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.	Name of Company:			
2.	Name of Equipment:	(As shown on Line 1 of Form E001)		
3.	Control Equipment Name:	(As shown on Line 9 of Form E001)		
4.	Control Equipment Data: A. Equipment Data: Name of Manufacturer: Model Number: Date of Manufacture: B. Pollutant Data: List of contaminants to be removed and the correspondence of the contaminants of the correspondence o	Cost of Equipment: Date of Installation:  Onding concentrations.  Concentration (ppm at Standard Conditions)		
	c. Gas Stream Conditions: Temperature:  Moisture Content:  * If within the lower and upper explosive limits, expl	Other (specify):		
5. Process Data: A. Volume of gas to be treated: B. Velocity of gas to be treated: CFM @ STP  B. Velocity of gas to be treated: C. Duct diameter: D. Process Operation: E. Operating Time: Daily: Weekly: Yearly: Weeks/year  CFM @ STP  Ft  D Intermittent Periodic Daily: Weeks/year				
6.	Adsorption System Data:  A. The system is: Regenerative Multi Pass  B. Adsorbent data: Activated Carbon – mesh size: Hydrous Oxides (Specify): — mesh size: Metallics (Specify): — mesh size: Other (Specify): — mesh size: — The data of the control	☐ Non-regenerative ☐ Single Pass ☐ Thin Bed ☐ Thick B		

7. Adsorbent System Variables:					
A. Bed Depth:		Inches	Bed Area: Ft <sup>2</sup>		
B. Packing Density:		Lbs/ft <sup>3</sup>			
C. Total Charge per System:		Lbs			
D. Temperature of Adsorbent:		PF	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.	Submit supporting data from manufacturer.		
G. Estimated Life of Adsorbent to Breakthroug		hours	Suomii supporting aata from manujacturer.		
H. Air Flow Rate through Bed:		CFM			
8. Regenerative Systems:					
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 sy	stem:		<del></del>		
Control Efficiency:					
Specify Pollutant	Specify Pollutant		Efficiency %		
10. Drawings of all equipment should be submitted	l with each ann	ication			
23. Brawings of an equipment should be submittee	. with each appl	reation.			
This is to certify that I am familiar with the operations concerning			on provided on this application is true and correct to the best of		
my knowledge. This form must be completely filled out before it	will be acceptable.				
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		C	NEC: _:_1.		
Mail to:		Company O			
CHATTANOOGA-HAMILTON COUNTY			Signature		
AIR POLLUTION CONTROL BUREAU 2034 Hamilton Place Blvd. Suite 300			Title:		
	Chattanooga, TN 37421		Data		
Chattanooga, 11v 37 121			Date:		
	– OO NOT WRITE RI	ELOW THIS LINE			
Engineer Approval Th	is form correspo	onds to permit m	umber:		
Special Notations:					