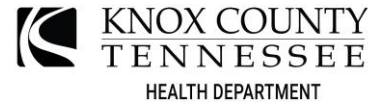


Knox County Department of Air Quality Management
 Non-Title V Permit Application
 APC-10 Form: Oven Source Data
 (Please Type or Print)



Please fill out a form for each oven				
1. Business information:			Air Quality Use Only	
Business license name of corporation, company, individual owner, or governmental agency under which the application is submitted				
2. Emission unit name:			Emission Unit Number	
3. Describe articles processed:				
4. Operating schedule:				
Hours per day	Days per week	Weeks per year	Days per year	
5. Percentage of yearly operation that occurs during the following quarters: (total must equal 100%)				
Dec-Jan-Feb	Mar-April-May	June-July-Aug	Sept-Oct-Nov	
6. Oven data:				
Oven manufacturer	Model number	Date constructed or last modified		
Method of heating: <input type="checkbox"/> Direct fire <input type="checkbox"/> Indirect fire <input type="checkbox"/> Electric <input type="checkbox"/> Steam <input type="checkbox"/> Other (describe):				
Type of operation:	Normal batch time	Average batches per day	Maximum batches per day	Burner rated input capacity (10 ⁶ BTU/hr)
<input type="checkbox"/> Continuous				
<input type="checkbox"/> Batch				
What other equipment is used in conjunction with this oven?				
7. Process material inputs and in-process solid fuels: (if the oven is part of a paint, varnish or lacquer operation or part of a process source for which an APC-2 Form: Process or Fuel Burning Source has been completed, this item may be left blank)				
Process material input or in-process solid fuel	Diagram reference*	Input rates (lbs/hour)		
		Average	Maximum	
A.				
B.				
C.				
D.				
E.				
F.				
Totals				
* A simple process flow diagram must be attached				

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8. Exhaust stack data: (complete for each vent/stack and attach additional sheets if necessary)						
Height above grade (ft)	Diameter (ft)	Temperature (°F)	Direction of Exit (up, down, or horizontal)		Distance to nearest property line (ft)	
Data at exit conditions:	Flow (actual ft ³ /min)	Velocity (ft/sec)	Moisture (grains/ft ³)		Moisture (percent)	
Emission units that share this stack:						
9. Oven fuel data: (complete for direct and indirect heated ovens, leave blank for electric or steam heated ovens)						
Primary fuel type (specify)				Standby fuel type (specify)		
Fuels used	Annual usage	Hour usage		% Sulfur	% Ash	BTU Value of fuel
		Design	Average			
Natural Gas	10 ⁶ ft ³	ft ³	ft ³			1,020 BTU/ft ³
#2 Fuel Oil	10 ³ gal	gal	gal			
Liquid Propane	10 ³ gal	gal	gal			91,500 BTU/gal
Other (specify type & units)						
10. Air contaminants: (if the oven is part of a paint, varnish or lacquer operation, this item should be left blank)						
Emission estimates for each air contaminant emitted from this point should be based on stack sampling results or engineering calculations. Calculations should be attached on a separate sheet.						
Air Contaminants	Actual Emissions			Emission Estimate Method Code**	Control Devices**	Control Efficiency (%)
	Emissions (lbs/hr)		Concentration			
	Average	Maximum				
Particulate matter			gr/dscf [†]			
Sulfur dioxide (SO ₂)			PPM			
Carbon Monoxide (CO)			PPM			
Volatile organic compounds (VOC)			PPM			
Nitrogen Oxides (NO _x)			PPM			
Lead (Pb)						
Hydrogen Fluoride (HF)						
Hydrogen chloride (HCL)						
Greenhouse gases (CO ₂ equivalents)						

(Continued on next page)

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(Continued from last page)							
Air Contaminants	Actual Emissions				Emission Estimate Method Code**	Control Devices**	Control Efficiency (%)
	Emissions (lbs/hr)		Concentration	Average Emissions (tons/yr)			
	Average	Maximum					
Hazardous air pollutant (specify)							
Hazardous air pollutant (specify)							
Other (specify)							
Other (specify)							

** Refer to APC-1 Form: General Information for tables of estimation method and control device codes

† Exit gas particulate matter concentration units: grains/dry standard ft³ (70°F)

11. Compliance demonstration and monitoring/recording devices:

Description of proposed monitoring and recordkeeping to assure compliance with emission limits, include operating parameters of source and/or control device being monitored (temperature, pressure drop, etc.).

Check all attached monitoring and recording devices: No monitor Pressure drop gauge Temperature gauge Electronic data logger Strip chart Other (describe):

12. Comments

13. Based upon information and belief formed after a reasonable inquiry, I certify that the information contained in this application is accurate and true to the best of my knowledge.

Signature of responsible official	Date of application
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