



Louisville Metro Air Pollution Control District

Form: AP-1408

Electrostatic Precipitator

Mail Application To:
Louisville Metro APCD
850 Barret Avenue
Louisville, KY 40204

Application For Permit To Construct, Reconstruct, Install, Modify, or Operate Process or Process Equipment

(502) 574-6000
FAX: (502) 574-5137
www.louisvilleky.gov/apcd

Section A: Owner/Operator Information

Business Name of Owner /Operator To Appear On The Permit:

Owner's Business Name (only if different from Business Name of Owner/Operator):

Section B: Equipment Location

Equipment Location Address:

Street Address

City _____ State KY Zip Code _____ - _____

Responsible Official Name: _____

Responsible Official Title: _____

Phone: _____

Fax: _____

E-Mail: _____

Section C: Permit Mailing Address

Permit and Correspondence information:

Check here if same as equipment location address.

Street Address

City _____ State _____ Zip Code _____ - _____

Contact Name: _____

Contact Title: _____

Phone: _____

Fax: _____

E-Mail: _____

Section D: Application Type

Reason for Submitting Application (Select all that apply):

- New Construction /Installation
- Change of Ownership
- Modification
- Change of Location
- Reconstruction
- Administrative Change
- Operation

Date of Construction, Modification, Installation or Operation:

(MM/DD/YYYY)

Estimated Start Date: _____

Actual Start Date: _____

In accordance with District regulations 2.03, Section 1, you may not construct, install, modify, or operate an affected facility unless a permit has been issued by the District (LMAPCD). Please complete all requested information in this application. Incomplete applications may result in denial of issuing a permit to construct and operate process or process equipment.

Section E: Facility Business Information

What type of business is being conducted at this equipment location?

SIC Code

Section F: Authorization/Signature

I hereby certify that all information contained herein and information submitted with this application is true and correct.

Signature of Responsible Official:

Title:

Print Name:

Date:

LMAPCD
Use Only

Application Tracking #:

Assigned Engineer:

Permit No(s):

Plant ID #:

NAICS Code:

Section G: Equipment Information			
Manufacturer:	Model:	Serial Number:	
Type: <input type="checkbox"/> Wet Single-Stage <input type="checkbox"/> Dry Single-Stage <input type="checkbox"/> Other (Specify): <input type="checkbox"/> Wet Two-Stage <input type="checkbox"/> Dry Two-Stage			
Are there gas distribution grids ? <input type="checkbox"/> YES <input type="checkbox"/> NO			
If YES, describe the gas distribution grids:			
Design Inlet Volume:	scfm	Maximum Operating Temperature:	° F
Particulate Removal Efficiency:	%		
Attach the manufacturer's specification sheet including recommended operating range data (currents, voltages, etc.) and the particle size removal efficiency curve and basis of determination.			
Section H: Collecting Surface Information			
Total Collecting Surface Area:	square feet		
Number of Fields:		Number of Collector Plates Per Field:	
Collector Plate Length:	feet	Collector Plate Width:	feet
Aspect Ratio:			
Spacing Between Collector Plates:	inches	Total Discharge Electrode Length:	feet
Number of Discharge Electrodes:			
Number of Collecting Electrode Rappers:			
Rapper Control:	<input type="checkbox"/> Magnetic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Other (Specify):		
Minimum Apparent Migration Velocity:	feet/minute		
Section I: Gas Stream Information			
Maximum Inlet Volumetric Gas Flow Rate:	acfm at	° F	
Maximum Outlet Volumetric Gas Flow Rate:	acfm at	° F	
Maximum Gas Velocity:	feet/sec	Residence Time:	minutes
Inlet Gas Temperature:	° F	Outlet Gas Temperature:	° F
Dew Point at Maximum Moisture Content of Gas Stream:	° F	pH of Gas Stream:	
Pressure Drop Across Electrostatic Precipitator:	inches water		
Describe Equipment to Measure Pressure Drop:			
Section J: Contaminant Information			
Percent of Each Contaminant in the Waste Gas and Removal Efficiency			
If more than five contaminants are present, attach additional copies of this page as needed.			
Contaminant	CAS Number	Percent of Waste Gas	Removal Efficiency
		%	%
		%	%
		%	%
		%	%
		%	%

Section K: Resistivity Information			
Dust Resistivity:	ohm-cm	Will resistivity vary?	<input type="checkbox"/> YES <input type="checkbox"/> NO
If YES, describe how resistivity will vary:			
Power Requirements:	kw		
Section L: Transformer Rectifier Set Information			
Type of Rectifier:			
If there are more than five transformer rectifier sets, attach additional copies of this page as needed.			
Number and Size of Transformer Rectifier Sets by Electrical Field			
Field Number	Number of Sets	Each Transformer KVA	Each Rectifier KV Avg./Peak Ma DC
Section M: Current Information			
Current Density:	micro amperes/ft²		
Corona Power:	Watts/1000 ACFM		
Corona power Density:	Watts/ft²		
Section N: Flue Gas Conditioning Information			
Is there a flue gas conditioning system ? <input type="checkbox"/> YES <input type="checkbox"/> NO			
If YES, complete the following. If NO, proceed to Section O.			
Describe the Flue Gas Conditioning System:			
Section O: Hopper Information			
Is the hopper heated ?	<input type="checkbox"/> YES <input type="checkbox"/> NO	Is there a Hopper Vibrator?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Describe how collected material is treated or disposed of:			
Section P: Stack Information			
Stack Height Above Grade:	feet	Stack Exit Diameter:	feet <i>(Provide stack dimensions if rectangular stack)</i>
Is a stack cap present? <input type="checkbox"/> YES <input type="checkbox"/> NO			
Stack Configuration: <input type="checkbox"/> Vertical <input type="checkbox"/> Horizontal <input type="checkbox"/> Downward – Venting <i>(Check all that apply)</i> <input type="checkbox"/> Other (Specify):			
Stack Exit Gas Temperature:	° F	Stack Exit Gas Flow Rate:	ACFM
Distance to Nearest Property Line:	feet	Describe Nearest Obstruction:	
Height of Nearest Obstruction:	feet	Distance to Nearest Obstruction:	feet
Are stack sampling ports provided? <input type="checkbox"/> YES <input type="checkbox"/> NO			

