-feet from 30 years of tank use. Cleanout performed to increase capacity of the tank, ultimately assisting the client with their effort to revitalize the on-site wastewater treatment system to meet new, more stringent National Pollutant Discharge Elimination system (NPDES) requirements.
- Operated the groundwater treatment system at a National Priorities List (Superfund) site. This included troubleshooting pumping wells and plant pumps and associated mechanical equipment, backwashing carbon and multimedia filters manually, and installing and maintaining site erosion controls as part of the consent order.