

Appendix B

Reasonable Further Progress

Summary Excel Tab

Projected Controlled Emission Inventory - Baltimore Nonattainment Area

Projected Controlled Emissions

Source	VOC Emissions		NOx Emissions	
	2017	2023	2017	2023
Biogenics	126.90	126.90	3.92	3.92
Mobile	22.01	17.12	51.15	32.09
Point	5.73	5.98	47.53	48.49
Area	72.23	73.08	10.93	11.55
M-A-R	0.93	1.00	7.44	8.56
Nonroad	21.58	18.77	13.13	9.99
Quasi Point	1.31	1.44	7.27	8.04
Total	123.79	117.38	137.45	118.72

2023 TL Contingency Demo Excel Tab

VOC Target Level for 2023 Milestone Baltimore Nonattainment Area Emissions in Tons per Day			
		Formula	
A	2017 Base Year Inventory		250.69
B	Biogenic Emissions		126.90
C	2017 Rate-of Progress Base Year Inventory	A - B	123.79
D	FMVCP/RVP Reductions Between 2017 and 2023		0.00
E	2017 Adjusted Base Year Inventory Calculated Relative to 2023	C - D	123.79
F	Ratio		0.0450
G	Emissions Reductions Required Between 2017 and 2023	E * F	5.57
H	Target Level for 2023 [TL ₍₂₀₂₃₎]	C - D - G	118.22
	Emission Level Obtained 2023 - No Buffer		117.38
J	Contingency Requirements - Mobile Buffer	0.28%	0.35
	Emission Level Obtained 2023 with Enforceable Conformity Budget Buffer		117.73

NOx Target Level for 2023 Milestone Baltimore Nonattainment Area Emissions in Tons per Day			
		Formula	
A	2017 Base Year Inventory		141.37
B	Biogenic Emissions		3.92
C	2017 Rate-of Progress Base Year Inventory	A - B	137.45
D	FMVCP/RVP Reductions Between 2017 and 2023		0.00
E	2017 Adjusted Base Year Inventory Calculated Relative to 2023	C - D	137.45
F	Ratio		0.1050
G	Emissions Reductions Required Between 2017 and 2023	E * F	14.43
H	Target Level for 2023 [TL ₍₂₀₂₃₎]	C - D - G	123.02
	Emission Level Obtained 2023 - No Buffer		118.72
J	Contingency Requirements - Mobile Buffer	2.56%	3.17
	Emission Level Obtained 2023 with Enforceable Conformity Budget Buffer		121.89

Contingency Reduction Requirement	
Total VOC & NOx Contingency Requirements 3% of 2017 Adjusted Base Year	3.52
10% must be VOC	0.35
Remainder (90%) NOx	3.17
	3.52