

COMBUSTION TEST: Please fill out one combustion report for each boiler at the facility.

Firing Rate	25% / Low / On	50% / Mid	75%	100% / High
Efficiency Reported (%)				
Stack Temperature (°F)				
Combustion Air Temperature (°F)				
Instrument Temperature (°F)				
Net Stack Temperature (°F)				
CO ₂ (%)				
Excess Air (%)				
Oxygen (%)				
CO (ppm)				
NO (ppm)				
NOx (ppm)				
Undiluted CO (ppm)				

Combustion Air:

Fan type: Forced Draft Induced Draft

Variable Speed Drive: Yes No

Motor Horsepower:

Combustion Air Pre-heater: Yes No

Flue Gas Recirculation: Yes No

NOx Regulations (ppm):

Boiler Blowdown:

Surface Blowdown: Yes No
Frequency (Surface):

Bottom Blowdown: Yes No
Frequency (Bottom):

Blowdown Heat Recovery: Yes No
Concentration of TDS in Blowdown (ppm):
Concentration of TDS in Feed Water (ppm):

Operating Conditions:

Boiler Operating Pressure (PSIG):

Operating Steam/Hot Water Temperature:

Entering Feed water Temperature:

Steam Production (kp/h) – if applicable:

Stack Height (ft):

Stack Material:

Stack Economizer:

Do you have an Economizer: Yes No

Type of Economizer: Condensing
 Non-condensing

Plant Description: Please describe the end uses of the boiler system. Include both heating and process applications.

Scheduling: Please describe boiler loading conditions, run times, building operating shifts, and peak demand periods.

PROPOSED CONDITIONS:	To Be Installed	Manufacturer	Model	Total Cost
Burner Combustion Control	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Parallel Positioner (Servo Motors)	<input type="checkbox"/> Yes <input type="checkbox"/> No			
O2 Trim (FGA)	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Variable Frequency Drive	<input type="checkbox"/> Yes <input type="checkbox"/> No			
New Burner:	<input type="checkbox"/> Yes <input type="checkbox"/> No			
<input type="checkbox"/> Gas-fired <input type="checkbox"/> Oil-fired (<input type="checkbox"/> #2, <input type="checkbox"/> #4, <input type="checkbox"/> #6)				
Total (Cost)				

Project Scope: Please describe work being performed and any efficiency project(s) that may have been completed within the past year.

Estimated Project Start Date: _____

Estimated Project Completion Date: _____

Name of Person completing form (Print): _____

Signature: _____ Date: _____