



FORM 400-E-2a
GASEOUS EMISSION CONTROL FORM
AFTERBURNER/OXIDIZER

Mail Application To:
 SCAQMD
 P.O. Box 4944
 Diamond Bar, CA 91765

Tel: (909) 396-3385

www.aqmd.gov

This form must be accompanied by a completed Application for a Permit to Construct/Operate -Form 400A, Form CEQA, Plot Plan and Stack Form

Permit to be issued to (Business name of operator to appear on permit):
Address where the equipment will be operated (for equipment which will be moved to various location in AQMD's jurisdiction, please list the initial location site):
Fixed Location
Various Locations

SECTION A: EQUIPMENT DESCRIPTION

Equipment	Manufacturer:	Model:
Type	Catalytic Oxidizer Recuperative Oxidizer Thermal (direct fired) Oxidizer Regenerative Thermal Oxidizer (RTO) – Number of Chambers:	
	Is a Rotoconcentrator for VOC part of the design? Yes No	
	Media type for Regenerative Oxidizer For Recuperative Oxidizer, type of heat exchanger Saddles Shell and Tube Monolith Plate Other Other	
Type of Burner	Gas Fired Btu Rating: Electric KW Rating: Oil Fired Btu/Rating:	
	Make:	Model:
	Blower scfm: Blower H.P.: Manufacturer's emission guarantee for burners for: NOx: ppm@ % O ₂ CO: ppm @ % O ₂	
Design Criteria	Retention time at normal operating temperature: Combustion Chamber Volume: Design Gas Flow: secs at °F cubic feet (ft ³) scfm	
Pre-Treatment	Is a pre-treatment device for particulate removal present? Yes No If yes, indicate type: Cyclone Precooler Preheater Knock-Out Chamber Baghouse Other:	
Auxiliary Fuel Data	Auxiliary fuel available? Yes No If yes, indicate type:	
	Fuel Usage: <u>Maximum</u> <u>Minimum</u> <u>Average</u> Cubic Feet (Ft³)/Hour OR Gallons/Hour	
For Catalytic Oxidizer	Catalyst Manufacturer:	
	Type of Catalyst: Low Temperature Catalyst Commercial Noble Metal Other	Does the process emit any of the following potential catalyst masking agent or deactivators? Yes No (If yes, check the type(s))
	Estimated Catalyst Life: years	Halogen Heavy Metal
	Catalyst Cleaning Frequency: months	Silicone Sulfur Compounds Phosphorous Compound Particulate Matter
Process Blower	Blower: HP Design Flow Rate: SCFM Draft: Forced Induced	

SECTION B: PROCESS STREAM CHARACTERISTICS

Brief Description of Process	Please attach a process flow diagram and engineering drawing of the process and the control system configuration. In the space provided, indicate what equipment is vented to the control equipment.					
Emission Data	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Air Contaminant</th> <th style="width: 25%;">Concentration -ppmv</th> <th style="width: 25%;">Destruction Efficiency %</th> </tr> </table>	Air Contaminant	Concentration -ppmv	Destruction Efficiency %		
Air Contaminant	Concentration -ppmv	Destruction Efficiency %				
Instrumentation Data	Describe instrumentation data for measuring temperature, pressure drop and other operating parameter (attach description, if necessary):					
Bake or Burnout Process	Is bakeout a feature of the process? Yes No					
Operating Conditions	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 33%;">Maximum</th> <th style="width: 33%;">Minimum</th> <th style="width: 33%;">Average</th> </tr> </table> <p>Operating Temperature °F Exit Gas Temperature °F Pressure Inches -H₂O Moisture Content -% Gas Volume- SCFM Gas Velocity in duct-ft/min</p>			Maximum	Minimum	Average
Maximum	Minimum	Average				
Operating Schedule	Normal:	hours/day	days/week			
			weeks/yr			
	Maximum:	hours/day	days/week			
			weeks/yr			

SECTION C: APPLICANT CERTIFICATION STATEMENT

I hereby certify that all information contained herein and information submitted with this application is true and correct.

SIGNATURE OF PREPARER:	TITLE OF PREPARER:	PREPARER'S TELEPHONE NUMBER:
		PREPARER'S E-MAIL ADDRESS:
CONTACT PERSON FOR INFORMATION ON THIS EQUIPMENT:	CONTACT PERSON'S TELEPHONE NUMBER:	DATE SIGNED:
E-MAIL ADDRESS:	FAX NUMBER:	

CONFIDENTIAL INFORMATION

Under the California Public Records Act, all information in your permit application will be considered a matter of public record and may be disclosed to a third party. If you wish to keep certain items as confidential, please complete the following steps:

(a) Make a copy of any page containing confidential information blanked out. Label this page "public copy."
(b) Label the original page "confidential." Circle all confidential items on the page.
(c) Prepare a written justification for the confidentiality of each confidential item. Append this to the confidential copy.