

2000 Air Emission Calculations for the Annual Emissions Report

Pollutant	Allowable Rate Tons per Year	Actual Emission Tons per Year
Particulate Matter	198.59	111.00
SO ₂	5.36	0.35
NO _x	198.72	79.62
CO	147.09	19.76
VOC	190.01	58.15
TRS	0	0
LEAD	0.56	0
CFCs/HCFCs	0	0
Other	0	0
Total HAP's (VOC)	143.55	14.85
Total HAP's (Non-VOC)	7.74	2.77

1999 Natural Gas Usage (MMBTU) = **1162334** MMBTU

TSP/PM10 Calculation

AP-42 factor = **0.005** lb/MMBTU

2.9 TPY

From Fluid Bed & Rotary Dryers

(Based on 7/98 Stack testing)

Stack test (#/hr) = **7.5**

= **33.0** TPY

From Cyclone Dryer #10

(Based on 7/98 Stack testing)

Stack test (#/hr) = **9.3**

= **40.7** TPY

From Cyclone Dryer #11

(Based on 7/98 Stack testing)

Stack test (#/hr) = **6.3**

= **27.8** TPY

From Vinyl Silos

(Based on 7/98 Stack testing)

Stack test (#/hr) = **0.61**

= **2.7** TPY

From Cmpd Silos

(Based on 7/98 Stack testing)

Stack test (#/hr) = **0.90**

= **3.9** TPY

Total = **108.1** TPY

Total HAP's (Non-VOC)

PA Calculation

Total PA Emissions= 0.2 TPY

Lead Calculation

Total Lead Emissions = 0.004 TPY

HCl Calculation

Total HCl Emissions = 0.4 TPY

Chlorine Calculation

Total Chlorine Emissions = 2.1 TPY

Total HAP's (Non-VOC) Emitted = 2.8 TPY