Print Form

Bureau of Air Quality
Construction Permit Application
Part IIB: Process Source

Please Refer to Instructions Before Completing This Form

1. PROCESS SOURCE INFORMATION		
Unit ID:	**Permit Number:**	**File Name:**

Check all that apply:	☐ Construct a new process that will not be part of an existing source	
	☐ Alter an existing source	☐ Adding new equipment
		☐ Replacing existing equipment Specify equipment to be replaced:
		☐ Other:

Description of New or Existing Process/Equipment (including description of alteration to existing source):

Process description (define process boundary):

Does the unit combust a waste as defined in Section 61-62.1? ☐ Yes ☐ No
If yes, which waste streams?

Is this unit equipped with a control device? ☐ Yes ☐ No (If yes, complete the information on page 3 of this form.)

2. RAW MATERIAL DATA

What is the process weight rate (ton/hour) for the entire process as defined in SC Regulation 61-62.1?

Material	Maximum Quantity Used (Units)

3. PRODUCT DATA

Products	Production at Maximum Rated Capacity (Units)

4. NEW OR ALTERED PROCESS SOURCE(S)

Process/ Equipment ID	Equipment Description (Include Make/Model of Each)	Design Capacity (Units)	Normal Operating Throughput Rate (Units)	Control Device ID	Stack/ Exhaust ID

5. NEW OR ALTERED FUEL BURNING SOURCE(S)

Process/ Equipment ID	Indirect/Direct Heating	Total Rated Heat Input (10^6 BTU/hr)	Number of Burners	Size of Each Burner (10^6 BTU/hr)	Burner Type (Solid Fuels Only)	Equipped with a Low NOx Burner?	If Yes, For Which Fuels?
						☐	
						☐	
						☐	

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Unit ID:	Permit Number:	File Name:

6. FUEL DATA (Include All Fuels)

Process/ Equipment ID	Fuel Type and Grade	BTU Content	% Sulfur by Weight	% Ash by Weight	Consumption @ Rated Capacity (Units)

7. EMISSION RATES AT MAXIMUM RATED CAPACITY

Process/ Equipment ID	Pollutant	CAS Number	HAP, TAP, or Both	Uncontrolled (tons/year)	Controlled (tons/year)	Calculation Method

8. OPERATING SCHEDULE INFORMATION

Hours/Day:	Days/Week:	Weeks/Year:	Max Hours/Year:
Seasonal Variation			
Dec. – Feb. (%):	Mar. – May (%):	June – Aug. (%):	Sept. – Nov. (%):

Attach sheets as necessary to provide any additional information.

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9. CONTROL DEVICE INFORMATION

Primary Control Device	Control Device ID: Stack/Exhaust ID:
Manufacturer Make and Model:	Type of Device:
Inherent to Process: ☐ Yes ☐ No	If inherent, please explain:
Pollutants Controlled:	☐ Particulate Matter (PM) ☐ Particulate Matter < 10 Micron (PM_{10}) ☐ Sulfur Dioxide (SO_2) ☐ HAP/TAP ☐ Carbon Monoxide (CO) ☐ Nitrogen Oxides (NOx) ☐ Volatile Organic Compounds (VOC) ☐ Other, Please list any other pollutants controlled:
Projected Capture Efficiency: %	Destruction, Control, or Removal Efficiency: %
Engineering Design and Operating Characteristics:	
Manufacturer's Specifications and Ratings:	
Recommended Control Device Monitoring/Data Collection (include parameters):	
Recordkeeping:	

Secondary Control Device	Control Device ID: Stack/Exhaust ID:
Manufacturer Make and Mode	Type of Device:
Inherent to Process: ☐ Yes ☐ No	If inherent, please explain:
Pollutants Controlled:	☐ Particulate Matter (PM) ☐ Particulate Matter < 10 Micron (PM_{10}) ☐ Sulfur Dioxide (SO_2) ☐ HAP/TAP ☐ Carbon Monoxide (CO) ☐ Nitrogen Oxides (NOx) ☐ Volatile Organic Compounds (VOC) ☐ Other, Please list any other pollutants controlled:
Projected Capture Efficiency: %	Destruction, Control, or Removal Efficiency: %
Engineering Design and Operating Characteristics:	
Manufacturer's Specifications and Ratings:	
Recommended Control Device Monitoring/Data Collection (include parameters):	
Recordkeeping:	

Additional Control Device	Control Device ID: Stack/Exhaust ID:
Manufacturer Make and Model:	Type of Device:
Inherent to Process: ☐ Yes ☐ No	If inherent, please explain:
Pollutants Controlled:	☐ Particulate Matter (PM) ☐ Particulate Matter < 10 Micron (PM_{10}) ☐ Sulfur Dioxide (SO_2) ☐ HAP/TAP ☐ Carbon Monoxide (CO) ☐ Nitrogen Oxides (NOx) ☐ Volatile Organic Compounds (VOC) ☐ Other, Please list any other pollutants controlled:
Projected Capture Efficiency: %	Destruction, Control, or Removal Efficiency: %
Engineering Design and Operating Characteristics:	
Manufacturer's Specifications and Ratings:	
Recommended Control Device Monitoring/Data Collection (include parameters):	
Recordkeeping:	