Table 3
Federal and State Modeling Standards and Significant Emission Rates

Pollutants	Averaging Period	National Ambient Air Quality Standards (ug/m3)		Class I PSD Increment (ug/m3)	PSD Class I significant Impact Levels (ug/m3)	PSD Significant Emission Rate (tpy)	Class II PSD Increments (ug/m3)	PSD Class II Significant Impact Levels (ug/m3)	PSD Monitoring De Minimis Concentrations (ug/m3)	Ohio Modeling Signficant Emission Rates (tpy)	Ohio Acceptable Incremental Impact (ug/m3)
		Primary Standard	Secondary Standard								
PM2.5	Annual	15 (c)	15 (c)	1 (h)	0.06 (h)	PM2.5 - 10 SO2 - 40 NOx - 40	4 (h)	0.3 (h)	-----	TBD (k)	TBD (k)
	24-hr	35 (d)	35 (d)	2 (a)	0.07 (h)		9 (a)	1.2 (h)	4 (h)		TBD (k)
PM10	Annual	-----	-----	4 (a)	0.2 (h)	15	17 (a)	1 (h)	-----	-----	8.5 (h)
	24-hr	150 (a)	150 (a)	8 (a)	0.3 (h)		30 (a)	5 (h)	10 (h)		15 (a)
Sulfur Dioxide	Annual	80 (h)	80 (h)	2 (h)	0.1 (h)	40	20 (h)	1 (h)	-----	25	10 (h)
	24-hr	365 (a)	365 (a)	5 (a)	0.2 (h)		91 (a)	5 (h)	13 (h)		45.5 (a)
	3-hr	-----	1300 (a)	25 (a)	1.0 (h)		512 (a)	25 (h)	-----		256 (a)
	1-hr	196 (f)	-----	-----	-----		TBD	-----	-----		TBD
Nitrogen Dioxide	Annual	100 (h)	100 (h)	2.5 (h)	0.1 (h)	40	25 (h)	1 (h)	14 (h)	25	12.5 (h)
	1-hr	188 (b)	-----	-----	-----		TBD	10 (h)	-----		TBD
Ozone	8-hr	0.075 ppm (e)	0.075 ppm (e)	-----	-----	40 (j)	-----	-----	-----	-----	-----
	1-hr	0.12 ppm (g)	0.12 ppm (g)	-----	-----		-----				-----
Carbon Monoxide	8-hr	10,000 (a)	-----	-----	-----	100	-----	500 (h)	575 (h)	100	2500 (a)
	1-hr	40,000 (a)	-----	-----	-----		-----	2000 (h)	-----		10000 (a)
Lead	Rolling 3-Month	0.15 (h)	0.15 (h)	-----	-----		-----		-----		-----
Toxics	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	(h) & (i)

(a) Not to be exceeded more than once per year.
(b) The 3-year average of the 98th percentile of the daily maximum 1-hr average at each monitor must not exceed the NAAQS
(c) The 3-year average of the weighted annual mean PM2.5 concentrations must not exceed the NAAQS
(d) The 3-year average of the 98th percentile of 24-hr concentrations must not exceed the NAAQS
(e) The 3-year average of the fourth-highest daily maximum 8-hr average ozone concentrations must not exceed thte NAAQS
(f) The 3-year average of the 9th percentile of the daily maximum 1-hr average at each monitor within an area must not exceed the NAAQS
(g) Not to be exceeded on more than one day per year, three year average.
(h) Concentration not to be exceeded.
(i) Value calculated by procedures outlined in current version of the Ohio EPA Division of Air Pollution Control document entitled "Review of New Sources of Air Toxic E
(j) Emissions of VOC
(k) Please contact Ohio EPA for more details

References

A NAAQS are found in 40 CFR Part 50
B PSD Class I and Class II Ambient Air Increments are found in 40 CFR 52.21(c).
C PSD Significant Emission Rates are found in 40 CFR 52.21(b)(23)(i)
D The PM2.5 Class I and Class II Significant Impact Levels are from 40 CFR 52.21(k)(2).
E The PM10, SO2 and NO2 Class I Significant Impact Levels are based on the July 23, 1996 Proposed Rulemaking (61 FR 38249).
F The Class II Significant Impact Levels are found in 40 CFR 51.165(b)(2).
G The PSD Monitoring Deminimis Concentrations are found in 40 CFR 52.21(i)(5)(i).
H The Ohio Modeling Significant Emission Rates and the Ohio Acceptable Incremental Impact are found in Ohio EPA's Engineering Guide No. 69.