



Louisville Metro Air Pollution Control District

Form: AP-2408 Grain Terminal, Elevator & Drying

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

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

(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 KY State 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: General Information

- Types of Grain Handling Activities:
- Receiving: Truck Unloading
 - Receiving: Barge Unloading
 - Transferring and Conveying: Elevator Head (Head house)
 - Transferring and Conveying: Storage Bin Vents
 - Grain Processing: Scales (Micro units)
 - Grain Processing: Pellet Coolers
 - Grain Drying
 - Shipping (Load Out): Truck Loading Railcar Loading
 - Other (Specify):
 - Receiving: Railcar Unloading
 - Transferring and Conveying: Receiving Elevator Leg
 - Transferring and Conveying: Garner
 - Transferring and Conveying: Turning
 - Grain Processing: Mixers
 - Screening and Cleaning
 - Shipping (Load Out): Truck Loading
 - Shipping (Load Out): Barge Loading

Year Facility Installed:

Permanent Grain Storage Capacity: _____ bushels

Section H: Grain Receiving Information

If grain receiving activities do not occur, proceed to Section I.

Types of Vehicles Unloaded and Grain Received (check all that apply)

If there are more than three combinations of vehicles unloaded and grain received, attach additional copies of this page as needed.

Type of Vehicle Unloaded	Type of Grain Unloaded	Method of Unloading	Grain Density (lb/bushel)	Maximum Quantity Unloaded (tons/hour)	Maximum Quantity Unloaded (Tons/year)
<input type="checkbox"/> Straight Truck <input type="checkbox"/> Hopper Truck <input type="checkbox"/> Rail: Boxcar <input type="checkbox"/> Rail: Hopper Car <input type="checkbox"/> Continuous Barge <input type="checkbox"/> Marine Leg <input type="checkbox"/> Ship <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Rye <input type="checkbox"/> Barley <input type="checkbox"/> Flax Seed <input type="checkbox"/> Sorghum <input type="checkbox"/> Soybeans <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Conveyor <input type="checkbox"/> Pneumatic <input type="checkbox"/> Gravity Dump <input type="checkbox"/> Other (Specify):			
<input type="checkbox"/> Straight Truck <input type="checkbox"/> Hopper Truck <input type="checkbox"/> Rail: Boxcar <input type="checkbox"/> Rail: Hopper Car <input type="checkbox"/> Continuous Barge <input type="checkbox"/> Marine Leg <input type="checkbox"/> Ship <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Rye <input type="checkbox"/> Barley <input type="checkbox"/> Flax Seed <input type="checkbox"/> Sorghum <input type="checkbox"/> Soybeans <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Conveyor <input type="checkbox"/> Pneumatic <input type="checkbox"/> Gravity Dump <input type="checkbox"/> Other (Specify):			
<input type="checkbox"/> Straight Truck <input type="checkbox"/> Hopper Truck <input type="checkbox"/> Rail: Boxcar <input type="checkbox"/> Rail: Hopper Car <input type="checkbox"/> Continuous Barge <input type="checkbox"/> Marine Leg <input type="checkbox"/> Ship <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Rye <input type="checkbox"/> Barley <input type="checkbox"/> Flax Seed <input type="checkbox"/> Sorghum <input type="checkbox"/> Soybeans <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Conveyor <input type="checkbox"/> Pneumatic <input type="checkbox"/> Gravity Dump <input type="checkbox"/> Other (Specify):			

Number of Receiving Areas at this Facility:

Maximum Hourly Grain Throughput of All Receiving Areas: _____ bushels

Describe grain receiving equipment:

Section I: Grain Transferring and Conveying Information

If grain transferring and conveying activities do not occur, proceed to Section J.

If there are more than three types of grain transferred or conveyed, attach additional copies of this page as needed.

Type of Grain	Maximum Quantity Transferred or conveyed (tons/hour)	Maximum Quantity Transferred or Conveyed (tons/year)
<input type="checkbox"/> Corn <input type="checkbox"/> Flax Seed <input type="checkbox"/> Wheat <input type="checkbox"/> Sorghum <input type="checkbox"/> Rye <input type="checkbox"/> Soybeans <input type="checkbox"/> Oats <input type="checkbox"/> Barley <input type="checkbox"/> Other (Specify):		
<input type="checkbox"/> Corn <input type="checkbox"/> Flax Seed <input type="checkbox"/> Wheat <input type="checkbox"/> Sorghum <input type="checkbox"/> Rye <input type="checkbox"/> Soybeans <input type="checkbox"/> Oats <input type="checkbox"/> Barley <input type="checkbox"/> Other (Specify):		
<input type="checkbox"/> Corn <input type="checkbox"/> Flax Seed <input type="checkbox"/> Wheat <input type="checkbox"/> Sorghum <input type="checkbox"/> Rye <input type="checkbox"/> Soybeans <input type="checkbox"/> Oats <input type="checkbox"/> Barley <input type="checkbox"/> Other (Specify):		

Describe grain transferring and conveying equipment:

Section J: Grain Processing Information

If grain processing activities do not occur, proceed to Section K.

If there are more than four combinations of grain processed, attach additional copies of this page as needed.

Type of Grain	Processing Operation	Maximum Quantity Processed (tons/hour)	Maximum Quantity Processed (tons/year)
<input type="checkbox"/> Corn <input type="checkbox"/> Flax Seed <input type="checkbox"/> Wheat <input type="checkbox"/> Sorghum <input type="checkbox"/> Rye <input type="checkbox"/> Soybeans <input type="checkbox"/> Oats <input type="checkbox"/> Barley <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Scales <input type="checkbox"/> Hammermills <input type="checkbox"/> Mixers <input type="checkbox"/> Pellet Coolers <input type="checkbox"/> Other (Specify):		
<input type="checkbox"/> Corn <input type="checkbox"/> Flax Seed <input type="checkbox"/> Wheat <input type="checkbox"/> Sorghum <input type="checkbox"/> Rye <input type="checkbox"/> Soybeans <input type="checkbox"/> Oats <input type="checkbox"/> Barley <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Scales <input type="checkbox"/> Hammermills <input type="checkbox"/> Mixers <input type="checkbox"/> Pellet Coolers <input type="checkbox"/> Other (Specify):		
<input type="checkbox"/> Corn <input type="checkbox"/> Flax Seed <input type="checkbox"/> Wheat <input type="checkbox"/> Sorghum <input type="checkbox"/> Rye <input type="checkbox"/> Soybeans <input type="checkbox"/> Oats <input type="checkbox"/> Barley <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Scales <input type="checkbox"/> Hammermills <input type="checkbox"/> Mixers <input type="checkbox"/> Pellet Coolers <input type="checkbox"/> Other (Specify):		

Is any other material added to the grain during processing? YES NO

Describe the material(s) added and the mixing ratio:

Section K: Grain Cleaning and Screening Information			
<i>If grain cleaning and screening activities do not occur, proceed to Section L.</i>			
If there are more than three types of grain cleaned and/or screened, attach additional copies of this page as needed.			
Type of Grain <input type="checkbox"/> Corn <input type="checkbox"/> Flax Seed <input type="checkbox"/> Wheat <input type="checkbox"/> Sorghum <input type="checkbox"/> Rye <input type="checkbox"/> Soybeans <input type="checkbox"/> Oats <input type="checkbox"/> Barley <input type="checkbox"/> Other (Specify):	Maximum Quantity Cleaned or Screened (tons/hour)	Maximum Quantity Cleaned or Screened (tons/year)	
<input type="checkbox"/> Corn <input type="checkbox"/> Flax Seed <input type="checkbox"/> Wheat <input type="checkbox"/> Sorghum <input type="checkbox"/> Rye <input type="checkbox"/> Soybeans <input type="checkbox"/> Oats <input type="checkbox"/> Barley <input type="checkbox"/> Other (Specify):			
<input type="checkbox"/> Corn <input type="checkbox"/> Flax Seed <input type="checkbox"/> Wheat <input type="checkbox"/> Sorghum <input type="checkbox"/> Rye <input type="checkbox"/> Soybeans <input type="checkbox"/> Oats <input type="checkbox"/> Barley <input type="checkbox"/> Other (Specify):			
Describe grain cleaning and screening equipment:			
Section L: Grain Drying Information			
<i>If grain drying activities do not occur, proceed to Section M.</i>			
Grain Dryer Equipment ID Number:			
Grain Dryer Type: <input type="checkbox"/> Column Dryer <input type="checkbox"/> Rack Dryer <input type="checkbox"/> Other (Specify):			
Manufacturer:		Model:	Serial Number:
Maximum Design Grain Input Capacity at 5 Points Moisture Removal:			bushels/hour
Design Operating Temperature:		Number of Burners in Dryer:	
Rated Heat Input of Burners:		Total Rated Heat Input of Dryer:	
Fuel Used:		MMBTU/hr	
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane <input type="checkbox"/> Diesel <input type="checkbox"/> Biodiesel <input type="checkbox"/> No. 2 Fuel Oil <input type="checkbox"/> Waste Oil <input type="checkbox"/> No. 4 Fuel Oil <input type="checkbox"/> Other (Specify):		MMBTU/hr	
Maximum Annual Fuel Consumption:		Heat Content of Fuel:	
Maximum Hourly Firing Rate:			
Percent Sulfur of Fuel		Percent Ash of Fuel:	
Airflow Through Dryer:		Grain Dried	
Grain	Grain Density (lb/bushel)	Maximum Hourly Input (tons/hour)	Maximum Annual Throughput (tons/year)
Corn			
Wheat			
Rye			
Oats			
Barley			
Flax Seed			
Sorghum			
Soybeans			
Average Design Percent Moisture in Grain After Drying:			%
Grain Dryer Diameter:		Grain Dryer Height:	
Height of Grain Dryer Exhaust Section:		feet	
U.S. Sieve or Tyler Scale Mesh Screen Size:		Tyler Scale Mesh Size	

Section M: Grain Shipping (Load Out) Information

If grain shipping activities do not occur, proceed to Section N.

Types of Vehicles Loaded and Grain Shipped (*check all that apply*)

If there are more than three combinations of vehicles loaded and grain shipped, attach additional copies of this page as needed.

Type of Vehicle Loaded	Type of Grain Shipped	Method of Loading	Grain Density (lb/bushel)	Maximum Quantity Loaded (tons/hour)	Maximum Quantity Loaded (tons/year)
<input type="checkbox"/> Straight Truck <input type="checkbox"/> Hopper Truck <input type="checkbox"/> Rail: Boxcar <input type="checkbox"/> Rail: Hopper Car <input type="checkbox"/> Continuous Barge <input type="checkbox"/> Marine Leg <input type="checkbox"/> Ship <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Rye <input type="checkbox"/> Barley <input type="checkbox"/> Flax Seed <input type="checkbox"/> Sorghum <input type="checkbox"/> Soybeans <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Conveyor <input type="checkbox"/> Pneumatic <input type="checkbox"/> Gravity Dump <input type="checkbox"/> Other (Specify):			
<input type="checkbox"/> Straight Truck <input type="checkbox"/> Hopper Truck <input type="checkbox"/> Rail: Boxcar <input type="checkbox"/> Rail: Hopper Car <input type="checkbox"/> Continuous Barge <input type="checkbox"/> Marine Leg <input type="checkbox"/> Ship <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Rye <input type="checkbox"/> Barley <input type="checkbox"/> Flax Seed <input type="checkbox"/> Sorghum <input type="checkbox"/> Soybeans <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Conveyor <input type="checkbox"/> Pneumatic <input type="checkbox"/> Gravity Dump <input type="checkbox"/> Other (Specify):			
<input type="checkbox"/> Straight Truck <input type="checkbox"/> Hopper Truck <input type="checkbox"/> Rail: Boxcar <input type="checkbox"/> Rail: Hopper Car <input type="checkbox"/> Continuous Barge <input type="checkbox"/> Marine Leg <input type="checkbox"/> Ship <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Rye <input type="checkbox"/> Barley <input type="checkbox"/> Flax Seed <input type="checkbox"/> Sorghum <input type="checkbox"/> Soybeans <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Conveyor <input type="checkbox"/> Pneumatic <input type="checkbox"/> Gravity Dump <input type="checkbox"/> Other (Specify):			

Number of Loading Areas at this Facility:

Maximum Hourly Grain Throughput of All Loading Areas: **bushels**

Describe grain loading equipment:

Section N: Control Devices Information	
Is an air pollution control device used? <input type="checkbox"/> YES <input type="checkbox"/> NO	
<i>If an air pollution control device is used, complete the following. If not, proceed to Section O.</i>	
Is knockout used? <input type="checkbox"/> YES <input type="checkbox"/> NO	
If yes, complete Form AP-1308 and attach it to this application.	
Is a settling chamber used? <input type="checkbox"/> YES <input type="checkbox"/> NO	
If yes, complete Form AP-1508 and attach it to this application.	
Is a cyclone collector used? <input type="checkbox"/> YES <input type="checkbox"/> NO	
If yes, complete Form AP-1208 and attach it to this application.	
Is a baghouse used? <input type="checkbox"/> YES <input type="checkbox"/> NO	
If yes, complete Form AP-0808 and attach it to this application.	
Is a scrubber used? <input type="checkbox"/> YES <input type="checkbox"/> NO	
If yes, complete Form AP-0908 and attach it to this application.	
Is an electrostatic precipitator used? <input type="checkbox"/> YES <input type="checkbox"/> NO	
If yes, complete Form AP-1408 and attach it to this application.	
Is any other control device used? <input type="checkbox"/> YES <input type="checkbox"/> NO	
If yes, attach a copy of the control device manufacturer's specification sheet.	
<i>If any other control device is used, complete the following information. If not, proceed to Section O.</i>	
Describe Control Device:	
Pollutants Controlled: <input type="checkbox"/> PM <input type="checkbox"/> PM ₁₀ <input type="checkbox"/> PM _{2.5} <input type="checkbox"/> Other (Specify):	
Control Device Manufacturer:	Control Device Model:
Control Device Serial Number:	Control Device Design Capacity:
Control Device Removal or Destruction Efficiency:	
Section O: Stack Information	
How does the process equipment vent?	
<input type="checkbox"/> Directly to the atmosphere (via stack) <input type="checkbox"/> Directly to the atmosphere (fugitive) <input type="checkbox"/> Through control device. (Attach the appropriate LMAPCD control device form)	
Number of Air Contaminant Emission Points:	
If there are more than three emission points, attach additional copies of this page as needed.	
First Emission Point	
Stack Height Above Grade:	feet
Stack Exit Diameter: <i>(Provide stack dimensions if rectangular stack.)</i>	feet
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

