

Air Quality Permitting Application

Form 7.0: Control Equipment Information

FACILITY NAME: _____ **DATE:** _____

DWEE Facility ID: _____ **Emission Point Identification:** _____

Section 7.1: Combustion Flare

IMPORTANT: READ THE INSTRUCTIONS ACCOMPANYING THIS SECTION BEFORE COMPLETING.
Do NOT use pencil to fill out this application. Please type responses or print using black ink.

General Information

Attach the manufacturer specifications for the control equipment as part of Step 13.

1) Control Equipment ID: _____ 2) Installation Date: _____ ☐ New Unit

3) Control Equipment Name/Description: _____

4) Maximum Flare Rated Capacity: _____ MMBtu/hr 5) Maximum Pilot Rated Capacity: _____ MMBtu/hr

6) Operating Hours Limitation (include units): _____

7) Unit Information

List all the emission units that are controlled by the combustion flare.
Attach the manufacturer specifications for each unit as part of Step 13.

Unit ID	Unit Type ¹	Unit Name	Maximum Capacity (include units)	Installation Date	New Unit
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

If more than six units' emissions are controlled by this combustion flare, attach additional pages so all emission units are accounted for.

If any units routed to this flare will combust their own fuel, complete Section 6.1 or Section 6.2 for each unit as appropriate.

¹Unit Types could include: Conveyor, Elevator, Hammermill, Silo, Bin, Crusher, Reactor, Fermenter, Loadout Spout, etc.

8) Stack Information ☐ N/A

Height	Top Inside Diameter	Stack Discharge	Flare Type	Exit Velocity of Gas	Exit Temperature of Gas
ft	ft	<input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical <input type="checkbox"/> Vertical with Rain cap	<input type="checkbox"/> Enclosed <input type="checkbox"/> Open	m/s	°K

9) Flare Fuel Information

Type/Grade of Fuel Combusted	Maximum Fuel Capacity (include units)	Heat Content (include units)	Fuel Specifications	Operating Limitation (include units)
			% Sulfur: % Ash:	<input type="checkbox"/> N/A
Type/Grade of Fuel Combusted	Maximum Fuel Capacity (include units)	Heat Content (include units)	Fuel Specifications	Operating Limitation (include units)
			% Sulfur: % Ash:	<input type="checkbox"/> N/A

If the flare does/will combust more than two fuel types, attach additional pages so all fuels are described.

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Section 7.1: Combustion Flare (continued)

10) Pilot Fuel Information				
Type/Grade of Fuel Combusted	Maximum Fuel Capacity (include units)	Heat Content (include units)	Fuel Specifications	Operating Limitation (include units)
			% Sulfur:	<input type="checkbox"/> N/A
			% Ash:	
If the pilot does/will combust more than one type of fuel, attach additional information so all fuels are provided.				
11) Control Information				
Pollutant(s) Controlled	% Control Efficiency	Pollutant(s) Controlled	% Control Efficiency	
If additional pollutants are being controlled, attach additional information.				
12) Attach Potential to Emit Calculations <input type="checkbox"/>				
13) Attach Manufacturer Specifications for Each Emission Unit Listed in #7, and the Combustion Flare <input type="checkbox"/>				
14) Additional Information Attached? <input type="checkbox"/> YES <input type="checkbox"/> NO				

Complete the following ONLY if completing this Section as Part of an Operating Permit Application

Actual Flare Information					
15) Indicate the quantity of each fuel type that has been combusted in the flare.					
Fuel Type	Maximum Amount Combusted in the Previous Five Years		Amount Last Year		
	Number	Units	Number	Units	
16) Provide the operating hours <u>of this unit</u> for the past five years (past year if new source):					
Year					
Hours Operated					

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Actual Pilot Information					
17) Indicate the quantity of each fuel type that has been combusted in the flare.					
Fuel Type	Maximum Amount Combusted in the Previous Five Years		Amount Last Year		
	Number	Units	Number	Units	
18) Provide the operating hours of this unit for the past five years (past year if new source):					
Year					
Hours Operated					
19) Attach Actual Emission Calculations			<input type="checkbox"/>		
20) Additional Information Attached?			<input type="checkbox"/> YES <input type="checkbox"/> NO		