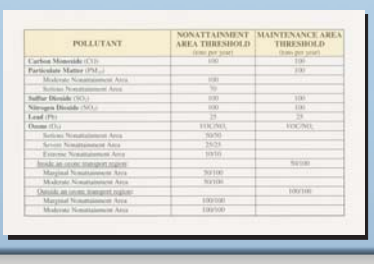
The Air Quality Analysis

Emissions Inventory

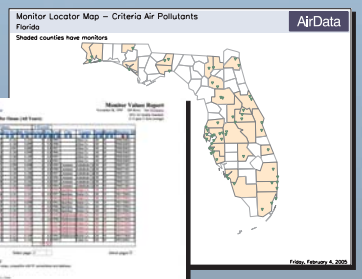
Compare the net increase in emissions to the minimum levels



POLLUTANT	NONATTAINMENT AREA THRESHOLD (tons per year)	MAINTENANCE AREA THRESHOLD (tons per year)
Carbon Monoxide (CO)	100	100
Particulate Matter (PM_{10})		100
Moderate Nonattainment Area	100	
Serious Nonattainment Area	70	
Sulfur Dioxide (SO_2)	100	100
Nitrogen Dioxide (NO_2)	100	100
Lead (Pb)	25	25
Ozone (O_3)	100 (VOC/NO)	100 (VOC/NO)
Serious Nonattainment Area	50/50	
Severe Nonattainment Area	25/25	
Extreme Nonattainment Area	10/10	
Inside an ozone transport region		50/100
Marginal Nonattainment Area	50/100	
Moderate Nonattainment Area	50/100	
Outside an ozone transport region		100/100
Marginal Nonattainment Area	100/100	
Moderate Nonattainment Area	100/100	

Dispersion Concentration Analysis

Background Concentrations



Roadway Intersection CO Concentration

Airport Source Concentrations

Total Concentrations

Totals are Compared to

POLLUTANT	AVERAGING PERIOD	PRIMARY STANDARDS	SECONDARY STANDARDS
Sulfur Dioxide (SO_2)	Annual Arithmetic Mean 24-Hour Average 3-Hour Average	0.03 PPM 0.14 PPM --	-- -- 0.50 PPM
Particulate Matter (PM_{10})	Annual Arithmetic Mean 24-Hour Average	50 $\mu g/m^3$ 150 $\mu g/m^3$	50 $\mu g/m^3$ 150 $\mu g/m^3$
Particulate Matter ($PM_{2.5}$)	Annual Arithmetic Mean 24-Hour Average	15 $\mu g/m^3$ 65 $\mu g/m^3$	15 $\mu g/m^3$ 65 $\mu g/m^3$
Carbon Monoxide (CO)	8-Hour Average 1-Hour Average	9 PPM 35 PPM	-- --
Ozone (O_3)	8-Hour Average 1-Hour Average	0.08 PPM 0.12 PPM	0.08 PPM 0.12 PPM
Nitrogen Dioxide (NO_2)	Annual Arithmetic Mean	0.053 PPM	0.053 PPM
Lead (Pb)	3-Month Arithmetic Mean	1.5 $\mu g/m^3$	1.5 $\mu g/m^3$

Landrum & Brown Team
Since 1949

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