

EMISSION UNIT FOR TITLE V PERMIT TO OPERATE

NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF AIR QUALITY SFN 61006 (3-2019)

SECTION A - EQUIPMENT INFORMATION

Type of Unit or Process (rotary dryer, cupola furnace, crusher, pelletizer, engine, etc.)	Emission Unit Number:	Emission Point Number:		
Make	Model	Installation or manufacture date		
Capacity (manufacturer's or designer's guaranteed maximum)	Operating Capacity (specific units)			
Brief description of operation of unit or process:	-			
Brief description of alternative operating scenario (see Section M1 & M2 to elaborate):	Alternative Emission Point:			

SECTION B – OPERATING SCHEDULE

Are you agreeing to a limit on the operating schedule for this unit? Yes No							
Hours Per Day	Days Per Week	Weeks Per Year	Peak Production Season (if any)	Dates of Annual Shutdown			

SECTION C – PRODUCTION RATES (THROUGHPUT LIMITS)

Are you agreeing to a limit on the production for this unit? Yes No (If No, show normal operating schedule.)						
	Process Time Frame			Specify Units		
Material	Hour	Week	Year	(tons, Btu, Gal., etc)		

SECTION D1 – APPLICABLE REQUIREMENTS

Generally describe all applicable requirements.							
Regulations (i.e. SIP, NESHAP, PSD, NSPS, etc)	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements	Testing Requirements	Applicable Emission Standards (include units)		

SECTION D2 – IDENTIFICATION OF AIR CONTAMINANTS

Has emission	on unit testing been done a	t the facility?	
Emission Unit ID	Last Date when a Testing Program was Completed	If Program is Continuous, Give Approximate Testing Frequency	Regulation requiring frequency (NSPS, MACT, Permit Requirement-list permit number)

Add additional pages if necessary

SECTION E – PRODUCTS OF UNIT OR PROCESS

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

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 – STACK PARAMETERS

List each pollutant	List each pollutant separately.						
Pollutant (use	Stack Height	Stack Diameter	Gas Volume		Gas Velocity		
CAS for HAPs)	(ft)	(ft at top)	(ACFM)	Exit Temp (°F)	(fps)		
Stack Base UTM (Coordinate X:		Stack Base UTM (Coordinate Y:			

SECTION H – ALTERNATIVE STACK PARAMETERS

List each pollutant separately.						
Pollutant (use CAS for HAPs)	Stack Height (ft)	Stack Diameter (ft at top)	Gas Volume (ACFM)	Exit Temp (°F)	Gas Velocity (fps)	
Stack Base UTM C	Coordinate X:		Stack Base UTM (Coordinate Y:		

SECTION I – AIR CONTAMINANTS EMITTED

Known or Suspected - Use emission rates after control equipment.							
	Am	ount	Basis of Estimate (AP-42, testing,				
Pollutant (use CAS for HAPs)	Pounds/Hr	Tons/Yr	engineering estimate, etc)				

SECTION J1 – AIR POLLUTION CONTROL EQUIPMENT

Туре:	Cyclone	Multiclone	Baghouse	🗌 Ele	ctrostatic Precipitat	or
	U Wet Scrubber	Spray Dryer	- 🗌 None			
	Other – Specify	y:				
Name of I	Manufacturer	Model Nur	nber	[Date to Be Installed	
Applicatio	n: 🗌 Boiler	🗌 Kiln	Engine			
Other	– Specify:					
Pollutants	Removed					
Design Ef	fficiency (%)					

Operating Efficiency (%)			
Describe method used to dete	ermine operating efficie	ency:	

SECTION J2 – GAS CONDITIONS

Gas Conditions	Inlet		Outlet	
Gas Volume (SCFM; 68°F; 14.7 psia)				
Gas Temperature (°F)				
Gas Pressure (in. H ₂ O)				
Gas Velocity (ft/sec)				
Pollutant Concentration (Specify pollutant and unit of concentration)	Pollutant	Unit of Concentration	Inlet	Outlet
Pressure drop through gas cleaning device (in. H ₂ O)				