# Professional Record

## Professional Synopsis:

Mr. Hackney brings over seventeen years of experience developed in general industry and a tour of duty in the US Army 82nd Airborne Division. Following his earlier experiences, Mr. Hackney has established himself as a technician specialized in landfill Construction Quality Assurance (CQA) and related construction projects.

Mr. Hackney has lead and performed CQA for both geosynthetic cover and composite liner systems including LLDPE and HDPE material geomembranes, underground piping systems, and installation of both gas and groundwater wells.

Major projects for Mr. Hackney include the construction of the Red Rock C&D Landfill, Robeson County MSW Landfill, Johnston County MSW Landfill, Sampson County MSW Landfill, the International Paper Paper Sludge Landfill in NC, the CMC Class 3 Industrial Landfill in SC, and the Firewater Pond Interim Remedial Measure in North Haven CT.

At the Sampson County Landfill, a "rain gutter" style cover with a 30mil LLDPE final cover liner system with an underlying storm water runoff system and gas extraction system was constructed. At the Johnston County Landfill, a "piggy-back" double liner system with accompanying gas extraction, leachate collection and leachate detection systems was constructed. At the International Paper landfill in Riegelwood, Mr. Hackney conducted CQA of a double lined landfill cell using a 40mil HDPE liner system and incorporating tri-planar composite to assist in directional drainage of leachate which was installed in the location of one of the facilities settling ponds.

Mr. Hackney conducted CQA for installation of the geosynthetics at the CMC Landfill in SC. He provided guidance and instruction to the existing CQA firm as a subcontractor which proved a successful local relationship for the Owner.

Most recently, Mr. Hackney conducted CQA for the insitu interim stabilization of sediments and capping of the Firewater Pond in North Haven CT. He provided guidance, and instruction to the existing CQA firm as a subcontractor which aided in management of time and personnel, as well as providing a conduit of communications between multiple consulting firms to the benefit of the owner.

## Byron S. Hackney
## Field Technician

## Academic Credentials:

A.A.S., Survey Technology, Fayetteville Technical Community College (FTCC), 2001

## Professional Training:

GCI Certified Inspector for:
- Compacted Clay Liners
- Geosynthetics Materials

OSHA 40 Hour Hazardous Waste Operations Training
OSHA 30 Hour Safety and Health Training
OSHA Confined Space Training
OSHA Excavation & Trenching "Competent Person"
Transportation of Dangerous Goods Training
(HM181-126F-215B & IATA)
EPG's Pumps & Controls Service School Training
Solid Waste Managment Specialty Training
(Understanding and Performing Liner Integrity Survey)
SC Licensed Wastewater Operator
(Level D P/C) Trainee

## Employment Record:

2001-present - Richardson Smith Gardner & Associates
(formerly G. N. Richardson & Associates, Inc.)
2000-2001 - Catlin Engineers and Scientists
1990-1998 - Burkehead & DeVane Printing Company

## Principal Areas of Expertise:

Construction Quality Assurance (CQA) for:

- Earthworks
- Geosynthetic Liner Systems
- MSW, C&D, LCID and Industrial Landfills
- Geosynthetic Closure Systems
- Leachate Recirculation Systems
- LFG Gas Collection Systems

Groundwater Sampling
Construction Management
Geotechnical Drilling