



PERMIT APPLICATION FOR MANUFACTURING OR PROCESSING EQUIPMENT

NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY
 DIVISION OF AIR QUALITY
 SFN 8520 (3-2019)

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM.
 - **Must include SFN 8516 or SFN 52858**

SECTION A – GENERAL INFORMATION

Equipment items operating as a functional unit may be grouped as one application	
Name of Firm or Organization	Facility Name

SECTION B – EQUIPMENT INFORMATION

Source ID Number (From SFN 8516)		
Type of Unit or Process (rotary dryer, cupola furnace, crusher, pelletizer, etc.)		
Make	Model	Date Installed
Capacity (manufacturer's or designer's guaranteed maximum)	Operating Capacity (specific units)	
Brief description of operation of unit or process:		

SECTION C – NORMAL OPERATING SCHEDULE

Hours Per Day	Days Per Week	Weeks Per Year	Peak Production Season (if any)	Dates of Annual Shutdown
---------------	---------------	----------------	---------------------------------	--------------------------

SECTION D – RAW MATERIALS INTRODUCED INTO UNIT OR PROCESS

Include solid fuels such as coke or coal. <i>Exclude</i> indirect heat exchangers from this section For indirect heat exchangers, complete form SFN 8518					
Material	Hourly Process Weight (Pounds Per Hour)			Average Annual (Specify Units)	Intermittent Operation Only (Average Hours Per Week)
	Average	Maximum	Minimum		

SECTION E – PRODUCTS OF UNIT OR PROCESS

Include all, even those not usable because they do not meet specifications					
Material	Hourly Process Weight (Pounds Per Hour)			Average Annual (Specify Units)	Intermittent Operation Only (Average Hours Per Week)
	Average	Maximum	Minimum		

SECTION F – FUELS USED

Coal (Tons/Yr)	% Sulfur	% Ash	Oil (Gal/Yr)	% Sulfur	Grade No.
Natural Gas (Thousand CF/Yr)		LP Gas (Gal/Yr)		Other (Specify)	

SECTION G – EMISSION POINTS

List each point separately, number each and locate on attached flow chart					
Number	Stack Height (ft)	Stack Diameter (ft at top)	Gas Volume (ACFM)	Exit Temp (°F)	Gas Velocity (fps)

SECTION H – AIR CONTAMINANTS EMITTED

Known or Suspected - Use same identification number as above				
Number	Pollutant	Amount		Basis of Estimate
		Pounds/Hr	Tons/Yr	

SECTION I – VOLATILE ORGANIC COMPOUNDS

Are any volatile organic compounds (VOCs) stored on premises? <input type="checkbox"/> No <input type="checkbox"/> Yes – List Below See 40 CFR 51.100(s) for classes of compounds covered		
Material Stored	Size Tank (Gallons)	Vapor Control Device

SECTION J – ORGANIC SOLVENTS

Are any organic solvents used or produced? <input type="checkbox"/> No (None or less than 50 gal/yr) <input type="checkbox"/> Yes – List Below			
Type	Principal Use	Gallons/Yr Consumed	Gallons/Yr Produced

SECTION K – AIR POLLUTION CONTROL EQUIPMENT

Is any air pollution control equipment installed on this unit or process? <input type="checkbox"/> No <input type="checkbox"/> Yes If 'Yes' attach form SFN 8532

SECTION L – MATERIAL STORAGE

Does the input material or product from this process contain finely divided material which could become airborne? <input type="checkbox"/> No <input type="checkbox"/> Yes					
Describe storage methods used:					
Storage Piles	Type of Material	Particle Diameter (Avg. or Screen Size)	Pile Size Average Tons	Pile Wetted	Pile Covered
Describe any fugitive dust problems:					

Attach additional sheets if needed to explain any answers. Use separate form for each contaminant emitting process

SEND COMPLETED APPLICATION AND ALL ATTACHMENTS TO:

North Dakota Department of Environmental Quality
 Division of Air Quality
 918 E Divide Avenue, 2nd Floor
 Bismarck, ND 58501-1947
 (701)328-5188