WorleyParsons Capabilities
We apply our technical, innovative thinking to help customers identify, evaluate, screen, and execute strategic opportunities. We support our AQC customers’ needs from strategic development through implementation of mandated compliance.

- Flue Gas Desulfurization
- Selective Catalytic Reduction
- Activated Carbon Injection
- Dry Sorbent Injection
- Carbon Capture

Delivering Safer Emissions from Coal Assets

Over the past century, WorleyParsons has emerged as a world leader in air quality solutions for existing coal-fired generating assets. Our experience has led to a number of clean air initiatives. We continue to analyze all available Air Quality Control (AQC) technologies, which includes solving the specialty issues of mercury, acid gas, and carbon capture.

Meeting Today’s Regulations

We know precisely what it takes to develop and implement comprehensive, technologically sound, and environmentally compliant strategies and strive to deliver the best outcomes for our customers. This ensures the shortest project schedules, with the most beneficial life cycle results. We use our best-in-class automated systems to engineer, design, construction manage, and commission air quality control systems.
Experience

Rockport SCR, FGD Project
CUSTOMER: AEP
TIMEFRAME: 2011 - 2015
LOCATION: ROCKPORT, INDIANA
OFFICE: PENNSYLVANIA, USA

WorleyParsons established the Rockport project’s definition and scope for air quality control systems on a 1,300 MW unit.

We delivered the conceptual design, Project Execution Plan, and budgetary cost estimate. We are now executing the detailed design and procurement phase.

The Rockport selective catalytic reduction (SCR) and dry FGD systems, with integral pulse jet fabric filters, will reduce NOx emissions up to 90%, achieve 98% SO2 removal, and reduce emissions of other air pollutants.

Plant Scherer Units 1-4 SCR and FGD Retrofit
CUSTOMER: SOUTHERN COMPANY
TIMEFRAME: 2006 - 2011
LOCATION: GEORGIA, USA
OFFICE: PENNSYLVANIA, USA

Plant Scherer is a four unit 3,272 MW coal-fired facility. WorleyParsons is conducting detailed engineering to retrofit FGD equipment and SCR equipment on each of the four units at the plant. The project includes absorber island equipment provided by Advatech, two new dual flue chimneys, a common limestone preparation system, and a common ammonia storage facility to service the four units.

WorleyParsons provides project management, engineering, procurement assistance, and home office construction management assistance.

Our work from design to execution ensures cost and schedule goals are met.

LG&E DSI and ACI project
CUSTOMER: LG&E
TIMEFRAME: 2012 - 2014
LOCATION: KENTUCKY, USA
OFFICE: PENNSYLVANIA, USA

WorleyParsons is providing Owners Engineering services for 7 units at 2 stations, Ghent Station and EW Brown.

Our Owners Engineer services include overseeing Engineering, procurement, and construction design, along with installation of pulse jet fabric filters, activated carbon injection (ACI), dry sorbent injection (DSI), and auxiliary equipment.

Our DSI design is optimized for higher collection efficiencies, increasing its environmental value.