

Turnkey Installation of a Regenerative Thermal Oxidizer (RTO)

Georgia Ductile, LLC – Cordele, Georgia

Client Benefits

Georgia Ductile needed to have an RTO installed and running in 30 days. Peregrine met the challenge when other firms could not respond to their request for assistance. Peregrine completed the project 18 days after the work began. Additional time and money were also saved when Peregrine suggested the customer purchase a reconditioned RTO instead of installing a new system, which saved Georgia Ductile about \$250,000 in equipment cost.

The Opportunity

Georgia Ductile's Cordele, Georgia facility produces high technology castings for a variety of automotive manufacturers. An increase in market demand required Georgia Ductile to increase production to satisfy their customers. To take advantage of this opportunity, Georgia Ductile needed to increase production within 30 days. To comply with their current air permit limits, Georgia Ductile needed to find a way to control carbon monoxide (CO) emissions from these new lines.

The Solution

Peregrine quickly responded to the client's needs by offering them a turnkey installation of a CO abatement system, which included:

- Supply and installation of a reconditioned RTO
- Supply and installation of a pre-filtering dust collector
- Supply and installation of ductwork from the mold lines to the baghouse
- System start-up



The RTO processes 25,000 actual cubic feet per minute (ACFM) of air containing approximately 250 parts per million (ppm) of CO and destroys over 95% of the CO produced by the new production lines. The system has been operational since May 2002 and has passed compliance verification testing.