FORM E108 07/2001

ADSORBER SYSTEM APPLICATION (This form must be accompanied by Form E001, E010, E011, E102, E103 or E104 if not already submitted for this equipment.)

1.	ame of Company:				
_	(As shown on Line 1 of Form E001)				
2.	Name of Equipment: (As shown on Line 9 of Form E001)				
3.	Control Equipment Name:				
4.	Control Equipment Data: A. Equipment Data: Name of Manufacturer: Model Number: Date of Manufacture: Date of Manufacture: B. Pollutant Data: List of contaminants to be removed and the corresponding concentrations. Pollutant Concentration (ppm at Standard Conditions)				
	C. Carrier Gas Data: a. The carrier gas is: b. Vapor concentration: C. Gas Stream Conditions: Temperature: Moisture Content: * If within the lower and upper explosive limits, explosion proof pumps, fans, etc. should be considered. D. Emissions data determined by: Stack Test (submit report) C. Carrier Gas Data: Air Within Lower and Upper Explosive Limits* Not Flammable Pressure: Not Flammable Fressure: Not Flammable Stack Test (submit report) Calculation (submit copy)				
5.	Process Data: A. Volume of gas to be treated: B. Velocity of gas to be treated: C. Duct diameter: D. Process Operation: E. Operating Time: CFM @ STP FPM @ STP Intermittent Daily: Weekly: Days/week Yearly: Weeks/year				
6.	Adsorption System Data:				
A. The system is: Regenerative					

7.	Adsorbent System Variables:								
<i>,</i> .	A. Bed Depth:		Inches	Bed Area: Ft ²					
	B. Packing Density:		Lbs/ft ³						
	C. Total Charge per System:		Lbs						
	D. Temperature of Adsorbent:		°F	All adsorption reactions are exothermic – give maximum working temperature.					
	E. Pressure Drop through Bed:		Inches Water	Inches Hg					
	F. Capacity of Adsorbent:		In weight capacity/weight adsorbent at working temperature and air contaminant						
			concentration.						
	G. Estimated Life of Adsorbent to Breakthrough:	<u> </u>	hours	Submit supporting data from manufacturer.					
	H. Air Flow Rate through Bed:		CFM						
8.	Regenerative Systems:								
٠.	A. Number of Adsorbers in System:								
	B. Time required for Regeneration Cycle:								
	C. If steam is used to regenerate, indicate the steam ratio to solvent:								
	D. Capacity of Working Charge:								
	E. List all equipment to be used for recovery system:								
9.	Control Efficiency:								
	Specify Pollutant		Efficiency %						
10.	Drawings of all equipment should be submitted v	with each app	lication.						
	brawings of an equipment should be submitted to	viiii cacii app	noution.						
				ion provided on this application is true and correct to the best of					
my kr	owledge. This form must be completely filled out before it w	<u>ill be acceptable</u>	<u>.</u>						
	26.11		Commons	Official.					
	Mail to:		Company O						
	CHATTANOOGA-HAMILTON COUNTY			Signature Title:					
	AIR POLLUTION CONTROL BUREAU 6125 Preservation Drive			Title:					
	Chattanooga, TN 37416			Data					
	Chattanooga, 11v 3/410			Date:					
	DO	NOT WRITE B	ELOW THIS LINE						
	Engineer Approval This	torm corresp	onds to permit n	number:					
Spec	cial Notations:								