## **AFTERBURNER APPLICATION** (THERMAL AND CATALYTIC)

FORM E109 07/2001

1.	Nar	Name of Company:									
2	(As shown on Line 1,			? 1, Form E00	01)						
2. Name of Equipment:  (As shown on Line 10, Form E001)											
3.	Equ	uipment Data:	,			,					
		Name of Manufact	urer:					Model N	umber:		
		Date of Manufactu	re:		Dat	e of Installa	tion:				
4.	Em	issions Data:									
	A.	Air Contaminant	Concentration	(ppm or pe	volume at s	ne at standard conditions)					
	В.	Inlet Gas Propertie Temperature: Pressure	s: <u>Ma</u>	aximum	Minimu	ım Av	erage	°F In. H <sub>2</sub> O			
		Moisture:						%			
		Gas Volume:						Ft <sup>3</sup>			
		Gas Velocity	in Duct:					Ft/min.			
	C.	This data was deter	is data was determined by:  Source Test (Submit report)  Other (Specify):  Estimation (File Form E106)								
5.	Afterburner Data:										
	A.	Thermal Afterbo	urner								
		a. Check All Th ☐Multi		☐Gas-fin☐Mixing		☐Oil-Fire	ed Specify):		e-Mixing Premixing		
		Retentio	g Temperature:	Max	kimum	Minimum	Ave	erage	°F Sec °F		
		c. Heat Recover	□Yes	No							
	В.	Catalytic Afterb	urner								
		a. Describe Cata	alyst and Substra	ıte:							
		b. Estimated Car	talyst Life:		Hrs						

6.	Afterburner Efficiency:									
	A. Stated by Manufacturer:	%								
	B. Estimated (Attach Calc.):	<u> </u>								
	C. Actual (Source Test-attach report):									
7.	Instrumentation Data:									
<i>,</i> .										
	Describe temperature sensory devices and their operating parameters:  ———									
8.	Auxiliary Fuel Data:									
	A. Type of Auxiliary Fuel:									
	B. Auxiliary Fuel Usage: Maximum Minimum Average									
		Ft <sup>3</sup> /hr or gal/hr								
9.	Submit drawings of all equipment with each application.									
	This is to certify that I am familiar with the operations concerning this equipment and that the information provided on this application is true and complete to the best of my knowledge. This form must be completely filled out before it will be acceptable.									
	Mail to:	Company Official:								
	CHATTANOOGA-HAMILTON COUNTY AIR POLLUTION CONTROL BUREAU	Title:								
	6125 Preservation Drive	Date:								
	Chattanooga, TN 37416	Date:								
	DO N	OT WRITE BELOW THIS LINE								
	Engineer Approval This fo	rm corresponds to Permit Number:								
Spe	cial Notations:									
_										