## BASIC APPLICATION FOR EQUIPMENT / AIR POLLUTION PERMIT OR CERTIFICATE OF OPERATION

FORM E001 03/2011

ı.	Name of Company McKee Foods Corporation (If corporation or LLC, name on file with Tennessee Secretary of State Corporate Re		code: 2052	2
3.	Company Official to Contact: John Sullivan		. <u>423-238-</u>	7111
		0 11 -1-1-	TNI	27245
5.	Mailing Address: P.O. Box 750  Street or P.O. Box	Collegedale  City	TN State	37315 Zip Code
	Street or P.O. Box	City	State	Zip Code
6.	Physical Location			
	(If different from line 5) 10260 McKee Road	Collegedale	TN	37315
	Street	City	State	Zip Code
7.	Application for:  Installation Permit  Initial Certificate of Op	eration	Certificate of (	Operation
	Previous Installation Permit or Certificate of Operation No.:			
8.	Type of equipment for which application is made:			
	Process Equipment (Form E010 or Form E010A)	reviously Submitted		Attached
	Fuel Burning Equipment (Form E011)	reviously Submitted		Attached
	☐ Incineration Equipment (Form E012) ☐ P	reviously Submitted		Attached
	Minor Pollution Source (Form E014) P (Less than 1000 lbs/yr and less than 10 lbs/day total uncontrolled contaminant	reviously Submitted emissions)		Attached
	The following forms are filed with this application: Form E011 (HWB1), Form E011 (HWB2), Form E110			
9.	Equipment Name: Water Heater No. 1, Water Heater No. 2			
10.	If application is for a Certificate of Operation (Initial or Renewal), are equipment or operation which <u>might</u> :	there any changes since previous	ous application	n in the
	A. Increase, decrease, or alter process materials, fuel, refuse type, etc.?	Yes No	1	RECEIVED
	B. Increase, decrease, or alter emissions or emission points?	Yes ✓ No	[]	UL 1 0 2024
11.	Process Weight, lb/hr, (Item 6 on Form E010), Incineration Rate, lb/hr, Rate, 1,000 Btu/hr, (Item 7C on Form E011):	, (Item 3C on Form E012), or	Fuel Burning	tanooga-Hamilton Count Politulion Control Bureau
	This is to certify that I am familiar with operations concerning this equ is true and complete to the best of my knowledge:	ipment and the information	provided on thi	s application
	Mail completed form to: CHATTANOOGA-HAMILTON COUNTY	XILL	Niva.	
	AIR POLLUTION CONTROL BUREAU	Nam	W	
		neering Group Manager (Architectur	al, Industrial & Envi	ronmental)
	Chattanooga, TN 37416-3638	John		
	Seeple 19. 19. 19. 19. 19. 19. 19. 19. 19. 19.	1/2/10		
	This form must be completely filled out before it will be processed	J Dai	е	

# BASIC APPLICATION FOR EQUIPMENT / AIR POLLUTION PERMIT OR CERTIFICATE OF OPERATION

FORM E001 03/2011

1.	Name of Company McKee Foods Corporation	2. NAICS C	Code: 2052	
	(If corporation or LLC, name on file with Tennessee Secretary of State Cor	porate Records Division)		
3.	Company Official to Contact: John Sullivan	4. Phone N	o. <u>423-238-7</u>	7111
_	Mailing Address: P.O. Box 750	Collegedale	TN	37315
5.	Street or P.O. Box		State	Zip Code
6.	Physical Location			
0.	(If different from line 5) 10260 McKee Road	Collegedale	TN	37315
	Street	City	State	Zip Code
7.	Application for:  Installation Permit  Initial Certifica	te of Operation Renewal	Certificate of C	peration
	Previous Installation Permit or Certificate of Operation	No.:		9.5
8.	Type of equipment for which application is made:			
	Process Equipment (Form E010 or Form E010A)	Previously Submitted		Attached
	Fuel Burning Equipment (Form E011)	Previously Submitted		Attached
	☐ Incineration Equipment (Form E012)	Previously Submitted		Attached
	Minor Pollution Source (Form E014) (Less than 1000 lbs/yr and less than 10 lbs/day total uncontrolled con	Previously Submitted		Attached
	The following forms are filed with this application: Form E011 (HWB1), Form E011 (HWB2), Form	E110		
9.	Equipment Name: Water Heater No. 1, Water Heater No. 2			
10.	If application is for a Certificate of Operation (Initial or Renews equipment or operation which <u>might</u> :	al), are there any changes since prev	ious application	n in the
	A. Increase, decrease, or alter process materials, fuel, refuse type	pe, etc.? Yes Vo		JUL 1 0 2024
	B. Increase, decrease, or alter emissions or emission points?	Yes You No	C	nattanooga-Hamilton Coul
11.	Process Weight, lb/hr, (Item 6 on Form E010), Incineration Rate, 1,000 Btu/hr, (Item 7C on Form E011):	te, lb/hr, (Item 3C on Form E012), o		ar Politikon Contasi Sasa
	This is to certify that I am familiar with operations concerning is true and complete to the best of my knowledge:	this equipment and the information	novided on this	s application
	Mail completed form to: CHATTANOOGA-HAMILTON COUNTY AIR POLLUTION CONTROL BUREAU 6125 Preservation Drive, Suite 140	Nain Engineering Group Manager (Architectur		ronmental)
	Chattanooga, TN 37416-3638	Engineering Group Wahager (Architectur		
	This form must be completely filled out before it will be processed	Ipa	te	

### FUEL BURNING EQUIPMENT APPLICATION A separate form must be filed for each stack or emission point.

1.	Name of Company:	McKee Foods Corpo As shown on Line 1 o					
2.	Equipment Name:	HWB1 (Water Heate Line 9 of Form E001	er) As shown on				
3.	Stack Designation:	TBD If there is more than c	one stack at this lo	cation, pi	rovide a wrii	tten or numeric designatio	n to identify
4.	Control Equipment Da	ta:					
	Emission	s Uncontrolled			Electros E104)	tatic Precipitator (Fil	e Form
	☐ Baghous	e (File Form E102)	)		Inertial S	Separators (File Form	n E105)
	☐ Wet Col	lecting Device (Fil	e Form E103)		Other (S	pecify):	
5.	Control Equipment Eff Enter the control equip E102, E103, E104, E10	ment efficiency for each	h pollutant emittea s if "A" is checked	l by this e in Item 4	equipment as 1.	determined on the appro	priate Form
	Other:	Pollutant Particulates PM <sub>10</sub> SO <sub>x</sub> NO <sub>x</sub> CO VOC		% Effi	iciency		
6.	Emissions Estimation:		File Form E110 j Fuel No.1	for each j	fuel used Fuel No.	2 Fuel N	To.3
	Particulate Matter (Form E110, Item 6) SO <sub>x</sub> (Form E110,	Uncontrolled Actual <sup>1</sup> Estimated <sup>2</sup> Uncontrolled Actual <sup>1</sup>	I I I	_bs/hr _bs/hr _bs/hr _bs/hr _bs/hr		Lbs/hr Lbs/hr Lbs/hr Lbs/hr Lbs/hr	Lbs/hr Lbs/hr Lbs/hr Lbs/hr Lbs/hr
	Item 7)	Estimated <sup>2</sup> Uncontrolled Actual <sup>1</sup> Estimated <sup>2</sup>	I I I	Lbs/hr Lbs/hr Lbs/hr Lbs/hr		Lbs/hr Lbs/hr Lbs/hr Lbs/hr	Lbs/hr Lbs/hr Lbs/hr Lbs/hr
	NO <sub>x</sub> (Form E110, Item 9E) Other Air	Uncontrolled Actual <sup>1</sup> Estimated <sup>2</sup> Uncontrolled	I I	opm opm opm Lbs/hr		ppm ppm ppm Lbs/hr	ppm ppm ppm Lbs/hr
	Contaminants (Specify)  1. Submit stace	Actual <sup>1</sup> Estimated <sup>2</sup> ck test report with full a e emissions using the fo	letails.	Lbs/hr Lbs/hr		Lbs/hr Lbs/hr	Lbs/hr Lbs/hr
	Estimat		100%-Control Eff 100%	iciency (	%) x	Uncontrolled Emissions	

Equipment Name: HWB1

Company Name: McKee Foods Corporation

		(%) Fycess	Air																			
		Heating Content	of Fuel	1,020	Btu/CF	,0																
		Content	Ash	Neg	in o															er. Jel supplier.		
ion:		Percent Content	Sulfur	%u 0 /																the fuel suppli		
Date of Installation:		ıption	Annual		Ì													ler,	,	obtained from nay be obtair	Other (Describe)	(annama)
Date		Fuel Consumption	Max.															dividual boi		ion may be information	Other	ion o
		Fu	Ave.															sent each in		/yr nis informat U/ft³ – This	٠	70
		Type of	Firing	Direct														number to repre	greater.	/hr, or ft³/hr. /yr, gal/yr, or ft³ be included – Tl BTTU/gal, or BT	December Hosting	Occas Healin
		Rated Capacity	10° B 1 U/nr. Input															list a separate code number to represent each individual boiler,	acity, whichever is g	used in tons/hr, gal/hr, or ft³/hr. used in tons/hr, gal/hr, or hef lused in tons/yr, gal/yr, or it of each fatel must be included—in fuel in BTU/ton, BTU/gal, or I	- C	+
			Type	Natural															im input capacity	of each fuel use imption of each d ash content of ontent of each fi	0	Space nearing
infacture.				Primary:	Operating —	Fuel(s) Standhy:	Fuel(s)	used III	entergency only	Primary:	Normal	Operating	Fuel(s)	Standby: Fuel(s)	used in	emergency	only	If more than one boiler per stack,	Constitution and the state of firms for each first used	openty the type of timing the each fuel used in tons/hr, gal/hr, or ft³/hr. Indicate consumption of each fuel used in tons/hr, gal/hr, or ft³/yr. Indicate annual consumption of each fuel used in tons/yr, gal/yr, or ft³/yr. The average sulfur and ash content of each fuel must be included — This information may be obtained from the fuel supplier. Indicate the heating content of each fuel in BTU/ton, BTU/gal, or BTU/ft³ — This information may be obtained from the fuel supplier.		
Date of Manufacture.	The same	Boiler	No.	HWB1															C Giv			

8.	Emissions In	npact: ssions indicated in Item 6 mat at tim	es under normal opera	ting co	nditions cause (check one or more):
		Odors			Health Effects
		Eye Irritations			Other nuisances outside of plant property
		Property Damage			No environmental damage
9.	Emission Po	int Data:			
	Ground Stack Di Volume	eight (emission point) above Elevation above sea level at a iameter: of gas discharged into atmos temperature:	stack base:		Ft Ft Ft Cfm °F
10.	Average Equ	nipment Operating Time:	Daily: Weekly: Yearly:		Hours Days Weeks
	Mail to: CHATTA COUNTY CONTRO	w that I am familiar with the operation to the best of my knowledge. The ANOOGA-HAMILTON Y AIR POLLUTION DL BUREAU servation Drive oga, TN 37416	ons concerning this equ is form must be compl	aipment etely fii	Title  Date  Tand that the information provided on this application is  White  Application is  The applica
			Do not write below	v this	line
		Engineer Approval			
		Lbs/hr Allowable particu	late emissions		
		Lbs/10 <sup>6</sup> BTU allowable S	SO <sub>x</sub> emissions		
		ppm allowable NO <sub>x</sub> emis	sions		
	UTM Coord	linate of Company:	EW		NS
	This form co	orresponds to permit number:	:		
	Special Nota	ations:			

### FUEL BURNING EQUIPMENT APPLICATION A separate form must be filed for each stack or emission point.

1.	Name of Company:	McKee Foods Corporat  As shown on Line 1 of F					
2.	Equipment Name:	HWB2 (Water Heater) Line 9 of Form E001	As shown on				
3.	Stack Designation:	TBD  If there is more than one each stack.	e stack at this loc	ation, pr	rovide a wri	tten or numeric designa	tion to identify
4.	Control Equipment Da	ta:					
	■ Emission	ns Uncontrolled			Electros E104)	tatic Precipitator (F	ile Form
	☐ Baghous	e (File Form E102)			Inertial S	Separators (File Fo	rm E105)
	☐ Wet Col	lecting Device (File	Form E103)		Other (S	pecify):	
5,	Control Equipment Eff Enter the control equip E102, E103, E104, E10	ficiency: ment efficiency for each p 95, E107, or enter zeros if	ollutant emitted "A" is checked t	by this e in Item 4	equipment as 1.	determined on the app	ropriate Form
	Other:	Pollutant Particulates PM <sub>10</sub> SO <sub>x</sub> NO <sub>x</sub> CO VOC		% Effi	iciency		
6.	Emissions Estimation:		ile Form El 10 fo Tuel No. I	or each j	fuel used Fuel No	2 Fue	l No.3
	Particulate Matter (Form E110, Item 6) SO <sub>x</sub> (Form E110, Item 7)	Uncontrolled Actual <sup>1</sup> Estimated <sup>2</sup> Uncontrolled Actual <sup>1</sup> Estimated <sup>2</sup> Uncontrolled	L L L L L	bs/hr bs/hr bs/hr bs/hr bs/hr bs/hr		Lbs/hr Lbs/hr Lbs/hr Lbs/hr Lbs/hr Lbs/hr	Lbs/hr Lbs/hr Lbs/hr Lbs/hr Lbs/hr Lbs/hr
	PM <sub>10</sub> NO <sub>x</sub> (Form E110, Item 9E)	Actual <sup>1</sup> Estimated <sup>2</sup> Uncontrolled Actual <sup>1</sup> Estimated <sup>2</sup>	L p p	.bs/hr .bs/hr pm pm pm		Lbs/hr Lbs/hr ppm ppm ppm	Lbs/hr Lbs/hr ppm ppm ppm
	Other Air Contaminants (Specify)  1. Submit state 2. Estimate the	Uncontrolled Actual  Estimated  ck test report with full deta the emissions using the form	L L L ails.	.bs/hr .bs/hr .bs/hr		Lbs/hr Lbs/hr Lbs/hr	Lbs/hr Lbs/hr Lbs/hr
	Estimat		0%-Control Effi 100%	ciency ('	%) x	Uncontrolled Emission	ns

HWB2

Equipmen

Company Name: McKee Foods Corporation

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ime:	
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ent	

Date of Manufacture:					Date c	Date of Installation:	ion:			
Boiler	Fuel	Rated Capacity	-	Fuel C	Fuel Consumption	tion	Percent	Percent Content	Heating Content	(%) Fvcess
No.	Type	IO' BIU/nr. Input	Firing	Ave. N	Max.	Annual	Sulfur	Ash	of Fuel	Air
HWB2 Normal Operating	Natural	1	Direct				< 0.5%	Neg.	1,020 Btu/CF	
Fuel(s)										
Standby: Fuel(s) used in										
emergency only										
Primary:										
Operating Fuel(s)										
Standby: Fuel(s)										
used in				-						
only										
	Ler per stack,	, list a separate cod acity, whichever is	e number to represei s greater.	nt each individ	dual boile	r.				
<ul> <li>Specify the type of firing for each fuel used.</li> <li>Indicate consumption of each fuel used in tons/hr, gal/hr, or ft²/hr.</li> <li>Indicate annual consumption of each fuel used in tons/hr, gal/yr, or ft²/yr.</li> <li>Indicate annual consumption of each fuel used in tons/yr, gal/yr, or ft²/yr.</li> <li>The average sulfur and ash content of each fuel must be included – This information may be obtained from the fuel hardicate the heating content of each fuel in BTU/fon, BTU/gal, or BTU/ft² – This information may be obtained from the fuel</li> </ul>	īring for each in of each fue sumption of e ind ash conter content of ea	h fuel used. I used in tons/hr, g ach fuel used in to nt of each fuel mus ch fuel in BTU/ton	Specify the type of firing for each fuel used.  Indicate consumption of each fuel used in tons/hr, gal/hr, or ft³/hr.  Indicate annual consumption of each fuel used in tons/yr, gal/yr, gal/yr,  The average sulfur and ask content of each fuel must be included. This information may be obtained from the fuel supplier.  The average sulfur and ask content of each fuel in BTU/ton, BTU/gal, or BTU/ft³. This information may be obtained from the fuel supplier.	r. s information n ft³ – This info	may be ob rmation п	vtained from nay be obtair	the fuel suppl and from the f	ier. ùel supplien.		
	Space	ce Heating   P	Process Heating	0	)ther (D	Other (Describe)				
Percent (%)of Load Used										

8.	Emissions In Those emis		es under normal opera	iting co	nditions cause (check one or more):
		Odors			Health Effects
		Eye Irritations			Other nuisances outside of plant property
		Property Damage			No environmental damage
9.	Emission Po	int Data:			
	Ground Stack Di Volume	eight (emission point) above Elevation above sea level at iameter: of gas discharged into atmos temperature:	stack base:		Ft Ft Ft Cfm °F
10.	Average Equ	nipment Operating Time:	Daily: Weekly: Yearly:		Hours Days Weeks
	Mail to: CHATTA COUNTY	o that I am familiar with the operation to the best of my knowledge. The ANOOGA-HAMILTON Y AIR POLLUTION OL BUREAU servation Drive	ons concerning this eq is form must be compl	uipmen letely fi	Company Official  Title
	Chattano	oga, TN 37416			Date 1/9/24
			Do not write belo	w this	line
		Engineer Approval			
		Lbs/hr Allowable particu	late emissions		
		Lbs/106 BTU allowable S	SO <sub>x</sub> emissions		
		ppm allowable NO <sub>x</sub> emis	ssions		
	UTM Coord	linate of Company:	EW		NS
	This form co	orresponds to permit number	:		
	Special Nota	ations:			

#### POLLUTION ESTIMATION FORM

(Fuel Burning Equipment)

FORM E110 01/2002

1.	Name of Company:	McKee Foods Corpo	oration		
	rumo er eemp meg.		(As shown on Li	ine 1 of Form E001)	
2.	Equipment Name:	HWB1			
	• •		(As shown on Li	ne 10 of Form E001)	
3.	Percent excess air use	ed in fuel burning (mak	ke allowances for leaks a	round doors and other openings):	
4.	Type of Fuel (file Fo	rm E110 for each fuel	used): Natural Gas (Prop	ane as backup fuel)	
5.	Sauras of Emission I	EngtowarEDA AD 42 Se	ection 1.4 & Section 1.5		
	Source of Emission 1	actors. <u>El A At -42,</u> 30	cuon 1.4 de decisión 1.5		
6.	Uncontrolled Particu	late Emission Rate:	See Attachment 2 of appl	ication	
	Particulate Em	ission Factor:			
		-	(lbs/ton; lbs/10 <sup>3</sup> gal; lbs/10 <sup>6</sup> ft <sup>3</sup> )		
		X	Washington to the D	Uncontrolled Particulate Emission	Lbs/hr
	Maximum Fuel C (tons/hr; ga		Particulate Emission Factor	Rate	
7.₂	Uncontrolled Sulfur Rate:	Oxide (SO <sub>x</sub> ) Emission	See Attachment 2 of ap	plication	
	SO <sub>x</sub> Emission	Factor			
	SO <sub>x</sub> Emission	Lbs/to	n; lbs/10 <sup>3</sup> gal; lbs/10 <sup>6</sup> ft <sup>3</sup>		
		X		=	Lbs/hr
	Maximum Fuel C (tons/hr; ga	onsumption Rate l/hr; ft³/hr)	SO <sub>x</sub> Emission Factor	Uncontrolled SO <sub>x</sub> Emission Rate	
8.	Uncontrolled Hydro	carbon (HC) Emission	Rate: See Attachment 2	of application	
	HC Emission I	Factor:	on; lbs/10 <sup>3</sup> gal; lbs/10 <sup>6</sup> ft <sup>3</sup>		
					T ha/hu
	Maximum Fuel C	Consumption Rate	HC Emission Factor	Uncontrolled HC Emission Rate	Lbs/hr
	(tons/hr; ga	l/hr; ft³/hr)			
9.	Uncontrolled Nitrog	en Oxides (NO <sub>2</sub> ) Emis	ssion Rate: See Attachme	ent 2 of application	
	A. NO <sub>x</sub> Emission	Lbs/	ton; lbs/10 <sup>3</sup> gal; lbs/10 <sup>6</sup> ft <sup>3</sup>		
	В	X		=	Lbs/hr
	Maximum Fuel (tons/hr;	Consumption Rate gal/hr; ft³/hr)	NO <sub>x</sub> Emission Factor	Uncontrolled NO <sub>x</sub> Emission Rate	

	Cubic feet per hour (CFH) of Exh	aust Gases at 15% Excess Air:	
A.	V X See Table A Maximum I	uel Consumption Rate Exhaus	CFH st Rate
В	Uncontrolled NO <sub>x</sub> (Item 9B)	CFH of Exhaust Gas (Item 10A)	=
C.	$PPM = (8.37 \times 10^6) X$	$\frac{1.27 \times 10^{-5}}{\text{Lb/ft}^3 \text{ NO}_x \text{ (Item 10B)}} = \frac{1.27 \times 10^{-5}}{1.27 \times 10^{-5}}$	PPM at STP and 15% Excess Air (NO <sub>x</sub> calculated as NO <sub>2</sub> )
	Table A Fuel Bituminous Coal Fuel Oil Natural Gas Wood	V 11700 11400 11200 12800	
		tions concerning this equipment and that the	information provided on this application is true and
compl	Mail to:  CHATTANOOGA-HAMILTON ( AIR PULLUTION CONTROL BU 6125 Preservation Drive Chattanooga, TN 37416	OUNTY REAU	Company Manager - AI&E
compl	Mail to:  CHATTANOOGA-HAMILTON CAIR PULLUTION CONTROL BU 6125 Preservation Drive	OUNTY REAU	Company Official
compl	Mail to:  CHATTANOOGA-HAMILTON ( AIR PULLUTION CONTROL BU 6125 Preservation Drive Chattanooga, TN 37416	OUNTY REAU	Company official  Ingineering Group Manager - AI&E  Title  Date
comple	Mail to:  CHATTANOOGA-HAMILTON CAIR PULLUTION CONTROL BU 6125 Preservation Drive	OUNTY REAU	Company Official  Ingineering Group Manager - AI&E  Title  Date

#### POLLUTION ESTIMATION FORM

(Fuel Burning Equipment)

FORM E110 01/2002

1.	Name of Company:	McKee Foods Corpor	ation		
1.	rume or company.	-	(As shown on Line 1	of Form E001)	
		HWB2			
2.	Equipment Name:	HWB2	(As shown on Line 10	of Form E001)	
			(110 0110 111 011 011 011 011	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
3.	Percent excess air use	ed in fuel burning (make	e allowances for leaks aroun	d doors and other openings):	
1	Tymo of Fuel (file Fo	rm F110 for each fiel u	sed): Natural Gas (Propane	as backup fuel)	
4.	Type of Fuel (the Fo	In Ello for cach fuci u	seu). Ivaturar Gas (Fropane	as backup raer)	<del></del>
5.	Source of Emission F	Factors: EDA AD 42	Section 1.4 & Section 1.5		
	Source of Emission 1	era Ar-42	, Section 1.4 & Section 1.5		
6.	Uncontrolled Particu	late Emission Rate: So	ee Attachment 2 of applicat	ion	
	Particulate Em			_	
		(I	bs/ton; lbs/103 gal; lbs/106 ft3)		
		X	=		Lbs/hr
	Maximum Fuel Co		Particulate Emission	Uncontrolled Particulate Emission	
	(tons/hr; gal	/hr; ft³/hr)	Factor	Rate	
7,		Oxide (SO <sub>x</sub> ) Emission	See Attachment 2 of applic	ation	
	Rate:				
	SO <sub>x</sub> Emission I	Factor:	; lbs/10 <sup>3</sup> gal; lbs/10 <sup>6</sup> ft <sup>3</sup>	=.:	
		Los/ton;	; ibs/10° gai; ibs/10° it		
		X	=		Lbs/hr
	Maximum Fuel Co		SO <sub>x</sub> Emission Factor	Uncontrolled SO <sub>x</sub> Emission Rate	
	(tonorm, gas				
8.	Uncentrolled Hydrox	oarbon (UC) Emission F	Rate: See Attachment 2 of a	nnlication	
٥.	Uncontrolled Hydroc	Zaroon (TTC) Emission F	Cate. See Attachment 2 of a	pphounon	
	HC Emission F		; lbs/10 <sup>3</sup> gal; lbs/10 <sup>6</sup> ft <sup>3</sup>	<b>-</b> 0	
		Los/ton,	, ibs/10 gai, ibs/10 it		
		X	=		Lbs/hr
	Maximum Fuel C	onsumption Rate	HC Emission Factor	Uncontrolled HC Emission Rate	
	(tonorm, ga				
0	Unaantralled Nitrog	on Ovides (NO.) Emiss	ion Rate: See Attachment 2	of application	
9.	Uncontrolled Middge	en Oxides (140x) Ennissi	ion Raic. See Attachment 2	or application	
	A. NO <sub>x</sub> Emission	Factor:	n; lbs/10 <sup>3</sup> gal; lbs/10 <sup>6</sup> ft <sup>3</sup>	<b>=</b>	
		LDS/to	n, ios/10° gai, ios/10° it		
	В	X		·	Lbs/hr
		Consumption Rate gal/hr; ft³/hr)	NO <sub>x</sub> Emission Factor	Uncontrolled NO <sub>x</sub> Emission Rate	
	(10115/111, §	5um, a m,			

Cubic feet per hour (CFH) of Ex	thaust Gases at 15% Excess Air:
A. V X Maximum	Fuel Consumption Rate Exhaust Rate  106 BTU/hr
B. Uncontrolled NO <sub>x</sub> (Item 9B)	$\div \frac{1.27 \times 10^{-5}}{\text{CFH of Exhaust Gas (Item 10A)}} = \frac{1.27 \times 10^{-5}}{\text{Lb/ft}^3 \text{ NO}_x}$
C. PPM = $(8.37 \times 10^6)$ X	$\frac{1.27 \times 10^{-5}}{\text{Lb/ft}^3 \text{ NO}_x \text{ (Item 10B)}} = \frac{106.2}{\text{PPM at STP and 15\% Excess Air (NO}_x \text{ calculated as NO}_2)}$
Table A Fuel Bituminous Coal Fuel Oil Natural Gas Wood	V 11700 11400 11200 12800
This is to certify that I am familiar with the ope complete to the best of my knowledge. This for Mail to:  CHATTANOOGA-HAMILTON AIR PULLUTION CONTROL B 6125 Preservation Drive Chattanooga, TN 37416	Engineering Group Manager - AI&E
	/ / Title
	Do Not Write Below This Line
Engineer Approval	Do Not Write Below This Line
Engineer Approval  This form corresponds to permit number:	Do Not Write Below This Line