

Glass Furnace Emission Summary
Arglass Yamamura, LLC.
Valdosta Georgia

<i>Maximum Heat Input:</i>	98.9	MMBtu/hr	<i>Annual Fuel Usage:</i>	849.38	MMCF/year
<i>Daily Glass Pull:</i>	546	Short Tons/day	<i>Annual Heat Input:</i>	866,364	MMBtu/year
<i>Fuel:</i>	Natural Gas		<i>Annual Glass Pull:</i>	199,290	short tons/year
<i>HHV:</i>	1,020	MMBtu/MMCF	<i>Hours of Operation:</i>	8760	hr/year

Criteria Pollutants	Controlled Emission Factor	Units	PTE (lb/hr)	PTE (TPY)	Basis
CO	6.82	lb/hr	6.82	29.87	Supplied by furnace vendor
NO _x	1.2	lb/ton	27.30	119.57	Supplied by furnace vendor
SO ₂	0.90	lb/ton	20.48	89.68	Supplied by furnace vendor
PM ₁₀	0.40	lb/ton	9.10	39.86	Assumed to be double Filterable PM
PM _{2.5}	0.40	lb/ton	9.10	39.86	Assumed to be equal to PM10
PM	0.20	lb/ton	4.55	19.93	Table CC-1 for gaseous fuels of 40 CFR 60 Subpart CC (0.1 g PM/kg glass pulled).
VOC	0.20	lb/ton	4.55	19.93	Table 11.15-2 for uncontrolled container glass in AP-42
Se	0.003	lb/ton	0.07	0.30	Derived from engineering design firm's information
HF	0.015	lb/ton	0.34	1.49	Supplied by furnace vendor
HCl	0.030	lb/ton	0.68	2.99	Supplied by furnace vendor
Lead	0.003	lb/ton	0.07	0.30	Industry factor for all metal HAP
Total HAPs	-	-	-	5.88	Combustion (AP-42) + Process (Vendor Data/Industry Factors)
CO _{2e}	-	-	-	86,846	40 CFR Part 98 Supart C and N
Ammonia	0.33	lb/hr	0.33	1.45	Guidance from design team