
William Lea
Associate

Mississippi State University
B.S. Agricultural Engineering
Clemson University - M. Agriculture

QUALIFICATIONS

William has 26 years of consulting and managerial experience in various industries, including all facets of poultry and red meat processing, the manufacture of charcoal briquettes, and the manufacture of agricultural herbicides and fungicides. He has held various positions of responsibility ranging from project engineer, to project manager, to maintenance management, to production management, to management of raw material buying, and finished product shipping and warehousing. His primary responsibility for Vaughn, Coltrane, Pharr and Associates over the past 8 years has been for the overall electrical design with emphasis in the area process and electrical controls.

EXPERIENCE OVERVIEW

VAUGHN, COLTRANE, PHARR & ASSOCIATES, (Since 1995). Design Engineer, Project Engineer/Manager. Responsible for concept layouts, process, mechanical, and electrical design and process and electrical control design for major food and beverage projects. Projects have included:

Fieldale Farms, Gainesville, GA. Greenfield site. – Responsible for overall power, lighting and process control requirements for a 3 line 150,000 sq. ft. cook facility.

Wayne Farms, Decatur, AL. Greenfield site. – Responsible for overall power, lighting and process control requirements for an eight line 300,000 sq. ft. cook facility. Four lines and 200,000 sq. ft. have been completed to date.

Gold Kist, Inc., Live Oak, FL. Plant Renovation. – Responsible for overall power, lighting and process control requirements for a 100,000 sq. ft. addition to a tray pack facility. Work included a 30,000 sq. ft. office expansion, 50,000 sq. ft. second process addition and an ASRS storage cooler.

Simmons Pet Food, Siloam Springs, AR. Petfood plant renovation and expansion. – Responsible for overall power, lighting and

process control requirements for a 120,000 sq. ft. facility.

Gold Kist, Inc., Sumter, SC., Cook plant renovation. – Responsible for overall power, lighting and process control requirements for a 2 line cook facility.

Tyson Foods, Multiple locations, evisceration line replacements – Responsible for overall power, lighting and process control requirements for demolition of existing lines and installation of Meyn high speed lines.

Tyson Foods, Monroe, NC. MEP type work. 3 sequential plant renovations of the cut up debone area in preparation for Net Weight System Installation – Responsible for overall power, lighting and process control requirements to fully integrate the net weight equipment into an operational process. Work included the total renovation of the second process portion of the facility.

Tyson Foods, Noel, MO. MEP type work, Net Weight System Installation – Responsible for overall power, lighting and process control requirements to fully integrate the net weight equipment into an operational process. Work included total renovation of the second process area.

Pilgrim's Pride, Nacogdoches, TX. Project Manager for a 150,000 sq. ft. renovation of a cutup

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and cook plant addition. Responsible for overall project management and power, lighting and process control design.

LaM Distribution, Gaston, SC. Freezer power, lighting, HVAC, NH3 refrigeration system controls, fire alarm and security systems.

Pilgrim's Pride, Nacogdoches, TX. Process plant expansion – power, lighting and process controls for receiving, killing, evisceration and bird chilling.

Pilgrim's Pride, Center, TX. New hatchery – Project Manager and responsible for power, lighting and stand-by power generation for 48-machine hatchery.

ConAgra Frozen Foods, Batesville, AR. Cooler addition – power, lighting, and HVAC/NH3 refrigeration controls.

United Distributors, Smyrna, GA. Chosen to design and oversee the installation of a new facilities case pick / loadout operation including a new conceptual individual bottle pick, case pack, storage and retrieval system designed to increase throughput and reduce hours of operation.

Pilgrim's Pride, Nacogdoches, TX. Refrigeration electrical renovation power and controls for the renovated NH3 refrigeration system.

General Mills, Covington, GA. Process layout and installation of new cereal packing line. Provided process equipment installation drawings and design of a new pneumatic sizing/sorting system.

OTHER EXPERIENCE

GOLDEN POLTRY COMPANY, INC., Douglas, GA. Rework 50,000 SF roof, revise plant site to conform to storm water

compliance, managed 50% complex expansion, designed and installed PLC-based process control and monitoring system, hot water production and storage renovation, extensive work on scalding and other process controls, reworked employee facilities, revised second processing and pack-out area, revised feed mill receiving area and controls, installed concrete silos and associated conveying systems, raised freezer ceiling.

TERRA INTERNATIONAL, INC., Blytheville, AR. Managed the start-up of a new dry flowable fungicide facility. Designed and installed boiler and crystalline melt/mix system, layout and install liquid bottling line. Performed the duties of Production manager for 3 dry flowable herbicide/fungicide production facilities and a liquid bottling facility

THE KINGSFORD COMPANY, Springfield, OR. Served as Production manager for a charcoal briquetting facility. Renovated the entire electrical system and installed automated process controls. Designed and installed numerous automated weigh feeders and tank measuring systems for inventory control. Installed several pneumatic conveyance systems to improve productivity and environmental concerns. Developed several automated control systems including the mathematical algorithms for controlling the processes. Was instrumental in the first production run of Kingsford with Mesquite.

The Kingsford Company, Dothan, AL. Renovated a hot-gas dust collection system, installed an oil mist lubrication system, replaced a 200-ton tank farm facility with a 600-ton facility, renovated a packaging line, and replaced a retort control system with a PLC-based system.

Gold Kist, Inc., Carrollton, GA. Renovated second processing area, Renovated wastewater system and HVAC system.