

Torris J. Babbs, P.E. - Principal Professional Summary

More than eighteen years of experience in the field of civil engineering. Background includes construction management of roadway projects, environmental studies, and also hydraulic designs for roadway and civil site projects. Knowledgeable of roadway and civil site projects from preliminary stages through final design. The most recent accomplishment involves completion of the water resource sections for the Construction and Operation License Application "COLA" for an estimated construction cost \$4.5 billion dollar Nuclear Power Plant for Detroit Edison Utility Company. The proposed plant is called Fermi III; the COLA is shown on www.nrc.gov/reactors/new-reactors/col/fermi.html.

Nuclear Experience Highlights

Successful completion of Environmental Report (ER) for "COLA" section ER 2.3.1 Hydrology , section ER 2.3.2 Water Uses , section ER 4.2 and ER 5.2 Water-Related Impacts , section 6.3 Hydrological Monitoring; some of the key references reviewed in order to properly complete these sections were the following: 33 CFR 322, 33 CFR 330, 40 CFR 6,122,124,227, and 149. The guidelines, within the NUREG-1555 provided by the Nuclear Regulatory Commission, were followed to successfully complete the Environmental Report. Successful completion of Final Safety Analysis Report (FSAR) for "COLA" section FSAR 2.2.1 Develop Preliminary Plot Plan, section FSAR 2.4 Hydrology, section FSAR 2.4.1 Hydrologic Description, section FSAR 2.4.2 Floods, section FSAR 2.4.3 Probable Maximum Flood, section FSAR 2.4.4 Potential Dam Failures, section FSAR 2.4.5 Probable Maximum Surge and Seiche, section FSAR 2.4.6 Probable Maximum Tsunami, section FSAR 2.4.7 Ice Effects, section FSAR 2.4.8 Cooling Water Canals and Reservoirs, section FSAR 2.4.9 Channel Diversions, section FSAR 2.4.10 Flooding Protection, section FSAR 2.4.11 Cooling Water Supply/Low Water; some of the key references reviewed in order to properly complete these sections were the following: 10 CFR Part 50, 10 CFR Part 52, 10 CFR Part 100, ANSI/ANS-2.8-1992, EM 1110-2-1612, Regulatory Guides 1.27, 1.29, 1.59, 1.70, 1.102, and 1.206. The guidelines, within the NUREG-0800 provided by the Nuclear Regulatory Commission, were followed to successfully complete the Final Safety Analysis Report.

Transportation Construction Management Projects

- Successful completion of designing the roadway storm sewers in accordance to Georgia Department of Transportation roadway standards for a Two(2) miles of Gulf Stream Road Project, Chatham County-Savannah GA.
- Successful completion of managing and supervising roadway inspectors on a Six (6) mile Grade and Drain Project, Hwy 21 Munford/Oxford, AL that was constructed to meet the Alabama Department of Transportation Standards as well as Federal Highway Administration specifications on culverts and bridges.
- Successful completion of managing and supervising inspectors on numerous widening and resurfacing projects throughout central Alabama which includes AL Hwy 77, AL Hwy 21, AL Hwy 76, AL Hwy 148 , National Highway System Roadway US Hwy 280, US Hwy 80, AL County Roads 12 and 9 as well as Talladega 500 Speedway Boulevard approximately totaling 120 miles constructed to meet Alabama Department of Transportation Roadway Standards, Specifications, and Best Management Practices in all phases of construction.

Education

1994, Bachelor of Civil Engineer at Auburn University, Auburn AL

AFFILIATIONS AND CERTIFICATIONS

United Nations Global Millennium Development Foundation member 2011

Airport Minority Advisory Council (AMAC) 2010

American Society of Civil Engineers (ASCE) 2009

Local Government Project Procedures (LGPP) TXDOT 2011

Professional Engineering License AZ 2011, FL 2011, HI 2011, SC 2011, SD 2011, TN, 2011, TX 2011

Professional Engineering License MS 2011, KY 2011, KS 2010

NCEES International Registry Certificate 08/2010

NCEES Record Certificate 04/2010

GSWCC Level II Certification 2010

Professional Engineering License: Georgia (2009), Alabama (2007)

Alabama Bridge Certification, 2006

Qualified Credentialed Inspector (2003)

Re-Certification Hazwoper 2002

Worksite Erosion & Sediment Control Certification 2001

Hazwoper Certificate 2001