## FORM C5 CONTROL DEVICE (ADSORBER)

REVISED 09/22/16	NCDEQ/DIV	ision of Air Qua	ility - Appi	ication for Air i	ermit to C	onstruct/Operate		03
AS REQUIRED BY 15A	NCAC 2Q .0112, THI	S FORM MUST	BE SEALE	ED BY A PROFI	ESSIONAL	ENGINEER (P.E.)	) LICENSED IN NORT	H CAROLINA.
CONTROL DEVICE ID NO: CONTROLS EN			MISSIONS FROM WHICH EMISSION SOURCE ID NO(S):					
EMISSION POINT ID NO(S):		POSITION IN S	SERIES OF	CONTROLS	N	0 OF	UNITS	
OPERATING SCENARIO:								
0	F							
DESCRIBE CONTROL SYSTEM	Л:							
POLLUTANT(S) COLLECTED:				_				
BEFORE CONTROL EMISSION	I RATE (LB/HR):							
	,						0/	
CAPTURE EFFICIENCY:				%	%	%	%	
CONTROL DEVICE EFFICIENC	CY:			%	%	%	%	
CORRESPONDING EFFICIENC	CY:			%	%	%	%	
EFFICIENCY DETERMINATION	CODE:							
TOTAL EMISSION RATE (LB/HI	R):					<del></del>		
INLET AIR FLOW RATE (ACFM	<u>,                                      </u>							
PRESSURE DROP (IN. H <sub>2</sub> O):	MIN	MAX		WARNING AL	ARM2	☐ YES	□ NO	
INLET TEMPERATURE (°F):	MIN	MAX	OUTLET	TEMPERATUR	_	MIN	MAX	
SIZE OF COMPARTMENTS (		WI U U	WIDTH:	TEIM EIGHTOR	· · · -	EIGHT:	DIAMETER	
METHOD OF ADSORPTION:	ONE-PASS REG	GENERATIVE		ONE-PASS N	ONREGEN	IFRATIVE		
METHOD OF ABOOK HOIK	RECIRCULATIN			OTHER:	OTTICE			
TYPE OF ADSORPTION MATERIAL:				NUMBER OF COMPARTMENTS:				
REGENERATIVE METHOD:	DISCARDED			CHEMICAL		HERMAL (DRY HE		
	THERMAL (STE	EAM)		OTHER:		`	,	
REGENERATIVE SCHEDUL	E MAX. TIME FOR	R DESORPTION	l:		LENGT	H OF TIME TO MA	AX. SATURATION:	
HOW ARE EMISSIONS CONTR	ROLLED DURING REC	GENERATION?	(Attach add	ditional sheets a	s necessar	y.):		
VOLATILE CONCENTRATIONS (PPMV) ENTERING UNIT:				LEAVIN	G UNIT:			
RELATIVE HUMIDITY OF AIR STREAM ENTERING UNIT (%):				ORIENTATION OF BEDS:				
BREAKTHROUGH CAPACITY (LB. VAPOR/LB. ADSORBENT):				BREAK <sup>-</sup>	THROUGH	ALARM?	ES NO	
CYCLE TIME: DESCRIBE MAINTENANCE PR	OCEDI IBES:							
DESCRIBE MAINTENANCE FR	OCEDORES.							
DESCRIBE ANY FIRE DETECT	ION DEVICES AND A	NY MEANS OF	FIRE SUP	PRESSION:				
DESCRIBE ANY MONITORING	DEVICES, GAUGES,	TEST PORTS,	ETC:					
DESCRIBE HOW REGENERAT	TON CYCLE IS INITIA	TED (e.g fixe	d time, ppn	n monitor, etc.):				
ON A SEPARATE PAGE, ATTA	CH A DIAGRAM OF T	HE RELATIONS	SHIP OF TH	HE CONTROL D	EVICE TO	ITS EMISSION S	OURCE(S):	