



Fossil Fueled Power Plant NOx Emission Reduction Systems Installation

Location: Raleigh, NC USA, plus other confidential locations

Client: Mobotec

Gryphon Contact: Paul Durkin

Project Summary Mobotec has a patented process that provides significant NOx reduction from fossil-fueled power plants without the use of a selective catalytic reducer. This technology includes high inertia asymmetrical injection of combustion air to create high-energy cyclone NOx reduction sites. This system was installed (and now successfully operates) on a number of coal-fired boilers in various utility power plants.

Project Services Gryphon provided the following services:

- Conceptual and detailed design of the ducting and air transport system as well as the detailed design of the ammonia injection system. Preparation of 3D models of the structure and ducting.
- Static and dynamic modeling of the raised structure for installation of large capacity fans above grade.
- Technical specification and coordination for mechanical and electrical equipment supplies.



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