

Knox County Department of Air Quality Management

Non-Title V Permit Application

APC-3 Form: Source Emission Data

(Please Type or Print)



Please fill out a form for each stack or emission source							
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. Brief emission point description: (attach sketch if appropriate)							
4. Stack or emission point data:							
Height above grade (ft)	Diameter (ft)	Temperature (°F)	% time over 125 °F	Direction of exit (up, down, or horizontal)			
Emission point location:	Latitude		Longitude		Distance to nearest property line (ft)		
Data at exit conditions:	Flow (actual ft ³ /min)		Velocity (ft/sec)	Moisture (grains/ft ³)	Moisture (percent)		
Data at standard conditions:	Flow (dry standard ft ³ /min)		Velocity (ft/sec)	Moisture (grains/ft ³)	Moisture (percent)		
5. Air contaminants:							
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 Contaminant	Actual Emissions				Emission Estimate Method Code*	Control Devices*	Control Efficiency (%)
	Emissions (lbs/hr)		Concentration	Average Emissions (tons/yr)			
	Average	Maximum					
Particulate matter			**				
Sulfur dioxide (SO ₂)			***				
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)							
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Air Contaminant	Actual Emissions				Emission Estimate Method Code*	Control Devices*	Control Efficiency (%)
	Emissions (lbs/hr)		Concentration	Average Emissions (tons/yr)			
	Average	Maximum					
Hazardous air pollutant (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: Process Emission Sources – grains/dry standard ft³ (70°F) and Fuel Burning Sources - lbs/Million BTU heat input
 *** Exit gas sulfur dioxide concentration units: Process Emission Sources – PPM by volume (dry basis) and Fuel Burning Sources - lbs/Million BTU heat input

6. 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 (e.g., opacity, flow rate, temperature, pressure drop, etc.).

Check all attached monitoring and recording devices:	<input type="checkbox"/> No monitor <input type="checkbox"/> Opacity monitor <input type="checkbox"/> SO ₂ monitor <input type="checkbox"/> NO _x monitor <input type="checkbox"/> Strip chart <input type="checkbox"/> Pressure drop gauge <input type="checkbox"/> Temperature gauge <input type="checkbox"/> Electronic data logger <input type="checkbox"/> Other (describe):
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7. Comments

8. 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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