

Air Permit Applicability Questionnaire

Mecklenburg County, NC

Mecklenburg County Air Quality (MCAQ) has identified common activities and industry types that are required to have air quality permits in Mecklenburg County. The permit applicability questionnaire can be used to survey your facility's operations in order to identify information needed by MCAQ to determine whether or not your facility or equipment needs a permit.

The questionnaire does not solely determine whether your facility is exempt from air permitting. The form is not all-inclusive of permitted activities or industry types. Additional information may be requested by MCAQ.

Submit a completed questionnaire to MCAQ for a permit applicability determination.

Mecklenburg County Air Quality
2145 Suttle Avenue
Charlotte, NC 28208-5237

Call MCAQ staff with any questions at 704-336-5430 or refer to <http://airquality.charmeck.org> for rules, additional guidance, emission calculations, etc.

Form General Instructions:

Facility Name - The marketing name of the facility. This may be the same as the legal name of the corporate entity.

Facility Address - The location where the agency would go to inspect the equipment.

Phone Number - For the contact person.

Contact Name - The person who is to be contacted for information concerning the facility.

Mailing Address - The address at which the contact receives mail.

Email Address - For the contact person.

Question 1 - Maximum rated capacity is the manufacturer's rated capacity

For generators, give the rated output in either kilowatts (kW) or horsepower (hp).

For boilers, give the rated output in million British thermal units per hour (MMBtu/hr).

Other fuel combustion sources can be process heaters, process ovens, water heaters, etc.

Question 2 - Give vapor pressure in pounds per square inch (psia).

Question 3 - Maximum rated capacity is the manufacturer's rated capacity.

Questions 4 through 8

MSDS(s) - Material Safety Data Sheets.

VOC - volatile organic compound such as alcohols, ketones or other solvents

lbs/gal - pounds per gallon

gals/hr - gallons per hour

Potential emissions should be calculated assuming plant operations are at maximum capacity: 8,760 hours per year (24 hours/day, 7 days/wk, 52 wks/year).

An emission source is something that emits an air pollutant through a stack, control equipment or vent. It could be a process that burns a fuel or a process that produces visible dust, odors or smoke.

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General Information	
Facility Name	
Facility Address	
Phone Number	
Contact Name	
Mailing Address	
Email Address	

Facility Description: Please provide a brief description of facility operations

Air Pollution Sources: Please answer the following questions:

1. Combustion Sources: Does the facility operate combustion sources, such as a generator, boiler, or any other fuel combustion source?	yes	no
If the facility operates a generator(s) , provide the following information (attach list if necessary):		
	a. Generator use (i.e. emergency, power share, etc.)?	
	b. Make and model?	
	c. Fuel type used?	
	d. Maximum rated capacity, in kW or hp?	
	e. Date of installation?	
Attach manufacturer's specifications if available.		
If the facility operates a boiler(s) , provide the following information (attach list if necessary):		
	a. Make and model?	
	b. Fuel type used?	
	c. Maximum rated capacity, in MMBtu/hr?	
	d. Date of installation?	
Attach manufacturer's specifications if available.		
If the facility has other types of fuel combustion equipment , please provide the following (attach list if necessary):		
	a. Description of other fuel combustion equipment:	
	b. Is the equipment used for comfort heating?	yes no
	c. What fuels are used in the combustion unit, and what is the heat input?	
	- primary fuel	
	- secondary fuel	
	- MMBtu/hr	
Attach manufacturer's specifications if available.		

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2. Storage Tanks: Does the facility have storage tank(s)? If so, provide the following (attach list if necessary):		yes	no
	a. Type of tank:	aboveground	underground
	b. Product being stored?		
	c. Vapor pressure of the product, in psia? (if available)		
	d. Tank(s) storage capacity, in gallons?		
	e. Date of installation?		
3. Portable Crushers: Does the facility own and operate a portable crusher(s)? If so, provide the following (attach list if necessary):		yes	no
	a. Make and model?		
	b. Date of installation?		
	c. Maximum rated capacity, in tons/hr?		
	d. Power source?		
	If the power source is a generator, provide the generator's make, model, rated capacity (kW or hp), and fuel type:		
	Attach manufacturer's specifications for generator if available.		
4. VOCs: Do facility operations involve coating, printing or operating a paint spray booth(s)? If so, provide the following:		yes	no
	a. Attach MSDS of the coating/paint with the highest VOC content.		
	b. List the highest VOC content (lbs/gal) - found on MSDS.		
	c. Maximum rated capacity of coating application or paint booth (gals/hr).		
	d. Facility's projected operating hours.		
	If available, please attach five (5) years of actual coating/paint usage data. If not available:		
	- i. What is maximum number of units that can be coated/painted in an hour?		
	- ii. How many gallons of coating/paint is used per unit?		
5. Parts Washing: Does the facility use parts washers?		yes	no
	a. Are parts washers used for maintenance purposes only?	yes	no
	If not, provide the following:		
	b. Name of solvent(s) used.		
	c. Attach MSDS of the solvent with the highest VOC content.		
	d. List the highest VOC content (lbs/gal) - found on MSDS.		
	e. Potential amount of solvent used annually (gallons).		
6. Abrasive Blasting: Does the facility perform abrasive blasting operations?		yes	no
	a. Do emissions vent outdoors?	yes	no
	If vented outdoors, provide the following:		
	b. Maximum rated capacity (flowrate) of the nozzle (lbs/hr).		
	c. Facility's projected operating hours.		
	d. Percent of material routed to control device (if applicable)		

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7. Stage I Facility: Does the facility have gasoline dispensing?		yes	no
a. What is the projected annual gasoline throughput?			
8. Storage Silos: Does the facility have storage silos controlled by a baghouse?		yes	no
a. What type of material is being store?			
b. What are potential emissions from the storage silos in tons/year? (attach emission calculations)			
9. Other: Does the facility have any other emission source(s) that vent to the outdoor atmosphere?		yes	no
a. Emission source description.			
b. What are potential emissions from that source in tons/year? (attach emission calculations)			

Contact Signature: _____

Date: _____

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