## FORM C3

## CONTROL DEVICE (THERMAL OR CATALYTIC)

REVISED 09/22/16 NCDEQ/Division of Air Quality - Application for Air Permit to Construct/Operate C					
AS REQUIRED BY 15A NCAC 2Q .0112, TH	IS FORM MUST BE	SEALED BY A PRO	FESSIONAL ENGINEE	R (P.E.) LICENSED IN N	ORTH CAROLINA.
CONTROL DEVICE ID NO:	CONTRO	LS EMISSIONS FRC	M WHICH EMISSION S	SOURCE ID NO(S):	
EMISSION POINT (STACK) ID NO(S):	POSITION	N IN SERIES OF CONTROLS NO OF UNITS			
MANUFACTURER:		MODEL NO:			
OPERATING SCENARIO:					
OF					
TYPE AFTERBURNER REGENERA	TIVE THERMAL OX	IDATION R	ECUPERATIVE THERM		CATALYTIC OXIDATION
EXPECTED LIFE OF CATALYST (YRS):	METHOD	OF DETECTING WH		S REPLACMENT:	
CATALYST MASKING AGENT IN AIR STREAN				OROUS COMPOUND	
		VEC			
DESCRIBE CONTROL SYSTEM, INCLUDING RELAT	ION TO OTHER CO	NTROL DEVICES A	ND SOURCES, AND A	TTACH DIAGRAM OF SY	STEM:
POLLUTANT(S) COLLECTED:					
BEFORE CONTROL EMISSION RATE (LB/HR):					
CAPTURE EFFICIENCY:		%	%	%	%
CONTROL DEVICE EFFICIENCY:		%	%	%	%
CORRESPONDING OVERALL EFFICIENCY:		%	%	%	%
EFFICIENCY DETERMINATION CODE:					
TOTAL AFTER CONTROL EMISSION RATE (LB/HR)	:				
PRESSURE DROP (IN. H <sub>2</sub> O): MIN MA	X	OUTLET TEN	/IPERATURE (°F):	MIN	MAX
NLET TEMPERATURE (°F): MIN MAX		RESIDENCE TIME (SECONDS):			
INLET AIR FLOW RATE (ACFM): (SCFM	COMBUSTION TEMPERATURE (°F):				
COMBUSTION CHAMBER VOLUME (FT <sup>3</sup> ):	INLET MOIS	INLET MOISTURE CONTENT (%):			
% EXCESS AIR:		CONCENTR	ATION (ppmv)	INLET	OUTLET
AUXILIARY FUEL USED:	TOTAL MAXIMUM FIRING RATE (MILLION BTU/HR):				
DESCRIBE MAINTENANCE PROCEDURES:					
DESCRIBE ANY AUXILIARY MATERIALS INTRODUC	CED INTO THE CON	TROL SYSTEM:			
COMMENTS:					
		(1	A - No		

Attach Additional Sheets As Necessary