

Appendix B

Summary Excel Tab

Projected Controlled Emission Inventory - Cecil County, MD - Philadelphia Nonattainment Area

Projected Controlled Emissions

Source	VOC Emissions		NOx Emissions	
	2017	2023	2017	2023
Biogenics	20.10	20.10	0.82	0.82
Mobile	1.15	0.92	4.04	2.64
Point	0.42	0.42	1.60	1.61
Area	2.73	2.79	0.33	0.36
M-A-R	0.06	0.07	1.46	1.70
Nonroad	2.42	1.63	1.05	0.84
Total	6.77	5.83	8.48	7.15

2023 TL Contingency Demo Excel Tab

VOC Target Level for 2023 Milestone Cecil County Maryland Emissions in Tons per Day			
		Formula	
A	2017 Base Year Inventory		26.88
B	Biogenic Emissions		20.10
C	2017 Rate-of Progress Base Year Inventory	A - B	6.77
D	FMVCP/RVP Reductions Between 2017 and 2023		0.00
E	2017 Adjusted Base Year Inventory Calculated Relative to 2023	C - D	6.77
F	Ratio		0.0900
G	Emissions Reductions Required Between 2017 and 2023	E * F	0.61
H	Target Level for 2023 [TL ₍₂₀₂₃₎]	C - D - G	6.16
Emission Level Obtained 2023 - Enforceable MVEB 1			6.06
Emission Level Obtained 2023 - Enforceable MVEB 2 CM Applied			6.00

NOx Target Level for 2023 Milestone Cecil County Maryland Emissions in Tons per Day			
		Formula	
A	2017 Base Year Inventory		9.31
B	Biogenic Emissions		0.82
C	2017 Rate-of Progress Base Year Inventory	A - B	8.48
D	FMVCP/RVP Reductions Between 2017 and 2023		0.00
E	2011 Adjusted Base Year Inventory Calculated Relative to 2018	C - D	8.48
F	Ratio		0.0600
G	Emissions Reductions Required Between 2017 and 2023	E * F	0.51
H	Target Level for 2023 [TL ₍₂₀₂₃₎]	C - D - G	7.98
Emission Level Obtained 2023 - Enforceable MVEB 1			7.81
Emission Level Obtained 2023 - Enforceable MVEB 2 CM Applied			7.68
Contingency Reduction Requirement		% VOC	
Total VOC & NOx Contingency Requirements 3% of 2017 Adjusted Base Year			0.185
10% must be VOC		30%	0.055
Remainder (Maximum 90%) NOx		70%	0.129
			0.185