

Grand Forks Industrial Park Particulate Source Loading Inventory - 2006

1. Test Results Industrial Facility	Volumetric Flow Rate		Total Particulate		PM ₁₀	PM _{2.5}
	Permit Limit (m ³ /min)	Actual (m ³ /min)	Permit (kg/hr)	Actual (kg/hr)	Actual (kg/hr)	Actual (kg/hr)
CanPar*	18170	17402	76	50	10	8
Roxul	5933	5724	8	8	7	7
Pope & Talbot	2790	2857	19	8	6	4
Cantex (2003)	510	203	4	0		
Pacific Abrasives	1470	na	15	na		
Sub-Total	26893	25983	103	66	24	19

2. Annual Load Industrial Facility	Annual Operating Hours		Total Particulate		PM ₁₀	PM _{2.5}
	Permit Limit (hours/yr)	Est. Actual (hours/yr)	Permit (T/yr)	Actual (T/yr)	Actual (T/yr)	Actual (T/yr)
CanPar	8760	8322	668	420	87	66
Roxul	8760	8322	66	66	60	56
Pope & Talbot	8760	8322	170	62	54	34
Cantex (2004)	3744	355	14	0.06		
Pacific Abrasives	8760	8322	131	68		
Total			1049	616	201	155

3. % Contribution Industrial Facility	Total Particulate		PM ₁₀	PM _{2.5}
	Permit (%)	Actual (%)	Actual (%)	Actual (%)
CanPar	64%	68%	43%	42%
Roxul	6%	11%	30%	36%
Pope & Talbot	16%	10%	27%	22%
Cantex (2004)	1.3%	0.01%		
Pacific Abrasives	13%	11%		
Total	100%	100%	100%	100%

*CanPar Total Particulate includes condensable organics fraction

95% plant availability factor used to estimate hours for Roxul, P&T, Pac. Abr. and CanPar.

Cantex reported operating hours in 2004, as required by regulation.

Total actual particulate (Pacific Abrasives) estimated from dustfall data.