

Summary

Mr. Crisp has (35+) thirty-five plus years of diversified experience in project, construction management, field /project engineering and the supervision of system designs from conceptual design/planning to final process design. These managerial responsibilities range from the pre-construction and the construction phases of projects from inception through final commissioning and start-up. Industries are for pulp & paper, industrial process, bio-diesel production, pharmaceutical, biotech, food & beverage, commercial, automotive and governmental projects.

Mr. Crisp has in excess of 870 CRs of Continuing Education Classes, Seminars and Webinars. Technical and Management Training, Building Management Systems, cGMP Manufacturing Practices, Building Codes, Project and Construction Management, Business Grammar and Writing, Safety Training, LEED, Risk and Quality Management. Endeavors are in acquiring the OSHA 30 and a PMI certification for a PMP.

Distinguishing Qualifications

- 1991 - ASPE – Charter Member – American Society of Plumbing Engineers
- 1995-96 and 1996/97 – President of Palmetto State Chapter of ASPE-Chartered New Columbia Chapter
- 1998 to 2006 – Serving on the Society's Membership Committee
- ASHRAE – American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
- OSHA 10 – June 1999, 2011 & February 2018 -- Occupational Safety and Health Training Course in Construction Safety and Health
- 1974 - Mechanical Engineering –ASME- Greenville Technical College - Greenville, South Carolina
- 1978 – Broker and Realtor Licenses for South Carolina - Light Industrial, Commercial and Residential.
- 1992 – (CIPE)(CPD) International Certification in Plumbing Engineering
- Fluor Daniel - Most Valuable Person Award - Biogen, Inc. BPMF Project
- Merck and Co. - Stonewall Safety Award -No Lost Time Injury for 591.6 k Total Man Hours

Relevant Experience

MHE Coordinator, Blue Rock Construction, Inc
Amazon – Amberjack JFK8 Project - Staten Island, NY
2.4m Sq Ft Amazon Fulfillment Centre
Interface and coordination of Amazon's Material Handling Equipment Contractors with BRCI for the Core and TI buildouts. Responsible for the coordination and supervision of the BMS, Site Security and Telecom contractor's systems installation and initiated start-up/commissioning. Coordination of the mechanical and associated electrical systems for commissioning agent to complete systems close-out.

PM / Owner's Representative - Systems Set to Work/Start Up Coordinator, Amec Foster Wheeler
Baxter Bioscience – Program Covington
Responsible for the coordination, the technical scope and the

implementation of Utility, HVAC and MEP Systems Set to Work/Start Up activities. Assist with the development of SOPs between the CM, Baxter, Engineering and AE Team, assist in coordination of utility activation from CUB/ Spine, coordinate all BAS and PCS required interface and participate in formal Set to Work/Start Up activities within the 180,000 SF pharmaceutical manufacturing facility.

Client Liaison – MEP Construction Manager, CRBB Biogen Idec – Research Triangle Park - P7 Purification Suite and P2 Viral Segregation Projects

Building 25 - Build-out support basis are for the 15,000L & 3,750L scale Gerber "clipped" process and the secondary 3,750L scale BIIB platform products. This process consists of chromatography, viral filtration and UF/DF operations. Modifications and equipment installation are limited to the Spring 2015 Shut Down related activities with the intent that final fit ups can be completed without impact to ongoing operations during a future, non-shutdown period.

Client Liaison/Senior Project Manager, AZ Corporation Chobani Greek Yogurt. Producer and Manufacturing of Greek Yogurt. South Edmeston Facility, New Berlin, New York.
New installation for (3) Filler Rooms, (1) Fruit Room; Packaging Line with Conveyors; Chiller Tunnel Upgrades; Maintenance Shop, Lab, Offices and Slewing Office Additions; Ammonia Systems Consolidation and Waste Disposal/Extruder Project Development. Inclusive of all areas and divisions for the Trojan Horse, Epeius and Odyssey Projects. Daily Interface with the GPM, Plant Mgr and COO.

Client Liaison/PCM, EAD Constructors, Inc. Cargill Inc. Produces and markets food, agricultural, financial, and industrial products and services.
+/- \$43.4 million – Blair, Ne-Clearwater Polyols Project Expansion – Cargill's Zerose™ Erythritol Product Line Expansion (17mt/yr to 31.5 mt/yr) (Truvia) Management inclusive of all areas and divisions for the Construction Activities of the Clearwater Project.

Client Liaison/Project Manager Services, Merial Limited Merial Limited – Animal Health Company - Pharmaceuticals. Project execution plans, cost and schedules; construction and engineering evaluations; engineering/design specifications; construction schedules and budgets.
Athens Site - Sept 2011 Bldg 1 and 4 Shut Down – Serving as Projects Coordinator

- + \$0.2m Athens QC Lab Expansion Project
- + \$1.1m BSL2 Research Facility Expansion – Colbert Research Center
- + \$2.1 m BSL2/3 Research Development Laboratory / Phase II Colbert Research Center
- + \$6.7m Analytical Research Laboratory Expansion – North Brunswick, NJ
- + \$3.6m Greenfield - Bldg No 35 – Colbert Research Center
- + \$1.5m Greenfield - SPF Hatch and Hold Facility – Colbert Research Center
- + \$1.2m Waste Water Treatment Upgrade – Colbert Research Center
- + \$0.8m Central Services Bldg – Boiler, Chiller and CT Upgrade

Resume

William Wade Crisp, CIPE, CPD

+ \$0.7m Clean Steam Piping System – Piping System to Labs and Validation
+ \$15m Filling Freeze Dryer/3CC Capping – Project Punch List and Closeout
+ \$5.3m Greenfield - BSL-2/3 Research Development Laboratory / Phase I

Project Manager, GS Tech Services

Synsil Project, Chester, SC

\$50million Silica Processing Plant. Responsible for the Arch, Plumbing and Facility Features.

Division Manager for Government Projects,

GS Tech Services

United States Department of State, Charleston, SC

Finance and Passport Facilities, Charleston, South Carolina and the Kentucky Consular Center, Goldbug, Kentucky. Five buildings, totaling over 1.2 million square feet. Management and Administrative of 28 Mechanical, Electrical, and Custodial Technicians on two contracts totaling over \$2 Million Annual.

Client Liaison - PM, CM, PDL, B.A.S.E.C

University, Pharmaceutical and Chemical Mfg

Clients Project Execution plans, cost and schedules; construction and engineering contract evaluations; engineering/design specifications; construction schedules and budgets; and validation protocols. \$114 million – IQ, OQ, PQ, Design Reviews – Research and Animal Food Facility
Project Manager - Columbia Nitrogen - \$43 Million
Expansion Glycol Service Line Expansion.

Regional Manager, Quality Plus Services Inc.

Business Development, Engineering, Construction Management and Mechanical Services

Client Liaison/Field and Design-Project Engineer/Project Manager, Kvaerner Process

Merck & Company, Inc., Albany, GA

Pharm-MACT Project – The BOD and Detail Design Enhancements of the Site's Chemical Sewer Systems.

Merck & Company, Inc., Elkton, VA

Arcoxia – MK-663 –Received *Merck's Stonewall Safety Award* - *No Lost Time Injury* for 591.6k man hours
Installation of pharmaceutical manufacturing equipment and chiller upgrade project. These projects were performed in an active 3 story manufacturing facility. Packaging and Antibiotics Lines and inclusive of the entire site computer system.

Building 5 Modernization and Pharmaceutical

Hygienic Upgrade

Complete upgrade of pharmaceutical building 5's egress and building utilization

Merck & Company, Inc., West Point, PA

Bldg. 69-MK-869 and Modernization, Bldg. 29 – Lyo Expansion Project, Rotavirus, S/W Chiller-Upgrade,

Argentina, South America – Green Field Lab, Wilson, NC Site – Warehouse Project

Merck & Company, Inc., Summerset, NJ --- Central Engineering Office

MK 826 Project – Warehouse/Tank Farm - Danville, PA

Project Lead-Plumbing and Utility Services, Fluor Daniel

DuPont – Corian, Buffalo, NY

Yerkes Research and Development Lab Expansion, R&D Lab and Semi-Works Areas.

Project HVAC Designer, Fluor Daniel

Montel, USA, Inc.

E-Line Upgrade Project, Bayport, TX

Project Piping Designer, Fluor Daniel

Human Genome Sciences, Inc., John Hopkins Medical

Research, Rockville, MA

Pilot Production Facility.

Engineering Lead – Plbg/Piping and Mech Systems, Fluor Daniel

Dunkin' Donuts – Hartford CPL Co-Op, Hartford, CT Renovations
/Additions to an existing production facility.

Field Project Engineer and Site Demobilization, Fluor Daniel

Best Foods Baking Group, Greenwich, CT

Installation of three new English muffin lines in an active baking facility.

Project Plumbing Lead, Fluor Daniel

Merck & Company, Inc., West Point, PA

BOD – Biologics Pilot Plant Project for Pilot Plant and Labs with Offices.

Mechanical Engineering and Field Support, Fluor Daniel

Roache Carolina, Inc., Florence, SC

Resolve engineering conflicts during construction of a \$250 million Biologics/Pharm Project Mfg. Facility.

Plumbing Lead – Principle Designer, Fluor Daniel

Most Valuable Person Award

Biogen, Inc. BPFM Project Research Triangle Park, NC Biologics Product Manufacturing Facility Phase I. Pilot plant and labs w/offices.