

EDUCATION

M.S. Coursework, Louisiana State University (2004-2006)
▪ Agenda 2020 Assistantship Recipient

B.S., Forest Management, Louisiana Tech University (2003)
▪ H.D Burkhalter Scholarship Recipient

EMPLOYMENT

Providence Engineering and Environmental Group LLC Aug. 2012 - Current
Senior Environmental Scientist / Project Manager
Baton Rouge, LA

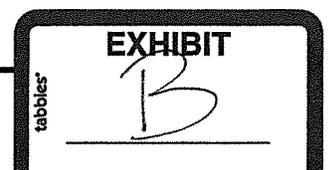
PPM Consultants, Inc. Dec. 2011 - Aug. 2012
Senior Environmental Specialist
Monroe, LA

Enterprise Products Company Oct. 2010 - Nov. 2011
Scientist, Field Environmental
Grand Cane, LA

Providence Engineering and Environmental Group LLC Dec. 2006 - Sept. 2010
Environmental Scientist III
Baton Rouge, LA

SUMMARY

Mr. Coleman has over nine years of multi-discipline experience and cross-functional expertise in environmental compliance assistance and project management. He has managed numerous projects within the energy sector providing services that include, but are not limited to, wetland delineations, threatened and endangered species and associated critical habitat surveys, biological monitoring, U.S. Army Corps of Engineers (USACE) Section 10/404 and Nationwide permitting, Coastal Use permitting, Special Use permitting, Natural and Scenic Rivers System permitting, Section 7 and Section 106 consultations, Section 401 permitting and compliance assistance, Spill Prevention Control and Countermeasure Planning, Phase I and II Environmental Site Assessments, Storm Water Pollution Prevention Planning, mitigation banking, and incident response and reporting. He has conducted regulatory permitting in Louisiana, Mississippi, Texas, Georgia, Alabama, and South Carolina and has served as a liaison to various federal, state, and local regulatory and resource agencies. Mr. Coleman has extensive experience in environmental compliance assistance and has served as an interim compliance manager, staff and lead biologist, environmental inspector, and ecological team leader on various pipeline projects throughout the United States. As a previous Field Environmental Scientist of three natural gas gathering systems consisting of over 500 miles of pipeline assets, including eleven supporting treating facilities and three distribution facilities, Mr. Coleman has the experience and knowledge to manage and communicate all aspects of an environmental program to ensure full compliance with applicable regulations.



KEY WORK EXPERIENCE

Pipeline

Environmental Compliance Manager: PennTex Midstream Partners, LLC, PennTex North Louisiana Gas Plant Project, Claiborne and Bienville Parishes, Louisiana. Responsibilities: Contracted as interim environmental compliance manager (natural resources, air, water, and waste) for the proposed construction of a 200 MMcf/d cryogenic plant and a natural gas and NGL gathering system consisting of approximately 54 miles of pipeline assets.

Field Environmental Compliance Scientist: Acadian Gas Pipeline System, Acadian Haynesville Extension – Segments 1 & 2, Red River, DeSoto, Natchitoches, Rapides, Avoyelles, St. Landry, and Pointe Coupee Parishes, Louisiana. Responsibilities: Environmental compliance oversight provided during construction phases of Acadian Gas Pipeline System's Haynesville Extension, an approximate 270-mile 42-inch-diameter and 36-inch-diameter pipeline installed to provide takeaway capacity from the Haynesville Shale play.

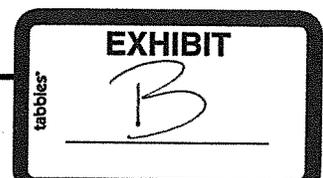
Ecological Team Leader: Wood Group Mustang Inc., Shell Pipeline Company Westward Ho Crude Oil Pipeline, St. James Parish, Louisiana to Port Neches, Texas. Responsibilities: Supervised ecological crews during wetland delineations and threatened and endangered species surveys for an approximate 200-mile 36-inch-diameter pipeline proposed to connect oil markets in St. James, Houma, and Clovelly, Louisiana with markets along the Texas Gulf Coast.

Staff Biologist: ETC Tiger Pipeline Company, Tiger Pipeline Project, Panola County, Texas and Caddo, DeSoto, Red River, Bienville, Ouachita, Richland, and Franklin Parishes, Louisiana. Responsibilities: Contracted as staff biologist to assist with ecological compliance assistance during construction phases of Energy Transfer Partners, L.P.'s Tiger Pipeline Project, an approximate 175-mile 42-inch-diameter pipeline installed to provide takeaway capacity from the Haynesville Shale play.

Staff Biologist: Creole Trail Pipeline, L.P., Creole Trail and Sabine Pass Pipeline Projects, Cameron, Calcasieu, and Beauregard Parishes, Louisiana. Responsibilities: Contracted as staff biologist to assist with ecological compliance assistance during construction phases of Cheniere Energy, Inc.'s Creole Trail and Sabine Pass Pipeline Projects, an approximate 153-mile pipeline system installed to provide takeaway of liquefied natural gas from Cheniere's Sabine Pass Terminal.

Chief Environmental Inspector: PennTex Midstream Partners, LLC, PennTex North Louisiana and Mt. Olive Gas Plant Projects, Claiborne, Bienville and Lincoln Parishes, Louisiana. Responsibilities: Managed and conducted environmental inspections during the construction of two 200 MMcf/d cryogenic plants and a natural gas and NGL gathering system consisting of approximately 90 miles of pipeline assets.

Project Manager: Lone Star NGL Refinery Services, LLC, Valero O-Grade Pipeline Project, St. Charles and St. John the Baptist Parishes, Louisiana. Responsibilities: Managed ecological and cultural surveys, regulatory permitting, and liaison assistance for the proposed construction of an approximate 9.4-mile natural gas liquids (NGL) pipeline from Valero's St. Charles refinery to Lone Star NGL Refinery Services, LLC's existing 10-inch-diameter Lone Star pipeline. Federal, state, and local resource agencies involved with the project included: Louisiana Department of Natural Resources, Office of Coastal Management (OCM), Louisiana Department of Wildlife and Fisheries (LDWF), Louisiana Office of Cultural Development, Division of Archaeology, Lake Pontchartrain Levee District, Louisiana Department of Transportation and Development (LADOTD), Coastal Protection and Restoration Authority (CPRA), and USACE, Surveillance and Enforcement, Engineering, Regulatory, Real Estate, and Operations Divisions.



Project Manager: *PBF Energy, Inc., MOEM Pipeline 8 HCA Repairs, St. Bernard Parish, Louisiana.*
Responsibilities: Managed preparation of construction plans and specifications, bid packages, and regulatory permitting. Coordinated civil surveys and provided landowner and right-of-way (ROW) assistance for eight HCA repairs to a 14-inch-diameter crude oil pipeline within brackish marsh habitat.

Project Manager: *ExxonMobil Pipeline Company, Grand Isle Outfall Project, Jefferson Parish, Louisiana.*
Responsibilities: Managed and conducted regulatory permitting, pipeline crossing and encroachment agreements, and environmental inspections associated with the construction of an 18-inch-diameter high density polyethylene pipeline commencing at ExxonMobil Pipeline Company's Grand Isle Station and terminating at ExxonMobil Production Company's Grand Isle Block 19 platform in the Gulf of Mexico. Liaison assistance provided with the OCM and Bureau of Ocean Energy Management, Regulation, and Enforcement resulting in the approval of various offshore pipeline crossing methods at a cost savings of approximately \$3.3 million.

Project Manager: *Shell Midstream Partners, LP, Zydeco Pipeline Project, Lafourche, St. James, and Terrebonne Parishes, Louisiana.* **Responsibilities:** Managed ecological and cultural surveys and provided regulatory and liaison assistance for an approximate 37-mile crude oil pipeline from Shell's Houma Terminal to their St. James facility to accommodate increased capacity demands.

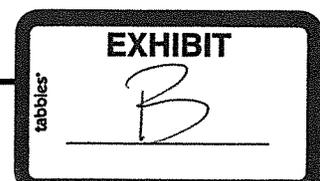
Project Manager: *Dixie Pipeline Company, Ihagee Creek Stream Restoration Project, Russell County, Alabama.* **Responsibilities:** Managed stream restoration design, ecological, cultural, and mussel surveys, regulatory permitting, and post-construction monitoring for the relocation of approximately 226 linear feet of Ihagee Creek along Dixie Pipeline Company's Spurline Opelika-Alma ROW.

Project Manager: *PBF Energy, Inc., Lake Jean Louis Robin Pipeline Lowering Project, Plaquemines Parish, Louisiana.* **Responsibilities:** Managed and provided regulatory agency permitting and oyster resource assessments for the lowering of a 14-inch-diameter crude oil pipeline within Lake Jean Louis Robin in Plaquemines Parish, Louisiana. Federal, state, and local resource agencies involved with the project included: Plaquemines Parish Government, National Marine Fisheries Service (NMFS), USACE, OCM, and LDWF.

Project Manager: *ExxonMobil Pipeline Company, Violet Canal Bulkhead Project, St. Bernard Parish, Louisiana.* **Responsibilities:** Managed project design and regulatory permitting and provided construction oversight for two bulkheads installed to prevent erosion to tidally influenced marsh along ExxonMobil Pipeline Company, American Midstream, and Enbridge Pipelines (Louisiana Intrastate Liquids) rights-of-way. Natural and Scenic Rivers System permitting and liaison assistance provided.

Project Manager: *Dixie Pipeline Company, 10-Inch Pipeline Lowering Project, Lamar County, Georgia.* **Responsibilities:** Managed and provided regulatory agency permitting for the lowering of an exposed 10-inch-diameter propane pipeline along Dixie Pipeline Company's Mont Belvieu-Raleigh ROW at the crossing of Potato Creek near Milner, Georgia.

Project Manager: *PBF Energy, Inc., Chalmette Loop Repair Project, St. Bernard Parish, Louisiana.* **Responsibilities:** Managed and provided ecological surveys, regulatory permitting, and liaison assistance for six proposed anomaly repairs to a 14-inch-diameter crude oil pipeline at the crossing of the Chalmette Loop levee in St. Bernard Parish, Louisiana. Federal, state, and local resource agencies involved with the project included: St. Bernard Parish Council and Coastal Zone Advisory Committee, Lake Borgne Basin Levee District, St. Bernard Port, Harbor, and Terminal District, OCM, LDWF, LADOTD, CPRA, and USACE, Surveillance and Enforcement, Engineering, Regulatory, and Operations Divisions.



Project Manager: Enterprise Products Company, Pipeline Exposure Emergency Authorizations, Perry County, Mississippi and Marlboro County, South Carolina. Responsibilities: Managed and coordinated regulatory emergency authorizations with the USACE Mobile and Charleston Districts for the temporary stabilization of two exposed 8-inch-diameter pipelines in Mississippi and South Carolina.

Project Manager: ExxonMobil Pipeline Company, Larose to Manilla Junction HCA Restoration Project, Jefferson Parish, Louisiana. Responsibilities: Provided OCM and USACE after-the-fact permitting for approximately 2,000 feet of unauthorized impacts to brackish marsh as a result of off-ROW tracking activities. Prepared agency approved restoration plan, coordinated procurement of restoration materials, and provided oversight during restoration efforts.

Project Manager: The Dow Chemical Company, Cayuse Pipeline Fuel Replacement Project, St. Martin Parish, Louisiana. Managed ecological surveys and technical reporting for the proposed replacement of approximately 0.4-mile of a 16-inch-diameter fuel gas pipeline beneath the Atchafalaya River in St. Martin Parish, Louisiana.

Project Manager: PBF Energy, Inc., Collins Pipeline Anomaly Repair, Orleans Parish, Louisiana. Responsibilities: Managed and provided regulatory agency permitting and ROW access agreement for an anomaly repair between the Lake Pontchartrain Hurricane Protection levee and Union Pacific railroad for a 16-inch products pipeline. Federal, state, and local resource agencies involved with the project included: Orleans Parish Government, Orleans Levee District, U.S. Fish and Wildlife Service, OCM, LADOTD, CPRA, and USACE, Surveillance and Enforcement, Engineering, Regulatory, and Operations Divisions.

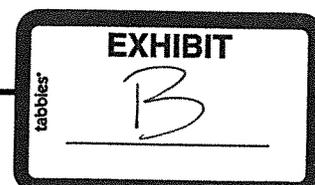
Regulatory Specialist: ExxonMobil Pipeline Company, Produced Waters Pipeline Abandonment, Jefferson Parish, Louisiana. Responsibilities: Provided liaison assistance and coordinated the execution of a Cooperative Endeavor Agreement for Temporary In Place Storage of an Out of Service Pipeline between the State of Louisiana and ExxonMobil Pipeline Company resulting in a cost savings of approximately \$5.6 million.

Regulatory Specialist: Collins Pipeline Company, West Pearl River HDD Project, St. Tammany Parish, Louisiana. Responsibilities: Prepared Pre-Construction Notification, National Wildlife Refuge Special Use Permit, and LDWF Natural and Scenic Rivers System applications for an approximate 5,500-foot horizontal directional drill as a result of the exposure of a 16-inch-diameter pipeline from the scouring and encroachment of the West Pearl River.

Regulatory Specialist: Gulf South Pipeline Company, LP, Index 287 Emergency Repairs and After-the-Fact Permitting, St. Bernard Parish, Louisiana. Responsibilities: Preparation of after-the-fact permits with the OCM and Lake Borgne Basin Levee District for emergency repairs to Gulf South's Index 287 pipeline in Chalmette, Louisiana.

Lead Biologist/Regulatory Specialist: Cheniere Creole Trail Pipeline, L.P. TETCO Lateral, Beauregard Parish, Louisiana. Responsibilities: Conducted wetland delineation, threatened and endangered species surveys, and regulatory permitting for a proposed 2-mile re-route and associated compressor station along Segment 3 of Cheniere's Creole Trail Pipeline.

Lead Biologist/Regulatory Specialist: Arkel International, Inc., Benzene Pipeline Reroute, West Baton Rouge and Iberville Parishes, Louisiana. Responsibilities: Conducted wetland delineation, threatened and endangered species surveys, and regulatory permitting for a proposed 6-mile benzene pipeline reroute in Iberville Parish, Louisiana.



Lead Biologist/Regulatory Specialist: *Cheniere Energy, Inc., Goldsmith Re-Route, Calcasieu Parish, Louisiana.* **Responsibilities:** Conducted wetland delineation, threatened and endangered species surveys, and regulatory permitting for a proposed 3-mile re-route along Segment 3 of Cheniere's Creole Trail Pipeline Project. Percentile based delineation conducted due to presence of pimple mound topography.

Lead Biologist/Regulatory Specialist: *MOEM Pipeline, LLC, Chalmette Meadows Anomaly Repairs, St. Bernard Parish, Louisiana.* **Responsibilities:** Conducted regulatory permitting and provided construction oversight and liaison assistance to landowner representative and regulatory agencies during pipeline repairs to MOEM's 14-inch Empire to Chalmette crude oil pipeline in Chalmette, Louisiana.

Lead Biologist/Regulatory Specialist: *Gulf South Pipeline Company, LP, Index 266 Loggy Bayou Replacement Project, Red River Parish, Louisiana.* **Responsibilities:** Conducted wetland delineation, threatened and endangered species surveys, and regulatory permitting for a proposed horizontal directional drill to replace three existing natural gas pipelines with a 24-inch-diameter pipeline beneath Loggy Bayou.

Lead Biologist: *Creole Trail Pipeline, L.P., Five-Mile Segment 3B Reroutes, Cheniere Creole Trail Pipeline, Jefferson Davis and Acadia Parishes, Louisiana.* **Responsibilities:** Conducted wetland delineation and threatened and endangered species surveys along approximately five miles of pipeline reroutes associated with Cheniere's Creole Trail Pipeline Project.

Lead Biologist: *Collins Pipeline Company, Chalmette Meadows Anomaly Repairs, St. Bernard Parish, Louisiana.* **Responsibilities:** Provided construction oversight and liaison assistance to landowner representative and regulatory agencies during pipeline repairs to crude oil pipeline within brackish marsh.

Lead Biologist: *Shell Pipeline Company LP, Ho Ho Reversal Project, Texas and Louisiana.* **Responsibilities:** Conducted wetland delineations and threatened and endangered species surveys for numerous valve sites and anomaly repairs associated with the reversal of crude oil along Shell's Ho Ho Pipeline.

Wetland Biologist/Regulatory Specialist: *Tennessee Gas Pipeline Company, Anomaly Dig Site Assessments, DeSoto and Natchitoches Parishes, Louisiana.* **Responsibilities:** Conducted wetland delineations, threatened and endangered species surveys, and regulatory permitting for three proposed maintenance sites along Tennessee Gas Pipeline Company's existing pipeline rights-of-way.

Wetland Biologist/Regulatory Specialist: *Gulf South Pipeline Company, LP, Index 387 Biological Assessments, Covington and Forrest Counties, Mississippi.* **Responsibilities:** Conducted wetland delineations, threatened and endangered species surveys, and regulatory permitting for eight maintenance sites along Gulf South's Index 387 pipeline ROW.

Wetland Biologist: *Energy Transfer Company, Mariner South Pipeline Project, Jefferson, Liberty, and Harris Counties, Texas.* **Responsibilities:** Conducted wetland delineation and threatened and endangered species surveys for two 16-inch-diameter laterals totaling approximately 28 miles which tied into Sunoco's existing MVB-70 pipeline and ultimately connected Sunoco's Nederland Terminal and Lone Star NGL Refinery Services, LLC's facility in Mont Belvieu, Texas.

Wetland Biologist: *Energy Transfer Company, Targa Tract, Chambers County, Texas.* **Responsibilities:** Conducted wetland delineation and threatened and endangered species surveys on an approximate 66-acre tract proposed to be utilized as a construction laydown yard to support a pipeline project near Mont Belvieu, Texas.

Oil & Gas Exploration, Production, and Storage

Project Manager: *Pennington Oil and Gas Interests, LLC, Lichtenberg et. al Wells, Pointe Coupee Parish, Louisiana.* **Responsibilities:** Conducted wetland delineations, black bear habitat surveys, and provided regulatory permitting for three proposed oil and natural gas wells and supporting access roads.

Project Manager: *Tensas Delta Exploration Co., LLC, Tract 1 – TDEC 9 No. 1 Well, Catahoula Parish, Louisiana.* **Responsibilities:** Conducted wetland delineation, threatened and endangered species surveys, and provided regulatory permitting for a proposed well pad and supporting access road installed to support the exploration of hydrocarbons at the TDEC 9 No. 1 Well.

Wetland Biologist: *NOLA Oil Terminal, LLC, 152-Acre Myrtle Grove Tract, Plaquemines Parish, Louisiana.* Conducted wetland delineation and threatened and endangered species surveys on an approximate 152-acre tract adjacent to the Mississippi River for a proposed crude oil and liquids bulk storage and transfer terminal.

Ecological and Biological Monitoring

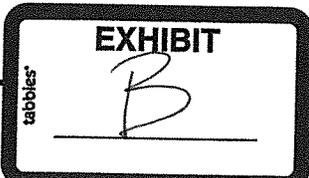
Project Manager: *PennTex North Louisiana, LLC, Mt. Olive Gas Plant Groundwater Use Impact Study, Lincoln Parish, Louisiana.* **Responsibilities:** Managed preparation of Groundwater Use Impact Study for PennTex's Mt. Olive Gas Plant in response to a Conservation Order issued by the Louisiana Department of Natural Resources (LDNR) regarding the installation of two water wells that were deemed to potentially affect water levels and the sustainability of the Sparta Aquifer. The Groundwater Use Impact Study addressed the proposed maximum drawdown, water level decline and potential well interference issues, a water level monitoring program, and a means to mitigate any short and/or long term adverse impacts. The study also included periodic water level and use reporting and provided details of all efforts to secure alternative sources of water for the plant.

Project Manager: *Energy Transfer Company, Tiger and Fayetteville Express Vegetation Monitoring, Multiple Parishes and Counties, Louisiana, Texas, Arkansas, and Mississippi.* **Responsibilities:** Managed biological surveys and technical report preparation for vegetation re-establishment assessments conducted along ETC's Tiger and Fayetteville Express pipelines as per FERC regulatory requirements.

Lead Biologist: *Cheniere Energy Inc., Project Specific Mitigation Monitoring (Areas C, D, and F), Cameron Parish, Louisiana.* **Responsibilities:** Conducted evaluation and monitoring of project-specific mitigation sites established as a result of unavoidable wetland impacts associated with the construction of Cheniere Energy, Inc.'s Sabine Pass Terminal. Line intercept and quadrat methodologies were used in the assessment of vegetation biomass, percent cover, species composition and diversity, and habitat vitality.

Lead Biologist: *Cheniere Energy, Inc., Post-Construction Wetland Assessments, Calcasieu and Cameron Parishes, Louisiana.* **Responsibilities:** Conducted post-construction evaluation and documentation of the re-establishment of jurisdictional waters of the U.S. along Cheniere's Sabine Pass (Segment 1, 2, and 3A) and Creole Trail Pipeline Projects.

Project Manager: *ExxonMobil Pipeline Company, Empire to Larose HCA Restoration Project, Jefferson Parish, Louisiana.* **Responsibilities:** Managed and conducted one-year post-restoration biological monitoring and technical report preparation for six restoration sites along ExxonMobil Pipeline Company's 16-inch Manilla Junction to Little Lake Junction crude oil pipeline near Bay Dosgris, Jefferson Parish, Louisiana.



Lead Biologist: Louisiana Department of Natural Resources, Cheniers and Natural Ridges Study, Contract No. 2533-08-02, Cameron, St. Tammany, and Vermillion Parishes, Louisiana. Responsibilities: Conducted evaluation and assessments of wildlife diversity, permitted activities, hydrological and geological data, and historical aerial photography to assist the LDNR in its evaluation of identifying uses on cheniers and natural ridges of coastal Louisiana as a state concern.

Water Quality

Project Manager: EXCO Resources, Water Quality Compliance Program, Texas and Louisiana. Responsibilities: Prepared a Water Quality Compliance Plan and Procedure to assist EXCO in the identification of compliance and permitting requirements including the training of employees and third-party contractors within their Texas and Louisiana areas of operation.

Project Manager: ExxonMobil Pipeline Company, Hydrostatic Test Compliance Assistance, Jefferson Parish, Louisiana. Responsibilities: Conducted hydrostatic test wastewater sampling and regulatory coordination of discharges associated with the 18-Inch Grand Isle Outfall Pipeline Project.

Project Manager: PennTex North Louisiana, LLC, Hydrostatic Test Compliance Assistance, Bienville, Claiborne, and Lincoln Parishes, Louisiana. Responsibilities: Conducted hydrostatic test wastewater sampling and regulatory coordination of discharges during construction phases of two cryogenic plants and a natural gas and NGL gathering system consisting of approximately 90 miles of pipeline assets.

Audit and Claim Assistance

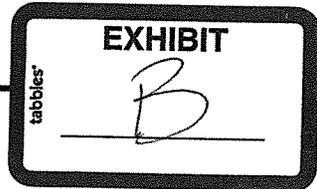
Project Manager: ExxonMobil Pipeline Company, Grand Isle Outfall Pipeline Project, Jefferson Parish, Louisiana. Responsibilities: Provided claims assistance and coordination associated with damages incurred to local shrimpers' fishing equipment and ancillary markets as a result of a pipeline's exposure.

Project Manager: Capital One Bank, Aromatix Pipeline Project, Iberville and West Baton Rouge Parishes, Louisiana. Responsibilities: Contracted as lead auditor for a principal lending company that required the monitoring of construction progress and procurement of materials for an 8-inch-diameter benzene pipeline project.

Project Manager: Capital One Bank, Yara North America Waterside Assets Docking Facility, St. James Parish, Louisiana. Responsibilities: Contracted as lead auditor for a principal lending company that required the monitoring of construction progress and procurement of materials for a barge docking facility along the Mississippi River near Donaldsonville, Louisiana.

TRAINING / AFFILIATIONS

- 40-Hour U.S. Army Corps of Engineers Wetland Delineation and Management (Reg IV) Training
- 8-Hour U.S. Army Corps of Engineers Wetland Delineation Regional Supplement Training
- Transportation Worker Identification Credential (TWIC)
- Southern Gas Association Environmental Permitting and Construction Compliance Workshop
- American Red Cross CPR/Basic First Aid/AED/BBP Training
- USCG Vessel Operator Certification
- OSHA 10
- Defensive Driving
- Job Safety Analysis Training
- Biological Hazards Training
- ATV/UTV Safety Training



PUBLICATIONS / PRESENTATIONS

Blazier, M.A., Scott, D.A., Coleman, R. 2015. Mid-rotation silviculture timing influences nitrogen mineralization of loblolly pine plantations in the mid-south USA. *Forests* 6(4): 1061-1082.

Blazier, M.A., Scott, D.A., Coleman, R., Beine, R. 2007. Timing of mid-rotation silvicultural operations and soil texture impact soil nitrogen and carbon dynamics. ASA-CSSA-SSSA Annual Meeting Abstracts (CD-ROM). 4-8 November 2007. New Orleans, LA. ASA-CSSA-SSSA, Madison, WI.

Blazier, M.A., Scott, D.A., Coleman, R., Beine, R. 2007. Nitrogen dynamics in response to mid-rotation vegetation suppression across a gradient of soil conditions in Louisiana. *Proceedings of the Southern Weed Science Society Annual Meeting*. 23-25 January 2006. San Antonio, TX. 59:240.

Blazier, M.A., R. Coleman, and D.A. Scott. 2006. Soil N dynamics in intensively managed mid-rotation loblolly pine plantations. *Proceedings of the Soil Science Society of America Annual Conference*. Salt Lake City, UT.

