



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION
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FOR APPLICANT'S USE

Revision #: _____
 Date: ____ / ____ / ____
 Page _____ of _____
 Source Designation: _____

SUPPLEMENTAL FORM AIR POLLUTION CONTROL EQUIPMENT AFTERBURNER (260B)	FOR AGENCY USE ONLY
	ID NUMBER: _____
	CONTROL EQUIPMENT#: _____
DATE: _____	

DATA AND INFORMATION	
1) FLOW DIAGRAM DESIGNATION OF AFTERBURNER: 	
2) FUEL USED IN BURNERS: <input type="checkbox"/> NATURAL GAS <input type="checkbox"/> FUEL OIL; NUMBER: _____ <input type="checkbox"/> OTHER, SPECIFY: _____	
3) BURNERS PER AFTERBURNER: _____ AT _____ (MILLION BTU/HR, EACH)	
4) MINIMUM COMBUSTION CHAMBER TEMPERATURE (DEGREES FAHRENHEIT): _____	
5) IS A CATALYST USED?: <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, CATALYST MATERIAL: _____	
6) EXPECTED FREQUENCY OF CATALYST REPLACEMENT: _____	7) DATE CATALYST WAS LAST REPLACED (MONTH/YEAR): _____ / _____
8) EXPLAIN DEGRADATION OR PERFORMANCE INDICATOR CRITERIA DETERMINING CATALYST REPLACEMENT: 	
9a) IS A HEAT EXCHANGER USED?: <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DESCRIBE: _____	
b) HEAT EXCHANGER SURFACE AREA (FT ²): _____	c) AVERAGE THERMAL EFFICIENCY (%): _____
10) DESCRIBE METHOD OF GAS MIXING USED: 	
11) RANGE OF RETENTION TIME: _____ TO _____ (SEC)	12) COMBUSTION CHAMBER LENGTH (FEET): _____

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

APPLICATION PAGE _____

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13) COMBUSTION CHAMBER CROSS SECTIONAL AREA (SQUARE FEET):

14) INLET EMISSION STREAM PARAMETERS:

	MAX	TYPICAL
PRESSURE (mmHG):		
HEAT CONTENT (BTU/SCF):		
OXYGEN CONTENT (%):		
MOISTURE CONTENT (%):		
ARE HALOGENATED ORGANICS PRESENT?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
ARE PARTICULATES PRESENT?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
ARE METALS PRESENT?	<input type="checkbox"/> YES	<input type="checkbox"/> NO

15) AFTERBURNER OPERATING PARAMETERS:

	DURING MAXIMUM OPERATION OF FEEDING UNIT(S)	DURING TYPICAL OPERATION OF FEEDING UNIT(S)
COMBUSTION CHAMBER TEMPERATURE (DEGREES FAHRENHEIT):		
INLET GAS TEMPERATURE (DEGREES FAHRENHEIT):		
INLET FLOW RATE (SCFM):		
EFFICIENCY (VOM REDUCTION):	(%)	(%)
EFFICIENCY (OTHER; SPECIFY CONTAMINANT: _____):	(%)	(%)

16) FOR THERMAL AFTERBURNERS, IS THE COMBUSTION CHAMBER TEMPERATURE CONTINUOUSLY MONITORED AND RECORDED? YES NO

17) FOR CATALYTIC AFTERBURNERS, IS THE TEMPERATURE RISE ACROSS THE CATALYST BED CONTINUOUSLY MONITORED AND RECORDED? YES NO

18) IS THE VOM CONCENTRATION OF EXHAUST MONITORED AND RECORDED? YES NO

19) IS THE OPERATION OF THE AFTERBURNER DISCONTINUED DURING THE NON-OZONE SEASON (SEPTEMBER 1 TO MAY 31)? YES NO