

PROCESS COMBUSTION CORPORATION

ULTIMATE FIRE POWER

Combustion Technology for a Better Environment



www.pcc-sterling.com



MISSION STATEMENT

PCC's mission is to apply our know-how with confidence to design, supply and service high-tech, energy-efficient, dependable combustion and pollution control systems that provide cost effective environmental solutions for our global customers.

We will work hard together to achieve mutually rewarding, long-term relationships with our clients and suppliers, and we will continuously develop new technologies to meet emerging market needs.

From the President...

"Through the use of our engineering & application expertise, PCC will design and supply a quality system, delivered on time, that will meet all of your project requirements."

Our Core Values

- ◆ **Know-How** - Experienced, Knowledgeable & Competent - PCC's #1 Core Value
- ◆ **Hardworking** - Working Hard Together to Get the Job Done
- ◆ **Confidence** - Our Confidence in Our Abilities = Customer Confidence
- ◆ **Customer Focus** - Custom Design with a Friendly, Willing Spirit
- ◆ **Dependable** - Meeting Commitments to Our Customers & Owners



*John Dornire
President*

Customer Advantages

Broad Experience - Process Combustion Corporation (PCC) has designed, manufactured and supplied combustion, heat transfer, and pollution control systems since 1969. Our broad spectrum of applications include commercial, industrial, chemical, petrochemical, refinery, automotive, pharmaceutical, food, textile, automotive, mineral, wood products, paper applications tobacco, and carbon products.

Unbeatable Track Record - We have over 900 systems successfully operating throughout the world.

Team Experience - We employ personnel with degrees in various engineering disciplines and Professional Engineers (P.E.) registered in several states. These include Chemical, Mechanical, Electrical, and Environmental Engineering. We have experienced engineers in Combustion, Heat Transfer, Process Design, Instrumentation and Control System Design, Air Pollution Control System Design, PLC Programming, Project Management, Construction Management, and Field Start-up and Troubleshooting.

Financial Strength - We provide our customers with an added sense of financial security. As a wholly owned subsidiary of Bloom Engineering Company (Pittsburgh, PA), we are both member companies of Sterling Industries PLC (London, England), a large, multi-national corporation. With a secure financial backing, we are capable of handling a large number of projects without requiring extraordinary financial arrangements.

Varied Experience - Our expertise and experience in hazardous waste incineration, VOC destruction, and acid gas systems, is complemented by our knowledge, understanding, and practical know-how of heat recovery boilers, heat exchangers, wet scrubbers, baghouses, and electrostatic precipitators. PCC has engineers on staff experienced with material selection, refractory design, structural design, process design, and controls and instrumentation.

NOx Reduction - Our technically advanced Low NOx burners and multi-stage Low NOx combustion systems minimize the emissions of oxides of nitrogen (NOx). With (or without) post combustion NOx reduction techniques, these systems can meet any environmental requirement.

Manufacturing Capabilities - We fabricate our own burners and control panels and maintain strict quality assurance. Steel fabrication, refractory installation, piping and wiring are subcontracted to pre-approved, quality fabrication shops and contractors. Flexibility in selecting fabrication shops allows us to offer competitive equipment pricing, shorter delivery schedules and possibly fabrication close to the jobsite, minimizing freight costs.

Conservative Design - Our design parameters such as volumetric heat release, refractory thickness, refractory composition, structural reinforcing and process safety margins are generally more conservative than those used by other manufacturers. This insures that all performance guarantees and mechanical warranties are met.

Innovative Design Features - We offer optional design features which reduce installation, operating and maintenance costs. These features also maximize "up" time and minimize emissions. Optional design features include skid mounted equipment, "trouble-free" control systems, and low NOx designs.



*Bob Semich
Vice President,
Finance*



TESTIMONIALS

"PCC's commitment to safety and quality allow completion ahead of schedule, under budget, and safely."

Tony Carboni Flawless America, Inc.
(2008)



Located in the South Hills of Pittsburgh, PA
PCC's Administration, Sales, Engineering, Manufacturing and Research & Development are housed in one location.

Thermal Products, Inc. / Phone: (518) 877-0231 / Email: sales@thermalproducts.com / Website: www.thermalproducts.com

Introduction

Process Combustion Corporation (PCC) is headquartered in Pittsburgh, Pennsylvania (USA). We are a highly reputable and highly respected company in the combustion engineering field.

We earned this status through the experience and expertise of our engineering and administrative staff. Our core engineering staff has experience with material selection, refractory design, structural design, process design, and controls and instrumentation. All projects, large and small, are based on high engineering standards, strict quality control, firm delivery schedules, stringent environmental regulations, and carefully selected suppliers.

Since 1969, we have designed, manufactured, and supplied combustion heat transfer and pollution control systems to various industries. Our market is the design, engineering, and supply of thermal oxidizers, afterburners, incineration, air heaters and specialty combustion systems to the chemical, petrochemical, refining, automobile, pharmaceutical, manufacturing, textile, rubber, converting metals, food, wood products, sulfur, carbon, and the pulp and paper industries. The thermal oxidizers, afterburners, and incineration systems destroy liquids, gases, fumes, vapors, and malodorous compounds. Our expertise and experience in hazardous waste incineration, VOC destruction, and acid gas systems is complemented by our knowledge, understanding and practical knowhow of heat recovery boilers, heat exchangers, wet scrubbers, baghouses, and electrostatic precipitators.

We've specialty-designed systems for many Fortune 500 companies ranging from \$5,000 to over 11 million dollars. We have an excellent track record for performance and reliability.

History

Process Combustion Corporation (PCC) was formed in 1969 as a joint venture between Bloom Engineering Company of Pittsburgh, PA and the former Urquhart Engineering Company of London, UK (now known as PCC Sterling Limited) who have been in business for over 70 years. Bloom designs and manufactures high performance burner and refractory products for steel and aluminum metals industries. Former Urquhart Engineering Company engineered and supplied specialty combustion and heat transfer systems to the chemical and petroleum process industries. These systems included large capacity burners, high intensity burners, gasifiers, combustors, air heaters, and process hot gas generators.

In 1984, Process Combustion Corporation became a wholly owned subsidiary of Bloom Engineering, Pittsburgh, PA. Sterling Industries PLC later acquired Urquhart, and changed its name to PCC Sterling Ltd. and relocated to Aylesbury, UK. In 1984 Sterling Industries PLC acquired all the Bloom companies (Bloom Engineering (Europa) GmbH in Dusseldorf Germany. Other members of the Sterling PLC group include Sterling Hydraulics, Crewkerne, UK and Chicago, IL; and GCD International, Knoxfield, Australia.

We provide our customers with an added measure of financial security. As a member of a vast multi-national corporate group, we can handle a large number of projects, of almost any size, without financial hardship or requiring extraordinary financial arrangements.



*Ed Danley
Vice President,
Technology*

Experience

Process Combustion Corporation's experience along with Bloom Engineering's and PCC Sterling Limited's combined 140+ years of corporate experience, qualifies PCC to successfully handle any combustion, heat transfer and pollution control application.

Over the years, we have worked closely with many of the major refractory manufacturers and contractors to develop refractory designs and installations that perform to customer specifications and do not fail. The knowledge and experience gained in all these applications is reflected in our overall approach to design, fabrication, and project management. This combination certainly qualifies us to be your preferred vendor on your projects.

Design Features

We offer optional design features which reduce installation, operating and maintenance costs. These features also maximize "up" time and minimize emissions. Optional design features include skid mounted equipment, "trouble-free" control systems, and low NOx designs.

We use traditional engineering concepts to design and fabricate our combustion, heat transfer and pollution control systems. We use a conservative design approach for parameters such as volumetric heat release, refractory materials, refractory thickness, shell thickness and process safety margins. The selection of operating temperatures, residence times, excess air rates and mixing techniques are based upon our knowledge and experience with similar applications and processes. Our design philosophy insures that all performance and mechanical warranties are met.

Manufacturing & Fabrication Capabilities

We design, fabricate, and supply our own burners, control panels, and control systems. The burners and control panels are fabricated in our shop in Pittsburgh, PA. These items are the most important parts of any combustion system and PCC keeps tight control over their design and fabrication. Quality materials, workmanship, and components are guaranteed.

We subcontract steel fabrication, refractory installation, piping and wiring to proven, reliable and high quality fabrication shops and refractory contractors. This ability to select a fabrication shop and refractory vendor provides a large degree of flexibility in controlling the location, the scheduling, and the overall cost of a project.

All of our equipment is designed to be fabricated in the largest shippable sections. This minimizes the customer's freight and field work costs. The method of shipment is determined at the time of the order and forms another criterion for the final selection of the fabricator. The close proximity of a shop to the end user also allows us to minimize shipping costs.

When possible, all refractory materials are shop-installed prior to shipment. If the equipment is too large, the refractory materials are field installed by approved refractory contractors. PCC personnel usually supervise and approve this work at the site.

We carefully qualify all of our fabrication shops and refractory contractors. We continually check, inspect and update the qualifications for all of our vendors and subcontractors. All of our shops are open for customer inspections, expediting and surveys, if necessary.

6...We are very pleased that it was commissioned 5 weeks earlier than the contract completion date"

-National Electric Carbon Products, Inc. (2006)



*Scott Burge
Vice President,
Sales*



Construction Engineering, Installation, Commissioning & Operator Training

Process Combustion Corporation (PCC) handles all construction engineering, installation, commissioning and operator training through our Pittsburgh, Pennsylvania headquarters. We typically prepare the following drawings and information for the installation phase of a project:

- ◆ Thermal oxidizer installation drawing and procedures
- ◆ Stack installation drawings and procedures
- ◆ Routing and installation of ducting within the battery limits
- ◆ Installation of thermal oxidizer ancillary equipment such as fan, control panel, heat recovery systems, etc.
- ◆ Installation of platforms and ladders supplied by PCC and as shown on our referenced General Arrangement drawings
- ◆ Installation/routing of field electrical wiring and conduit runs between PCC supplied equipment, as well as runs to our battery limits
- ◆ Installation and field connection of instrumentation supplied by PCC
- ◆ Installation of field installed rain shield or insulation (if required)
- ◆ Location of area lighting fixtures on the stack (if required)



*Dennis Jones
Director of
Procurement*

We subcontract installation on site to approved, quality, local contractors. We provide a representative to supervise all facets of the installation process. This includes pre-installation meetings with the customer, engineer, and our subcontractors to coordinate scheduling and mobilization. During installation, communications concerning schedules, manpower, warranties, guarantees, etc. are directed through our representative.

After installation is complete, we can provide a representative to supervise commissioning and start-up of the system. This representative also trains the customers personnel in the proper operation, maintenance, and troubleshooting of the system. We usually provide a representative to witness the performance test after start-up.

Our experience in all phases of project management make us the preferred vendor for turnkey projects.



"PCC is a class act... Seasoned people who are quick to respond to needs and issues"

-Ford Motor Company (2006)

General Code and Standards

Process Combustion Corporation (PCC) will design, fabricate, and supply equipment which meets any code and/or specification. The following list outlines the general codes and standards which we use for the design and fabrication of our equipment.

Steel Fabrication & Welding:	AWS ASTM	American Welding Society American Society for Testing & Materials
Piping:	AWS NFPA ASTM ANSI	American Welding Society National Fire Protection Association American Society for Testing and Materials American National Standards Institute
Pressure Vessels:	ASME	American Society of Mechanical Engineers
Combustion Safeguards:	IRI FM NFPA	Industrial Risk Insurers Factory Mutual National Fire Protection Association
Instrumentation & Wiring:	NEC NEMA	National Electrical Code National Electrical Manufacturers Association
Painting:	SSPC	Steel Structures Painting Council



*Gerry Scheiman
Manager,
Engineering*

In addition, all instruments and controls are industrial or petrochemical quality and Underwriters Laboratories (UL) listed. PCC can also design and fabricate to other standards if specified. These include CSA, API, TEMA, etc.



"...PCC works like a well-oiled machine"

*-Louisiana Pigments
Company (2007)*



Low NOx Thermal Oxidation of Nitrogenous Wastes

PCC has specialized in the thermal destruction of waste streams which normally produce high emissions of oxides of nitrogen (NOx). Our proprietary custom designed multistaged combustion system minimizes NOx emissions. PCC has successfully supplied this type of system for a variety of industries. We have utilized this low NOx technology for waste streams containing the following chemicals: Acrylonitrile, Acetonitrile, Ammonia, Amines, Hydrogen cyanide, Nitrogen dioxide, Nitrogen oxide, Pyridine, Urea, and Cyanuric Acid.

Global Customer Service

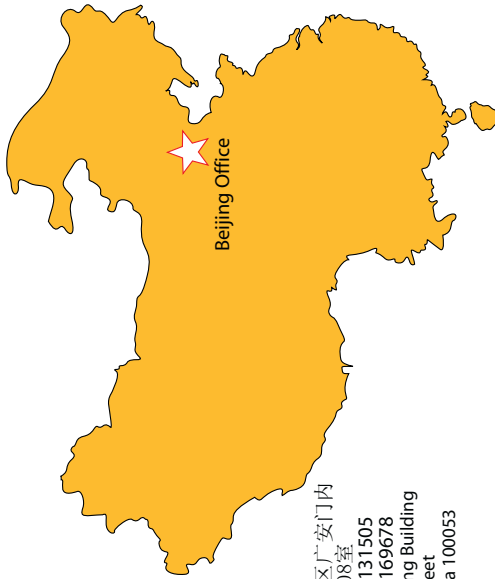
To better serve our global customers, PCC has expanded its operations with offices in Beijing, China and London, England. Both these offices operate with fully trained British and Chinese PCC employees. Their mission is to support the Pittsburgh headquarters to execute projects in Europe and Asia by developing supply chains, providing Project Management support, inspection services, local contract and banking services, assist with Sales and Marketing activities, and help our customers communicate effectively with PCC worldwide.



*Ylao Wen
Manager,
Asian Operations*

China Office

PCC-China in Beijing is growing rapidly adding engineers and service personnel to meet the demands of our Chinese customers in the Chemicals, Petrochemicals, and refining industries. Just call and speak to any of our Chinese employees...



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Chinese customers

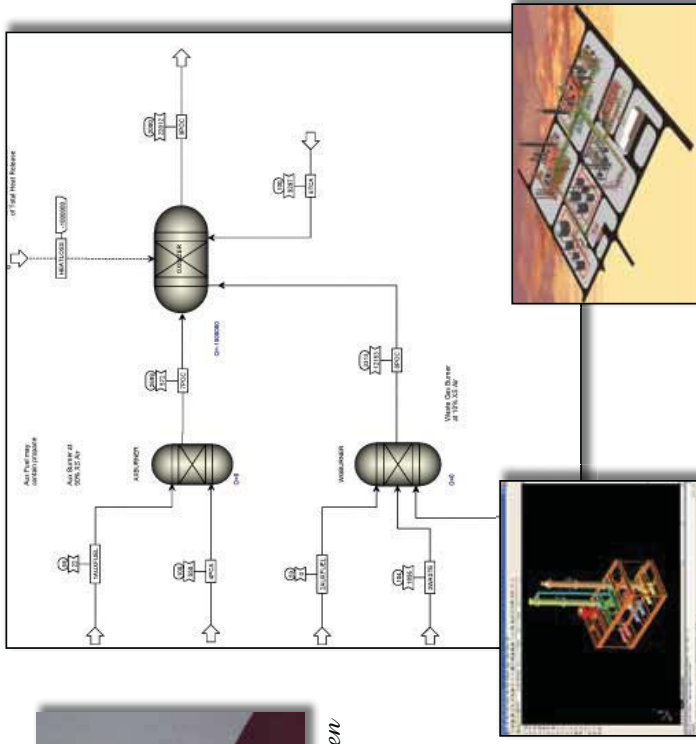
PCC has been successfully working with some of the powerhouse companies in China, such as...



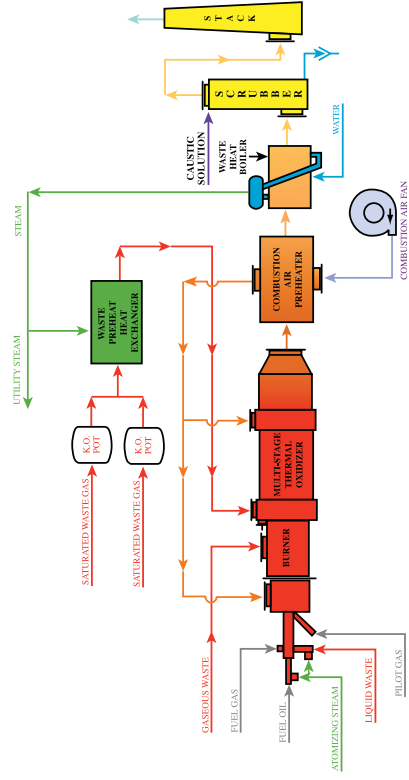
Aspen and 3D Modeling



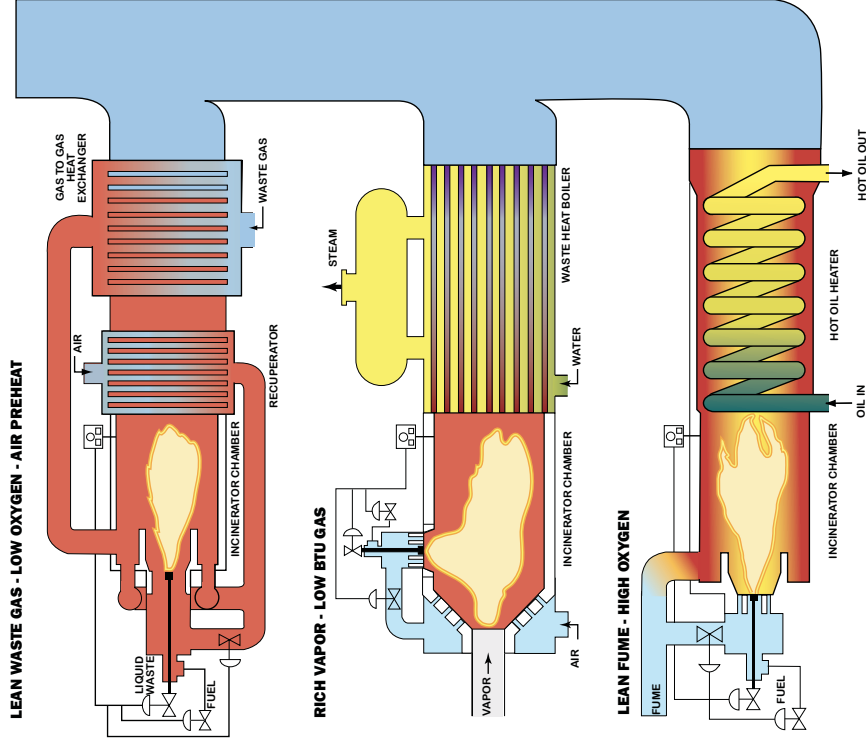
*Tom McMillen
Manager of
Projects*



TYPICAL FULLY INTEGRATED THERMAL OXIDATION SYSTEM



Gases - Fumes - Vapors - Odors - Liquids



Partial Customer List

A sampling of the companies that PCC has successfully completed pollution control system projects for includes (but not limited to):

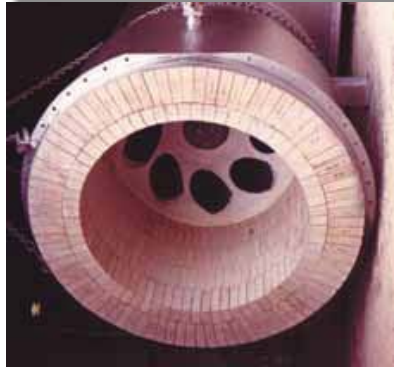
- ◆ E.I. DuPont de Nemours
- ◆ Eastman Chemical Co.
- ◆ Owens Corning
- ◆ Louisiana Pigment Co.
- ◆ Monsanto
- ◆ Veolia Water
- ◆ National Electrical Carbon
- ◆ Rohm and Haas
- ◆ BASF
- ◆ Asia Silicones Monomer
- ◆ Honda of America
- ◆ Sunoco, Inc.
- ◆ Cabot Corporation
- ◆ Arizona Chemicals
- ◆ BP Chemicals
- ◆ Siemens Westinghouse
- ◆ Solutia
- ◆ 3M Company
- ◆ Ashland Chemical
- ◆ Propak

Thermal Oxidation Experience

Process Combustion Corporation (PCC) is a leading supplier of thermal oxidizer systems to industries worldwide. These systems are uniquely designed to provide our customer with the most efficient and economical thermal oxidizer system to conform to their needs and specifications.

We design, fabricate, and supply thermal oxidation systems to destroy the contaminants in the following applications and/or waste streams:

- ◆ Phosphorus Compounds
- ◆ Halogenated Compounds
- ◆ Mercaptans
- ◆ Non-Condensable Gases (NCG)
- ◆ Formic Acid
- ◆ Acetic/Acrylic Acid
- ◆ Volatile Organic Compounds (VOC's)



Vertical Thermal Oxidizer for Resin Plant
15,000 scfm Waste Gas plus
5,400 scfm Air
15 MM Btu/hr
Natural Gas



Thermal Oxidizer with Acid Scrubber System for Halogenated Hydrocarbon
16 MM Btu/hr

Thermal Oxidizer Designs

The following charts emphasize our thermal oxidizer experience in the chemical and petrochemical industries, carbon black industry, sulfur plants, and the pulp and paper industry.

ORIENTATION DESIGN	DESIGN ADVANTAGES	COMPLETE SYSTEM INCLUDES
Horizontal	<ul style="list-style-type: none"> ◆ Excellent heat recovery ◆ Ease of access/maintenance 	Burner, combustion chamber, heat recovery boiler, heat exchanger, scrubber, stack, instrumentation and controls
Vertical	<ul style="list-style-type: none"> ◆ Conserves floor space ◆ Lower equipment cost 	Burner, combustion chamber, heat recovery boiler, heat exchanger, scrubber, stack, instrumentation and controls
Chlorinated Hydrocarbon Systems	<ul style="list-style-type: none"> ◆ Destruction Rate Efficiency (DRE) of 99%+ 	Gas/auxiliary fuel burner, combustion chamber, air blower, quench section, scrubber, HCl pump



Construction efforts during installation phase of an Acrylonitrile Waste Water Incinerator project in Jilin, China

Thermal Oxidation Experience

Following is a general description of our experience with thermal oxidation. Due to secrecy and confidentiality agreements with our customers, Process Combustion Corporation cannot disclose customer names, specific site locations or detailed project information.



No. 6 OGH Upshot Air Heater
30 MM Btu/hr No. 2 Oil Spray Dryer for
Fine White Powder



Multi-Stage, Low NOx WasteWater Incinerator supplied to handle
129 MM Btu/hr from an acrylonitrile production facility in Shanghai, China

PROCESS	DESCRIPTION
Agrichemical (Examples)	Thermal oxidizer designed to destroy the formaldehyde, carbon monoxide, hydrogen and other organic compounds in the vent gases Carbopol acrylic acid polymer production plant incinerator. The system required 99% DRE and provided emission control for process and material storage tank vents Hycar reactive rubber production incinerator. The system requires 99% DRE, anti flash back protection and skid mounting.
Automotive (Examples)	Afterburner system designed to thermally oxidize the hydrocarbons and carbon monoxide in the exhaust gases from four car engine test dynamometers Thermal oxidizer with heat recovery to destroy the organic compounds in the regenerator gas from carbon absorbers used in an automobile plant line. This system handles 10,000 scfm of solvent laden air
	Vinyl chloride monomer reactor offgas incinerator Duplex size acrylonitrile absorber offgas incinerator and waste heat boiler system Acrylic acid scrubber offgas incinerator, waste heat boiler and stack Acrylonitrile absorber offgas with liquid aceto nitrile and hydrogen cyanide incinerator, economizer and stack Hydrogen cyanide gas incinerator with waste heat boiler and economizer Resin plant fume incinerator systems, including heat recovery, collection ductwork and engineering Phosphine and dioxane incineration system with gas to gas heat recovery and scrubber Waste gas incineration system for an activated carbon process plant. The waste gas includes carbon particles that require high temperature incineration with long retention times.
Chemical (Examples)	Aniline plant, liquid waste vertical incinerator system Multistage thermal oxidizer/heat recovery system to destroy the butadiene, styrene, and ammonia in two vent gas streams. The system is designed to minimize NOx emissions and includes a heat recovery steam boiler. Thermal oxidizer with heat recovery systems to destroy the VOC's in the exhaust gas from a plastic additive process Thermal/scrubber system to destroy the methyl chloride in a reactor exhaust gas Chlorinated hydrocarbon offgas incinerator including heat recovery boiler, quench/absorber and caustic scrubber Multistage thermal oxidizer system designed to destroy the contaminants in an acrylonitrile absorber off gas (AOG). The system is designed to minimize NOx emissions. The system is rated for a maximum heat release of 200 MM Btu/hr Thermal oxidizer for destroying 99.9% of the butadiene, styrene, and other organic compounds in the off gas from a synthetic latex production process.
Petrochemical (Examples)	Thermal oxidizer to destroy the benzene, hydrogen sulfide, and other hydrocarbons in tank and sewer breather vents. The system is rated at 43 MM Btu/hr Chlorinated hydrocarbon offgas incinerator including heat recovery boiler, quench/absorber and caustic scrubber
Pulp & Paper (Examples)	NEG (non condensable gas) gas incineration system TPS (total reduced sulfur) gas incineration system

The PCC Thermal Oxidizer performs **better than your guarantee.**[™]

-National Electric Carbon Products, Inc. (2006)

Low NOx Flame
#10 STC
62 MM Btu/hr
Crude Oil



In the chemical and petrochemical industries we have designed, manufactured, and commissioned systems handling several types of liquid and gaseous chlorinated hydrocarbon wastes.



Liquid Waste Incinerator with SCR, Waste Heat Boiler and Baghouse.
System Design Capacity = 129 MM Btu/hr

Halogenated Waste Incineration Systems

Following are some examples of our recent experience in the halogenated waste incineration application:

TYPE OF SYSTEM	DESCRIPTION
Thermal Oxidizer / Scrubber System (Examples)	System designed to destroy the methyl chloride in a process exhaust gas. The system consists of a horizontal thermal oxidizer, burner, quench section, caustic scrubber, stack, instrumentation and controls. This system is designed for a maximum heat release of 2.5 MM Btu/hr.
	System designed to destroy the chlorinated hydrocarbons in a process exhaust gas from the production of vinyl chloride monomer (VCM). The system consists of a horizontal combustion chamber, burner, quench section, caustic scrubber, stack, instrumentation and controls. The system is rated for a heat release of 1.75 MM Btu/hr.
	Thermal oxidizer/quench/scrubber system designed to destroy the methyl chloride in a process exhaust gas. The system consists of a horizontal thermal oxidizer, burner, quench section, caustic scrubber, stack, instrumentation and controls. This system is designed for a maximum heat release of 12.0 MM Btu/hr.
Thermal Oxidizer with Heat Recovery / Scrubber System (Examples)	Thermal oxidizer/quench/scrubber system designed to destroy the chlorinated hydrocarbons in a process exhaust gas. The system consists of a horizontal thermal oxidizer, burner, quench section, caustic scrubber, stack, instrumentation and controls. This system is designed for a maximum heat release of 3.2 MM Btu/hr.
	System designed to destroy the methyl chloride and hexane in a process exhaust gas. The system includes a horizontal combustion chamber, burner, fire-tube heat recovery boiler, quench section, caustic scrubber, induced draft is rated for a maximum heat release of 2.7 MM Btu/hr. The heat recovery boiler is designed to produce a minimum of 1750 lbs/hr of 200 psig, saturated steam.
Thermal Oxidizer with Heat Recovery / Scrubber System (Examples)	System designed to destroy the chlorinated and non-chlorinated hydrocarbons in four (4) liquid waste streams and one (1) gaseous waste stream. The system is rated for a heat release of 11.0 MM Btu/hr. The heat recovery boiler produces 175 psig saturated steam. The hydrochloric acid, which is removed from the products of combustion, is recovered and reused in the process. The system includes a horizontal combustion chamber, multi fuel burner, heat recovery boiler, quench/absorber, caustic scrubber, instrumentation and controls.



Thermal Products, Inc. / Phone: (518) 877-0231 / Email: sales@thermalproducts.com / Website: www.thermalproducts.com

Carbon Industry

We have supplied tail gas thermal oxidizers for the carbon black industry, the carbon electrode industry, the activated carbon manufacturing industry, and the refractory industry.

DESCRIPTION
Tail gas thermal oxidizer unit utilizing a multistage combustion process. The system is designed to destroy the hydrogen, hydrocarbons, organic compounds, sulfur compounds, nitrogen compounds and carbon particulate in a process exhaust gas stream. The system is rated for a maximum heat release of 96 MM Btu/hr.
Tail gas thermal oxidizer unit to destroy the coal volatiles and organic compounds in the off gas from the activated carbon baking ovens. The system is designed for a maximum heat release of 63.0 MM Btu/hr.
Thermal oxidizer unit to destroy the pitch volatiles in the exhaust gas from a refractory brick coking oven. The system is rated at 4.0 MM Btu/hr.
Thermal oxidizer unit to destroy the organic compounds in the exhaust gas from an oven used to manufacture carbon impregnated refractory brick. This system is rated for a maximum heat release of 8.0 MM Btu/hr.
Tail gas thermal oxidizer unit to destroy the coal volatiles in the exhaust gas from an activated carbon manufacturing process. The system is rated for a maximum heat release of 47.3 MM Btu/hr.
Thermal oxidizer unit to destroy the organic compounds in the exhaust gases from a battery of carbon baking ovens. These ovens are used in the manufacturing of carbon electrodes. The system is rated for a heat release of 25.0 MM Btu/hr.

Carbon Black Tail Gas
(Two Stage) Thermal
Oxidizer 19,237 scfm
96 MM Btu/hr
200 Ft. Free Standing
Stack Natural Gas



Sulfur Gas Incineration Systems

In the pulp and paper industry, we have designed, manufactured, and commissioned systems handling several types of liquid and gaseous wastes, including, but not limited to, the following:

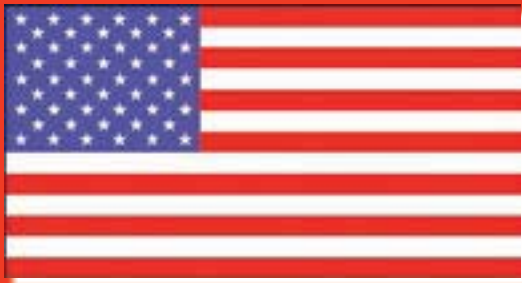
DESCRIPTION
Non Condensable gas (NCG) thermal oxidizer system to destroy the hydrogen sulfide, mercaptans, methyl alcohol (MeOH) and hydrocarbons in the off gas from a kraft pulp and paper continuous digester process. The thermal oxidizer accepts three (3) different waste gas streams. Two (2) streams are handled as "fuel" sources. One (1) stream is used as a combustion air source. The system has a design maximum heat release of 15.0 MM Btu/hr. The operating temperature varies between 1500°F and 2200°F.
Total reduced sulfur (TRS) gas thermal oxidizer system for destroying the hydrogen sulfide, mercaptans, methyl alcohol, acetone and turpentine in the exhaust gas from a batch digester. The thermal oxidizer is a stand by unit and is designed for a maximum heat release of 7.5 MM Btu/hr. The operating temperature is between 1500°F and 2000°F. A quench section reduces the temperature of the products of combustion to approximately 700°F prior to discharge.
NCG/MeOH thermal oxidizer designed to destroy the hydrogen sulfide, mercaptans, and organic compounds in three (3) gaseous waste streams. The system is also designed for firing liquid turpentine as fuel. The system is rated for a maximum heat release of 13.5 MM Btu/hr.
Thermal oxidizer designed to burn the waxy binder (volatiles) in the exhaust gas from an acoustical tile drying/curing kiln. The thermal oxidizer products of combustion are ducted to either two (2) firetube boilers or the kiln for heat recovery. This system is designed for a maximum heat release of 60.0 MM Btu/hr.

"FPC was absolutely on time with delivery of our TO...I was quite impressed...All of the units we bought from FPC run flawlessly, even after 10 years... We can't calculate a MTBF because there have been no failures!"
Ford Motor Company (2006)

Two Tail Gas
Incinerators for
Sulfur Plant
50,000 scfm
70 MM Btu/hr
No. 6 Fuel Oil



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U.S.A.

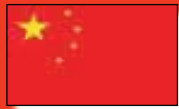
PCC operates from the following global offices:



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Web site: www.pcc-sterling.co.uk; E-mail: mail@pcc-sterling.co.uk



• **China**

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Representatives located in major U.S. Cities, Canada, Asia, and selected countries