



**Texas Commission on Environmental Quality**  
**Table 21:**  
**Furnace Data Sheet**

Please Complete the Following:		
Number from Flow Diagram:	Furnace Manufacturing:	
Model Number:	Size (Dimensions):	
Furnace Type:		
<input type="checkbox"/> Annealing or HT <input type="checkbox"/> Arc <input type="checkbox"/> Blast <input type="checkbox"/> Channel <input type="checkbox"/> Coreless <input type="checkbox"/> Crucible <input type="checkbox"/> Cupola <input type="checkbox"/> Electric <input type="checkbox"/> Pot <input type="checkbox"/> Reheat <input type="checkbox"/> Retort <input type="checkbox"/> Reverberatory <input type="checkbox"/> Other		
Furnace Operation:		
Metal/Material Type Melted:	Type Heat Additives:	
Melting Capacity (tons/hr.):	Qty. of Heat Additives:	
Holding Capacity (tons):	Pouring Temperature (°F):	
Oxygen Injection (%):	Carbon Injection (%):	
Furnace Charge Makeup:	Charging Method:	
Afterburner (BTU/hr.):	Ductile Iron Production (tons/hr.):	
Method Temperature Control:	Tuyere Air (SCFM*):	
Characteristics of Fuel Input		
Fuel Type:	Chemical Composition (% by Weight):	
Fuel Type:	Chemical Composition (% by Weight):	
Fuel Type:	Chemical Composition (% by Weight):	
Fuel Type:	Chemical Composition (% by Weight):	
Inlet Air Temperature (°F):	Gross Heating Value of Fuel (specify units):	
Total Air Supplied (SCFM*):		
Fuel Flow Rate (SCFM* or lb/hr.):    Design Maximum:		Average:
Characteristics of Stack Output:		
Material Emitted:	Chemical Composition and Rate of Release:	
Stack Parameters (Please Specify Units):		
Stack Diameter:	Stack Height:	Temperature (°F):
Velocity:		Moisture Percentage (%):

\*Standard Cubic Feet per Minute at Standard Conditions: 70(°F), 14.7 PSIA

**Please also supply an assembly drawing with dimensions and drawn to scale in as many sections as are needed to show clearly the operation of the furnace.**

TCEQ - 10189 (Revised 5/13) Table 21

This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5996v2)