



Solutions

FOR YOUR POLLUTION CONTROL NEEDS

PROCESS COMBUSTION CORPORATION

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THE PCC SOLUTION



Our expertise and experience in the Thermal and Biological Oxidation of gaseous and liquid wastes, NO_x abatement, VOC destruction, odor control, and acid gas systems is complemented by our knowledge, understanding and practical know-how specific to heat recovery boilers, heat exchangers, wet scrubbers, baghouses and electrostatic precipitators.

PCC integrates systems providing “Solutions” to your most challenging Pollution Control needs.

Since 1969, PCC has designed and provided systems for the chemical, petrochemical, refining, automobile, pharmaceutical, textile, rubber, converting, metals, food, sulfur, carbon, engineered wood products and the pulp/paper industries.



PCC's Quality Management System is certified in conformance with the ISO 9001:2015 standard.



PCCs' adherence to consistent and predictable systems is a cornerstone of our long term track record of success.

The PCC Advantage



Our Design Philosophy is a foundation within PCC's Technical Competencies. Safety is always a key concern, coupled with our conservative equipment design, ensuring performance guarantees and mechanical warranties are consistently achieved. All of PCC's Oxidation Systems are custom designed in accordance with our expert knowledge and our customer's design specifications.

PCC's CORE Competencies include:

- ✓ **Project Management**
- ✓ **Process Engineering**
- ✓ **System Integration**
- ✓ **Biological System Design**
- ✓ **Mechanical Design**
- ✓ **Refractory Design**
- ✓ **Electrical Design**
- ✓ **Computer Aided Design (3D modeling)**
- ✓ **System Automation & Control Technologies**
- ✓ **Construction Management**
- ✓ **System Tuning and Troubleshooting**



Our SERVICES flow from our Core Competencies:

- ✓ **Waste Water Incinerators**
- ✓ **Thermal Oxidation of Process Gases**
- ✓ **Biological Oxidation of Process Gases**
- ✓ **Process Air Heaters**
- ✓ **Project Specification Development**
- ✓ **Engineering Studies**
- ✓ **System Modifications and Retrofits**
- ✓ **Field Start Up Training & Troubleshooting**



Aspen and 3D Modeling bring the power of process simulation and optimization to the engineering desktop, and deliver a unique combination of modeling technology, process simulations and overall enhanced process/equipment design.



All projects, large and small, are based on high engineering standards, strict quality control, firm delivery schedules, compliance with stringent environmental regulations and the selection of pre-qualified suppliers and fabricators.

Oxidation Technologies



Broad Experience - PCC designs, manufactures and supplies thermal and biological oxidation technologies for a wide range of pollution control applications. Our designs promote the chemical reaction (thermal/biological oxidation) between the pollutant compound and oxygen (O_2) in air. Our system designs range from highly technical to pre-engineered projects.

NOx Reduction - Our technically advanced Low NOx burners, multi-stage low NOx combustion systems either minimize or totally eliminate NOx emissions. We can meet the most stringent control requirements technically and economically.



PCC Supplies multiple types of thermal oxidizers systems including direct fired thermal oxidizers, regenerative thermal oxidizers, multi-stage thermal oxidizers, flameless thermal oxidizers and recuperative thermal oxidizers.

