

Carlton Forge Works

A/Ns 485178-485183

EMISSIONS FOR FIRING ON NATURAL GAS
(OVENS, FURNACES, HEATERS, ETC.)

Emission factors are from form B-1
Except NOx which is calculated from the ppm of NOx

Maximum Burner Rating in BTU/hr =	3,000,000	BTU/hr
Max conditioned fuel usage =	1,371,430	CF/mo
Previously conditioned fuel usage =	0	CF/mo
Average Operating Schedule =	16	hr/day
Maximum Operating Schedule =	24	hr/day
Expected emission of NOx=	50	ppm
Average Loading=	100.0%	
Maximum Loading =	100.0%	
Maximum operating days per month =	30	days

AVERAGE EMISSIONS

RHC	=	0.0200	lb/hr	0.3200	lb/day
NOx	=	0.1815	lb/hr	2.9040	lb/day
SO2	=	0.0017	lb/hr	0.0274	lb/day
CO	=	0.1000	lb/hr	1.6000	lb/day
PART	=	0.0214	lb/hr	0.3429	lb/day

MAXIMUM EMISSIONS

RHC	=	0.0200	lb/hr	0.4800	lb/day
NOx	=	0.1815	lb/hr	4.3560	lb/day
SO2	=	0.0017	lb/hr	0.0411	lb/day
CO	=	0.1000	lb/hr	2.4000	lb/day
PART	=	0.0214	lb/hr	0.5143	lb/day

Thirty day average emissions

RHC	=	0.32	lb/dy	115	lb/yr
NOx	=	2.93	lb/dy	1053	lb/yr
SO2	=	0.03	lb/dy	10	lb/yr
CO	=	1.60	lb/dy	576	lb/yr
PART	=	0.34	lb/dy	123	lb/yr

Monthly Emissions

RHC	=	9.60	lb/mo
NOx	=	87.77	lb/mo
SO2	=	0.82	lb/mo
CO	=	48.00	lb/mo
PART	=	10.29	lb/mo