

IRON and STEEL PLANT FACILITIES

Pickling

Identification	Capacity, tons/year	Strip thickness x width, in.	Acid used
66-in. pickle line	560,000	0.052-0.187 x 24-60	HCl

Edgar Thomson Plant Braddock, Pa.

Blast furnace

Identification	Capacity		Total height, ft-in.	Hearth dia, ft-in.	Working vol., cu ft	Injectants	No. of stoves
	tons/day	tons/year					
No. 1	3500	1.2 million	78-9	28-10	56,430	NG/COG	3
No. 3	3200	1.1 million	73-11	25-3	43,092	NG/COG	3

Steelmaking—oxygen

Shop identification	Process	Capacity, tons/year	No. of vessels	Heat size, tons	Gas cleaning
BOP	BOF	2.957 million	2	250	Wet scrubber

Vacuum degassing

Type	Total capacity, tons/year	No. of units	Heat size, tons	Injectants
RH-KTB	1,200,000	1	250	None

Ladle metallurgy

Type	Total capacity, tons/year	No. of units	Heat size, tons	Injectants	Transformer rating, MVA
LMF	2.8 million	1	250	None	34.5

Continuous casting

Identification	Capacity, tons/year	Strands	Ladle capacity, tons	Product size range, in.	Shroud
Slab	2.8 million	2	250	8 x 29-66	Ceramic shroud

Fairfield Works Fairfield, Ala.

Blast furnace

Identification	Capacity		Total height, ft-in.	Hearth dia, ft-in.	Working vol., cu ft	Injectants	No. of stoves
	tons/day	tons/year					
8	6,000	2.19 million	85-0	32-0	82,132	Coal/NG	3