



Gary Birkmaier

Const. Project Manager/Superintendent, Power

Gary Birkmaier has over 39 years in the power industry in the project management and construction of new coal-fired power plants and emissions upgrade projects at existing coal-fired units.

Mr. Birkmaier's power generation experience includes positions as Construction Site Manager, Boiler Superintendent, Technical Consultant, Construction Project Manager, Construction Project Engineer, and Field Engineer.

Specific Experience (Recent Projects)

Site Construction Manager- TEC

Pawnee Generating Station, Brush, CO

Responsible for the installation of three (3) replacement HP feedwater heaters at an existing coal-fired power plant.

Site Construction Coordinator- TEC

Comanche Unit No. 1, Pueblo, CO

Responsible for the installation coordination of a replacement HP feedwater heater at an existing coal-fired power plant.

Boiler Superintendent- TEC

Comanche Unit No. 3, Pueblo, CO

Owner's Boiler Superintendent responsible for management of the boiler contract, oversight of the OEM's work, progress reporting, QA/QC oversight, coordination of BOP Contractors work in the boiler building, running construction meetings and supporting commissioning activities..

Various Positions- The Babcock & Wilcox Company

Construction Project Engineer on the Xcel Energy coal-fired Comanche Units 1, 2 and 3 AQCS projects, Pueblo, Colorado. Project consisted of seven (7) Spray Dryer Absorbers, Reagent Handling systems, two (2) Pulse Jet Fabric Filter Bag Houses, Fluework/Dampers, (2) Axial Fans and structural steel erection.

Site Technical Consultant, B&W on-site Technical Consultant on Mid-American Energy Unit No. 4, Council Bluffs, Iowa. Technical support to Hitachi America, Ltd during the installation of an AQCS Project which included (3) Spray Dryer Absorbers, (2) Pulse Jet Fabric Filter bag houses, Reagent Preparation systems and Fluework/Dampers for a 790 MW Unit.

Construction Manager in the Denver Regional Office, providing management support for various power plant outages, AQCS projects and new power plant proposals.

Proposal Engineer assisting the Denver Area Construction Manager with plant site walk downs, customer/vendor interaction and proposal preparations for power plant outage related work and capital improvements.

Field Engineer/Document Control Manager at the Xcel Energy M.E.R.P. Projects at Valmont No. 5, Boulder, Colorado and Cherokee Units 3 & 4, Denver, Colorado on three (3) Spray Dryer Absorber (SDA) and Reagent Preparation Handling projects.

Lead Site Project Engineer at the Kansas City Power & Light Co., Hawthorn Unit No. 5 Power Plant. Responsible for all phases of onsite engineering problem solving during the world record rebuild of a 550 MW coal fired unit. B&W was the EPC supplier for the total project, from boiler to stack including all ash handling, underground piping and foundation work.

Nuclear Maintenance Planner/Field Engineer, worked with Framatome, Inc. at the Florida Power Corporation's Crystal River Nuclear Plant 800 MW. Installed a Diesel Driven Emergency Feedwater Pump Project. Developed various mechanical and piping Work Packages for the Project.

Subcontract Manager at the Public Service Company of New Mexico (PSNM), Waterflow, New Mexico. On a Limestone Conversion Project for four (4) 550 MW Units. Responsible for supervising the Civil, Electrical, HVAC, Siding, Insulation and Lagging subcontractors.

Construction Project Manager at the Barberton, Ohio (Home Office). Provided construction assistance for various International Flue Gas Desulfurization projects.

Construction Technical Consultant at the Taiwan Power Company (TPC), Taichung, Taiwan Power Plant. Supplied technical support on four (4) 500MW Flue Gas Desulfurization Units. Provided interface between the project and the home office in Ohio and assisted in problem resolution.

Construction Project Manager at the Public Service Electric & Gas (PSE&G), Hancock Bridge, New Jersey Station. Supervised installation of new burner controls on two (2) package boilers for the heating plant for Salem Nuclear Station.

Construction Project Manager in Copley, Ohio (Home Office). Provided construction assistance with estimating and scheduling during the planning phase of various International Flue Gas Desulfurization Projects for the environmental equipment division. Also worked as member of the Boiler Span Reduction Team and worked on various MPS Pulverizer Maintenance Service opportunities.

Construction Project Manager at PSI Energy Gibson Generating Station, Owensville, Indiana during the initial engineering & planning phase and during the onsite construction of a Flue Gas Desulfurization Project (Two large Wet Scrubber Towers) on Unit No. 4 (800MW).

Construction Project Manager at Stone Container Corporation, Missoula, Montana. Rebuilt Unit No. 4 1,000 ton/day Recovery Boiler. Responsible for project controls, scheduling changes and Home Office/Jobsite interface.

Construction Project Manager in Copley, Ohio (Home Office). Construction support efforts during engineering and proposal work on Flue Gas Desulfurization projects at various USA locations. Developed scrubber erection techniques and schedules. Helped develop construction plans for various barge unloading of scrubber components.

Construction Project Manager at Pacific Power & Light, Jim Bridger Plant, Point of Rocks, Wyoming. Installation of Flue Gas Desulfurization (Wet Scrubbers Retrofit) equipment on Units 1, 2, and 3 (550MWs each).

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Construction Field Engineer (CFE). Responsible for engineering and technical support during all phases of construction on wet scrubber projects, Flue Gas Desulfurization projects and New Boilers listed below. This involved installation of structural steel, piping systems, large ductwork, pumps, motors and instrumentation. Other job responsibilities involved construction drawing interpretation, processing field revision work requests, dealing with contracts, specifications and performance of field dimensional inspections of on-site components. Assist Quality Control department.

- CFE on first phase of the Jim Bridger Unit No. 2 Wet Scrubber Retrofit.
- CFE at Arizona Public Service (APS), Four Corners Power Plant, Fruitland, New Mexico. Installation of two (2) large Flue Gas Desulfurization Retrofits. Jobsite responsibilities were similar to the Jim Bridger Wet Scrubber Retrofit.
- CFE/Project Superintendent at Sierra Pacific Power Co. (SPPC), North Valmy, Nevada on erection of a 250 MW Power Plant. Responsible for supervision of various labor crafts during construction of the boiler, air pre-heaters, fans, and pulverizers.
- CFE at City of Colorado Springs Utilities, Fountain, Colorado. New 200 MW coal fired power plant and associated equipment.
- CFE at Iowa Power & Light (IPL), Council Bluffs, Iowa. New 700 MW coal fired power plant and associated equipment.
- CFE at St. Joseph Power & Light, St. Joseph, Missouri. Rebuild of a 100 MW P.C. Radiant Boiler. 60% of Unit was damaged by fire.
- CFE at Commonwealth Edison, Joliet, Illinois. Rebuild of fire damaged double belt coal conveyor at the Joliet Power Plant.
- CFE at Ottertail Power Company, Big Stone City, South Dakota. New 440 MW P.C. Radiant Boiler and associated equipment.

Education/Training

Bachelor of Science Mechanical Engineering, North Dakota State University, Fargo, ND

Construction Contracting Course, San Juan Comm. College, Farmington, NM