

POWELL CONSTRUCTION COMPANY, INC.

Development, Engineering, Procurement, Project Management, Construction





Dear Customer:

Powell Construction Company, Inc. is based in Johnson City, Tennessee and has been in business since 1969. We have a substantial track record in steel erection, industrial construction, material handling, and coal preparation. Employing our own Engineering department, we have full Design/Build, EPC, and Turn-Key capabilities.

Powell's highly skilled staff of professional ironworkers, welders, pipe-fitters, and millwrights, supported by a modern fleet of cranes with capacities in excess of 300 tons, brings our customers the latest technology and superior workmanship.

Powell Construction Company believes that its employees are the company's most important assets. We are committed to the highest standards of safety and professionalism in the workplace. We believe that accident prevention is the most important phase of our business and we have set a permanent goal of zero accidents. We take a proactive approach to safety, utilizing education, on-the-job training, controlled substance testing, and consistent enforcement to achieve our goals.

In addition to continuing our pursuit of projects within the coal industry and steel erection, we are looking to further diversify and expand into other similar industries including rare earth minerals, lithium, aggregates, concrete, steel and chemical.

We have been at the forefront of Major Coal Preparation Facilities over the past twenty years. We have developed these projects from concept through final engineering including foundations, structural steel, equipment selection, equipment installation, electrical, piping and materials handling.

For over 50 years, our commitment has remained the same: we design and construct each project in the least amount of time needed and within our customer's budget. We would greatly appreciate the opportunity to introduce ourselves and further discuss our capabilities.

Our website highlights our various projects including the project in Alabama that we are currently under construction on. The project is scheduled to be completed later this year. Our website is www.powellcompanies.com.

Sincerely,

Devan Welch
President

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ENGINEERING > PROJECT MANAGEMENT > CONSTRUCTION

Engineering / Project Development

Powell Construction Company employs our own experienced engineering department with a wide range of capabilities including full concrete, steel, mechanical, and process design. In house engineering allows our team to work hand-in-hand with our customers on the front end and throughout the project to ensure the customer receives a final product of their choosing.

Our Project Development Team combines our engineering department, estimators, project management, and field management personnel. This team will assist with initial project design, equipment design, cost estimates, specifications and scheduling. Combining our Project Development Team and Engineering capabilities allows for projects to be fast-tracked to meet aggressive turn-key and EPC project schedules.

Project Management

Our Project Management team consists of our General Superintendent, Site Superintendents, Project Manager(s), Project Coordinator(s), Safety Coordinator(s), Project Engineer, and office staff. The main focus of this team is to pre-plan, value engineer, schedule, and execute the procurement and field operations of the project. The Site Superintendent leads the team's efforts in determining the sequencing of the project to provide the most efficient overall schedule. The Project Manager and Project Engineer combine to emphasize urgency of steel design, steel detailing, and fabrication to follow the project sequencing and to allow the project to meet and/or beat aggressive schedules.

Construction – Safety and Installation

The Construction Team is led by the General Superintendent, and consists of the Superintendent(s), Safety Coordinator, and Project Manager. This team is responsible for executing the project in a safe and timely manner to meet schedule requirements. The Safety Coordinator will work in tandem with the Superintendents to develop site specific safety plans and procedures to ensure compliance with all federal, local, and site policies. The General Superintendent and Superintendent will also determine the equipment needs for the project. PCC owns a fleet with a wide variety of equipment including: forklifts, onsite and road tractor trailers, scissor lifts, aerial lifts (60' up to 125'), crawler and hydraulic cranes (30 ton up to 368 ton), back-hoes, bobcats, bull dozers, welders, and generators.





Client: Warrior Met Coal, Blue Creek Development

Contract Method: Design-Build

Project Duration: ~36 months

Slope Conveyor/Structure:

Powell Construction Company performed all engineering, structural steel fabrication and erection, and mechanical installation of the slope conveyor and transfer structure. In addition, PCC installed the owner provided mechanical equipment including (4) 3750 hp drives, (2) 89" dia. drive pulleys and (1) 57" dia. snub pulley. The slope conveyor consists of all conveyor structure/trusses, foundations, chutework and mechanicals from the portal through the transfer.





Raw Coal Transfer System:

Powell Construction Company performed all engineering, structural steel fabrication and erection, and mechanical installation of owner supplied equipment. Raw coal transfer conveyor consists of the overland conveyor which transfers the coal from the slope building to the raw coal storage area.





Raw Coal Handling System (Continued):







Preparation Plant:

Powell Construction Company performed all engineering, structural steel fabrication and erection, and mechanical and electrical installation. In addition, PCC selected and procured all mechanical equipment and managed all subcontractors. The plant consists of three (3) identical 600 tph circuits based on the owner process flowsheet.





Preparation Plant (Continued):







Clean Coal Loadout Facility:

Powell Construction Company performed all engineering, structural steel fabrication and erection, and mechanical and electrical installation. In addition, PCC selected and procured all mechanical equipment and managed all subcontractors. Clean coal handling consists of truck unloading feeder, one (1) silo storage conveyor, two (2) 6,000 ton storage silos, one (1) transfer conveyor, reclaim gates and feeders under the silos, loadout conveyor, sampling system, and batch weigh loadout facility.





Clean Coal Loadout Facility (Continued):







Client: Century Mining, LLC

Contract Method: Design-Build

Project Duration: ~36 months

Slope Conveyor/Structure:

Powell Construction Company performed all engineering, structural steel fabrication and erection, and mechanical installation of the slope conveyor and transfer structure. In addition, PCC assisted the owner with procurement of all mechanical equipment and subcontractor oversight. The slope conveyor consists of all conveyor structure/trusses, foundations, chutework and mechanicals from the portal through the transfer.





Raw Coal Handling System:

Powell Construction Company performed all engineering, structural steel fabrication and erection, and mechanical installation. In addition, PCC assisted the owner with procurement of all mechanical equipment and subcontractor oversight. Raw coal handling consists of a storage conveyor, two (2) storage tubes, transfer conveyor, head houses, reclaim tunnel, reclaim conveyor, scalping screen, rotary breaker and crusher.





Preparation Plant:

Powell Construction Company performed all engineering, structural steel fabrication and erection, and mechanical installation. In addition, PCC assisted the owner with procurement of all mechanical equipment and subcontractor oversight. The plant consists of a dual circuit with rewash facility based on the owner process flowsheet.





Clean Coal Handling/Storage/Loadout Facility:

Powell Construction Company performed all engineering, structural steel fabrication and erection, and mechanical installation. In addition, PCC assisted the owner with procurement of all mechanical equipment and subcontractor oversight. Clean coal handling consists of multiple storage conveyors for met and midds products, three (3) storage tubes, two (2) transfer conveyors, head houses, two (2) reclaim tunnels, met reclaim conveyor and loadout conveyor, sampling system, analyzer and batch weigh loadout facility.





Refuse Handling:

Powell Construction Company performed all engineering, structural steel erection, and mechanical installation. In addition, PCC assisted the owner with procurement of all mechanical equipment and subcontractor oversight. Refuse handling consists of multiple overland refuse conveyors, transfer structures, and loadout bin.





Client: Arch Resources, Inc

Contract Method: Design-Build

Project Duration: ~30 months

Raw Coal Handling:

Powell Construction Company performed all engineering, partial procurement, and installation for a new raw coal handling facility at the current site. Raw coal handling consisted of a new reclaim tunnel, stacking tube, stacking conveyor, reclaim conveyor, scalping screen, rotary breaker, and crusher.





Slope Conveyor/Building Upgrade:

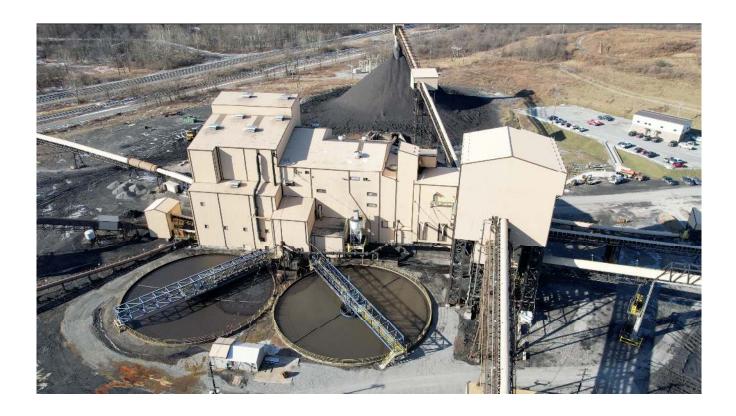
Powell Construction Company performed all engineering, fabrication, partial procurement, and installation of additions and modifications to the existing slope conveyor and the transfer building. Additions and modifications were made to accommodate the new mining conditions provided by the owner. A large portion of this project was performed while the original slope conveyor was still in operation with the final phase and tie in completed under strict schedule constraints during a mine wide outage.





Preparation Plant Additions and Upgrades:

Powell Construction Company performed all engineering, fabrication, partial procurement, and installation for plant upgrades per the Owner's modified flow sheet. Upgrades included an overall building addition, increasing the capacity of one circuit, addition of a 2nd circuit, and addition of a rewash circuit. PCC constructed the additions and upgrades while the owner maintained an operating facility. Tie-ins and additions were implemented during strategic shut-downs during the project.





Clean Coal Handling/Storage/Loadout Upgrades:

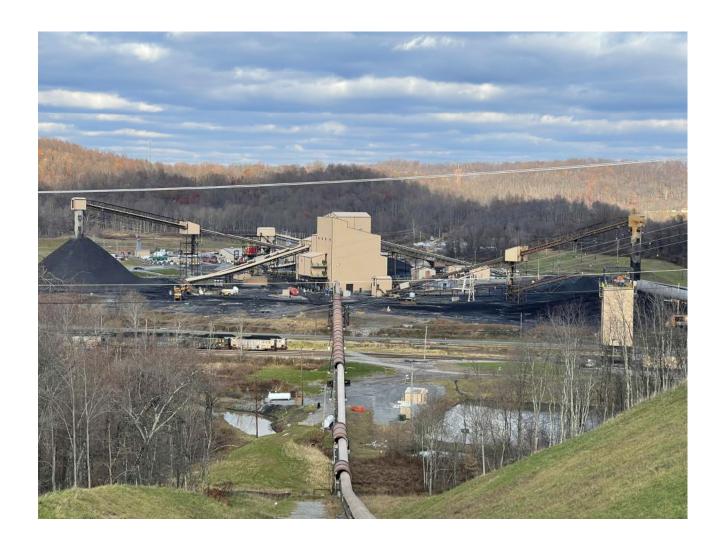
Powell Construction Company performed all engineering, fabrication, partial procurement, and installation for the clean coal system upgrades. Upgrades included modifications to the plant clean coal conveyor, modifications/additions to the clean coal transfer, upgrading the clean coal reclaim feeders, upgrade of the clean coal reclaim conveyor, modification of the existing train loadout (transformed to a transfer), addition of the clean coal loadout transfer conveyor, and addition of a train loadout facility. The train loadout facility was taken down from a different site, re-painted, transported, and re-installed at the new facility. All work was completed while the existing mine was in operation. Final tie-ins were completed during outages.





Refuse Handling Upgrades:

Powell Construction Company performed all engineering, fabrication, partial procurement, and installation for the refuse system upgrades. Upgrades/additions included modifications to plant refuse collection conveyor, new breaker refuse conveyor, relocated refuse transfer conveyor including several road/pond/creek crossings utilizing tube trusses, and new refuse transfer to stacking conveyor. PCC dis-assembled the refuse transfer conveyor from another mine site, re-painted, transported, and re-installed at the Owner's mine.





Client: Carmeuse Lime

Contract Method: Fixed Price Labor and Equipment Erection

Project Duration: ~12 months

Vertical Kiln Installation:

Powell Construction Company performed all structural steel erection and mechanical installation. The mechanical installation included the Kiln Hoppers, Skip Hoist, Plumbing, Exhaust Stacks and Dust Collectors. All engineering, foundations and electrical were not in our scope of work.





Client: Carmeuse Lime

Contract Method: Fixed Price Labor and Equipment Erection

Project Duration: ~9 months

Lime Loadout Installation:

Powell Construction Company performed all structural steel erection and mechanical installation. The mechanical installation included the Loadout Silos, Bucket Elevator, Feed Conveyor, Scalping Screen Plumbing, Collection Conveyors and Dust Collectors. All engineering, foundations and electrical were not in our scope.





Client: Carmeuse Lime

Contract Method: Fixed Price Labor and Equipment Erection

Project Duration: ~6 months

Aggregate System Installation:

Powell Construction Company performed all structural steel erection and mechanical installation. The mechanical installation included the Transfer Conveyors, Transfer Structures, Reclaim Tunnel, Reclaim Conveyor, Crushing Stations Scalping Screen, Collection Conveyors and Storage Conveyors. All engineering, foundations and electrical were not in our scope.





POWELL CONSTRUCTION COMPANY, INC.

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