Exhaust Flowrate = 19.635 dscfm Design Production Rate = 125 ton/hr

Actual Production Rate (see note to the right) = 100 ton/hr from application dated October 4, 1995 Annual Operating hours= 2,240 hr/yr 280*8=2240 hr/yr from application dated November 14, 2023

Actual Annual Production Rate= 224,000 ton/yr 100 ton/hr * 2240 hr/yr = 224,000 ton/yr

Annual Production Limit (see note to the right) = 325,000 ton/yr Note: If there is an agreed upon annual production limit in (ton/yr) enter it here,

if there is an agreed upon operating hours limit (hr/yr) enter the value for [operating hours limit (hr/yr)] * [Actual Production Rate (ton/hr)], if there is no agreed upon production or operating hours limit, enter the value for [8,760 (hr/yr)] * [Actual Production Rate (ton/hr)]).

Actual Emissions		
	Actual Production Rate (ton/hr)	
PM (uncontrolled)	100	
PM (fabric filter)	100	
SO2	100	
CO	100	
VOC	100	
NOv	100	

	Natural Gas/Batch Mix		
AP-42 Table	Emission Factor (lb/ton)	Actual Emissions (lb/hr)	Actual Emissions (ton/yr)
11.1-3			
11.1-3			
11.1-7			
11.1-7			
11.1-8			
11.1-7			

Equations used in calculations:

[Actual Emissions (lb/hr)] = 100 (ton/hr) x [Emission Factor (lb/ton)]

[Actual Emissions (ton/yr)] = 325,000 (ton/yr) x [Emission Factor (lb/ton)] / [2,000 lb/ton]

Potential	Fmi	eein	ns

Potential Emissions		
	Potential Production Rate (ton/hr)	
PM (uncontrolled)	125	
PM (fabric filter)	125	
SO2	125	
CO	125	
VOC	125	
NOx	125	
Equations used in calc	ulations:	

	Natural Gas/Batch Mix			Unrestricted
AP-42 Table	Emission Factor (lb/ton)	Potential Emissions (lb/hr)	Potential Emissions (ton/yr)	PTE - at 8,760 hr/yr (ton/yr)
11.1-3				
11.1-3				
11.1-7				
11.1-7				
11.1-8				
11.1-7				

[Potential Emissions (lb/hr)] = 125 (ton/hr) x [Emission Factor (lb/ton)]

[Potential Emissions (ton/yr)] = 325,000 (ton/yr) x [Emission Factor (lb/ton)] / [2,000 lb/ton]

[Unrestricted PTE - at 8,760 hr/yr (ton/yr)] = 125 (ton/hr) x [Emission Factor (lb/ton)] x [8,760 hr/yr] / [2,000 lb/ton]

	No. 2 Fuel Oil/Batch Mix			
AP-42 Table	Emission Factor (lb/ton)	Actual Emissions (lb/hr)	Actual Emissions (ton/yr)	
11.1-3	32	3,200.00	3,584.00	
11.1-3	0.042	4.20	4.70	
11.1-7	0.088	8.80	9.86	
11.1-7	0.4	40.00	44.80	
11.1-8	0.0082	0.82	0.92	
11.1-7	0.12	12.00	13.44	

	Waste Oil/Batch Mix			
AP-42 Table	Emission Factor (lb/ton)	Actual Emissions (lb/hr)	Actual Emissions (ton/yr)	
11.1-3				
11.1-3				
11.1-7				
11.1-7				
11.1-8				
11.1-7				

0.02	0.02	
12.00	13.44	
Wors	rase	Unrestricted
Potential	Potential	PTE - at
Emissions	Emissions	8,760 hr/yr
(lb/hr)	(ton/yr)	(ton/yr)
(10/111)	(tor#yr)	
	F 000 00	47 500 00
4,000.00	5,200.00	17,520.00
5.25	5,200.00 6.83	17,520.00 23.00

14.30 48.18

65.00 219.00

19.50 65.70

1.33 4.49

3,584.00 4.20

4.70

9.86

44.80

Worst case
Actual Actual (lb/hr) (ton/yr) 3,200.00

8.80

40.00

11.00

50.00

1.03

15.00

	No. 2 Fuel Oil/Batch Mix			Unrestricted
AP-42 Table	Emission Factor (lb/ton)	Potential Emissions (lb/hr)	Potential Emissions (ton/yr)	PTE - at 8,760 hr/yr (ton/yr)
11.1-3	32	4,000.00	5,200.00	17,520.00
11.1-3	0.042	5.25	6.83	23.00
11.1-7	0.088	11.00	14.30	48.18
11.1-7	0.4	50.00	65.00	219.00
11.1-8	0.0082	1.03	1.33	4.49
11.1-7	0.12	15.00	19.50	65.70

AP-42 Table	Waste Oil/E Emission Factor (lb/ton)	Potential Emissions (lb/hr)	Potential Emissions (ton/yr)	Unrestricted PTE - at 8,760 hr/yr (ton/yr)
11.1-3				
11.1-3				
11.1-7				
11.1-7				
11.1-8				
11.1-7				

Allowable Emissions

SO2

Allowable = Potential, set by TAPCR 1200-3-14-.03(5) $[Allowable \ (lb/hr)] = [Actual \ Production \ Rate \ (ton/hr)] \ x \ [Emission \ Factor \ (lb/ton)] \\ [Allowable \ (ton/yr)] = [Emission \ Factor \ (lb/ton)] \ x \ [325,000 \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ [2,000 \ (lb/ton)] \\ [Allowable \ (ton/yr)] \ / \ (ton/yr)]$

CO, VOC, NOx

Allowable = Potential, set by TAPCR 1200-3-7-.07(2)
[Allowable (ton/yr)] = [Emission Factor (lb/ton)] x [325,000 (ton/yr)] / [2,000 (lb/ton)]

al Gas
ton/yr
0.00

No. 2 F	uel Oil
lb/hr	ton/yr
11.00	14.30

Waste Oil		
ton/yr		
0.00		

0.00 0.00

Worst case			
lb/hr	ton/yr		
11.00	14 30		

	Natur	Natural Gas	
	lb/hr	ton/y	
CO		0.0	
VOC		0.00	
NOx		0.00	

No. 2 Fuel Oil			
lb/hr	ton/yr		
	65.00		
	1.33		
	19.50		

Natural Gas		
lb/hr	ton/yr	
	0.00	
	0.00	
	0.00	

TAPCR 1200-03-07-.04(2)

Pollutant	Emission Factor (gr/dscf)	PM Emissions (lb/hr)	PM Emissions (lb/yr)	PM Emissions (tpy)
PM	0.25	42.08	109395.00	54.70

TAPCR 1200-03-07-.04(1)

	Emission	РМ		PM
				Emissions
Pollutant	(gr/dscf)	(lb/hr)	(lb/yr)	(tpy)
PM	0.02	3.37	29486.16	14.74

Allowable Emissions TAPCR 1200-03-07-.03(1) Table 2

17.31*125^0.16 37.48 lb/hr 8760 hours 164.16 tpy

PM Allowable emission= 37.48 lb/hr