

# 9. BURNER START UP INFORMATION & TEST DATA

The following information shall be recorded for each burner start up:

Power Flame Model No. \_\_\_\_\_ Invoice No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Installation Name \_\_\_\_\_ Start Up Date \_\_\_\_\_

Start Up Contractors Name \_\_\_\_\_ Phone \_\_\_\_\_

Name of Technician Performing Start Up \_\_\_\_\_

Type of Gas Natural  LP  Other \_\_\_\_\_ Fuel Oil Grade No. \_\_\_\_\_

## Gas Firing

### Gas Pressure at Train Inlet

Burner in Off Position \_\_\_\_\_ "W.C.

### Gas Pressure at Train Inlet

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### Gas Pressure at Firing Head

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### Gas Pressure at Pilot Test Tee

### Power Supply

Volts \_\_\_\_\_ Ph \_\_\_\_\_ Hz \_\_\_\_\_

Control Circuit Volts \_\_\_\_\_

Blower Motor amps at high fire \_\_\_\_\_

### Flame Signal Readings

Pilot \_\_\_\_\_

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### CO<sub>2</sub> or O<sub>2</sub> (Specify)

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### CO

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### Input Rate BTU/HR

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### Over Fire Draft

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### Stack Outlet Test Point Draft

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### Net Stack Temperature

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### Combustion Efficiency

Low Fire \_\_\_\_\_ %

High Fire \_\_\_\_\_ %

### NOx Measured

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

## Oil Firing

### High Fire Vacuum Reading at Oil Pump Inlet \_\_\_\_\_ "H.G.

### Gas Pressure at Pilot Train Inlet

(If applicable) \_\_\_\_\_

### Gas Pressure at Pilot Test Tee

(If applicable) \_\_\_\_\_

### Oil Nozzle Supply Pressure

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### Oil Nozzle Bypass Pressure

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### Power Supply

Volts \_\_\_\_\_ Ph \_\_\_\_\_ Hz \_\_\_\_\_

Control Circuit Volts \_\_\_\_\_

Blower Motor amps at high fire \_\_\_\_\_

Remote Oil Pump Motor amps at high fire \_\_\_\_\_

### Flame Signal Reading

Pilot (If applicable) \_\_\_\_\_

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### GPH Firing Rate

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### CO<sub>2</sub> or O<sub>2</sub> (Specify)

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### Bachrach Scale Smoke Number

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### Over Fire Draft

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### Stack Outlet Test Point Draft

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### Net Stack Temperature

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

### Combustion Efficiency

Low Fire \_\_\_\_\_ %

High Fire \_\_\_\_\_ %

### NOx Measured

Low Fire \_\_\_\_\_

High Fire \_\_\_\_\_

