

NC Regional Haze Draft SIP – List of Appendix Files

Appendix	Title	File Name	File Size (~MB)
A	Project Reports	Appendix A.1 A-2 A-3 for SIP Combined.pdf	20.4
A-1	VISTAS II Quality Assurance Project Plan	Included in combined file above	
A-2	VISTAS II Work Plan	Included in combined file above	
A-3	VISTAS II Final Project Report for Contract	Included in combined file above	
B	Emissions Preparation and Processing	Appendix B1a B1b B2a B2b for SIP Combined.pdf	20.2
B-1a	VISTAS II Task 2A - Emission Inventory Updates Report (AOI and PSAT)	Included in combined file above	
B-1b	VISTAS II Task 3A - Conversion of the Task 2A 2028 Point Source Files for Emissions Processing with SMOKE	Included in combined file above	
B-1b (Appendix A)	Southeastern VISTAS II Regional Haze Project: Documentation of 2028 Mass Emissions Inventory for Small Electricity Generating Units (EGUs) for States not included in the VISTAS II Region	Included in combined file above (in Appendix B-1b and Appendix B-2b)	
B-1b (Appendix B)	Contains a memorandum and supporting attachments summarizing the problems with the elv3 modeling that were corrected in the elv5 modeling	Appendix_B1b_APP_B_ELV3_REASSESSMENT.zip	0.43
B-2a	VISTAS II Task 2B - Emission Inventory Updates Report (2028 Visibility Estimates)	Included in combined file above	
B-2b	VISTAS II Task 3B - Conversion of the Task 2B 2028 Point Source Remodeling Files for Emissions Processing with SMOKE	Included in combined file above	
B-3*	North Carolina Point Sources Emissions Projections for 2028 [Note: Documents NC methods for preparing 2028 point source inventory from 2016 base year]	Appendix_B-3_NC_Point_Source_2028_Projections_for_SIP.pdf	0.47
C	Monitoring, Meteorological, and Other Data Acquisition and Preparation	Appendix_C_for_SIP.pdf	1.1
D	Area of Influence Analyses		
D-1	Area of Influence Analyses	Appendix D-1 for SIP.pdf	5.7
D-2	Area of Influence and HYSPLIT Graphics for VISTAS and Nearby Class I Areas	Appendix_D-2_AoI_and_HYSPLIT_graphics_for_VISTAS_and_Nearby_ClassI_Areas.pdf	54.7

Appendix	Title	File Name	File Size (~MB)
E	Visibility and Source Apportionment Projections		
E-1a	Regional Haze Modeling for Southeastern VISTAS II Regional Haze Analysis Project – Final Modeling Protocol June 27, 2018	Appendix_E-1a_Vistas Modeling Protocol_for_SIP.pdf	1.8
E-1b	Regional Haze Modeling for Southeastern VISTAS II Regional Haze Analysis Project Final Modeling Protocol Update and Addendum to the Approved Modeling Protocol for Task 6.1 (June 2018) August 31, 2020	Appendix_E-1b_Modeling_Protocol_Update_for_SIP.pdf	1.9
E-2a	Regional Haze Modeling for Southwestern VISTAS II Regional Haze Analysis Project 2011el and 2028el CAMx Benchmarking Report Task 6 Benchmark Report #1 Covering Benchmark Runs #1 and #2 August 17, 2020	Appendix_E-2a_BMR1_Runs1_2_for_SIP.pdf	9.1
E-2b	Regional Haze Modeling for Southeastern VISTAS II Regional Haze Analysis Project 2011el CAMx Version 6.32 and 6.40 Comparison Report Task 6 Benchmark Report Number #2 Covering Benchmark Run #3 August 17, 2020	Appendix_E-2b_BMR2_Run3_for_SIP.pdf	7.1
E-2c	Regional Haze Modeling for Southeastern VISTAS II Regional Haze Analysis Project 2011el CAMx Version 6.40 12km VISTAS and EPA 12km Continental Grid Comparison Report Benchmark Report Task 6 Benchmark Report #3 Covering Benchmark Run #5 August 17, 2020	Appendix_E-2c_BMR3_Run5_for_SIP.pdf	7.2
E-2d	Regional Haze Modeling for Southeastern VISTAS II Regional Haze Analysis Project 2028 CAMx Version 6.32 and 6.40 Comparison Report Task 6 Benchmark Report #4 Covering Benchmark Run #4 August 17, 2020	Appendix_E-2d_BMR4_Run4_for_SIP.pdf	2.7
E-2e	Regional Haze Modeling for Southeastern VISTAS II Regional Haze Analysis Project 2028elv3 CAMx Version 6.40 12km VISTAS and EPA 12km Continental Grid Comparison Report Task 6 Benchmark Report Number #5 Covering Benchmark Run #6 August 17, 2020	Appendix_E-2e_BMR5_Run6_for_SIP.pdf	6.9
E-2f	Regional Haze Modeling for Southeastern VISTAS II Regional Haze Analysis Project 2028 Emissions Version V3 and V5 Comparison Report Benchmark Report Task 6 Benchmark Report #6 Covering Benchmark Run #7 September 22, 2020	Appendix_E-2f_BMR6_Run7_for_SIP.pdf	2.5
E-3	Model Performance Evaluation for Particulate Matter and Regional Haze of the CAMx 6.40 Modeling System and the VISTAS II 2011 Updated Modeling Platform for Task 8.0 October 29, 2020	Appendix_E-3_MPE_PM_and_RH_for_SIP.pdf	11.0

Appendix	Title	File Name	File Size (~MB)
E-3	2011 Model Performance Results by Pollutant and Quarter - CASTNET Sites	Appendix_E-3_APP_A1-MPE by Station and Season-1.pdf	0.3
E-3	2011 Model Performance Results by Pollutant and Quarter - CSN Sites	Appendix_E-3_APP_A2-MPE by Station and Season-2.pdf	0.9
E-3	2011 Model Performance Results by Pollutant and Season - IMPROVE Sites	Appendix_E-3_APP_A3-MPE by Station and Season-3.pdf	0.5
E-3	Model Performance Evaluation Charts – IMPROVE Sites	Appendix_E-3_APP_C_maps_pred_obs_mpe_results_station_all_dates_improve.xlsx	4.5
E-3	Mass Budgets and best Budgets – IMPROVE Sites	Appendix_E-3_APP_F_PM_EXINCTION_MPE.xlsx	19.7
E-4	Deposition Model Performance Evaluation Southeastern VISTAS II Regional Haze Analysis Project (Task 8.1), Revised Final – January 22, 2021	Appendix_E-4_(MPE_Deposition)_for_SIP.pdf	9.0
E-5	Model Performance Evaluation for Ozone of the CAMx 6.40 Modeling System and the VISTAS II 2011 Updated Modeling Platform (Task 8.0) August 17, 2020	Appendix_E-5_MPE_Ozone_for_SIP.pdf	3.3
E-5	Ozone Monitoring Sites for MPE	Appendix_E-5_AppendixA1-OzoneMPEbyStation.xlsx	0.1
E-6	Future Year Model Projections Task 9a September 23, 2020	Appendix_E-6_(Future Year Model Projections)_for_SIP.pdf	1.1
E-6	Fine, Total Mass, and Daily Extinction Budgets	Appendix_E-6_APP_A_ag_v6_40.2028elv5.vistas_12_SESARM(4 Sept 2020).xlsx	8.4
E-6	Stacked Bar Charts for Clearest and Most Impaired Days	Appendix_E-6_APP_B_StackedBarCharts.xlsx	0.1
E-6	URP Charts	Appendix_E-6_APP_C_SESARM_2028elv5_URP_20200903.xlsx	0.4
E-7a	Particulate Source Apportionment Technology Modeling Results Task 7 August 31, 2020	Appendix_E-7a_PSAT_Model Results_for_SIP.pdf	1.0
E-7a	Modeling results for PSAT-Tagged Sources (adjusted Sept 2020)	Appendix_E-7a_ATTACHMENT_A_PSAT_TAG_RESULTS_adjusted_09-02-2020.xlsx	4.6
E-7a	Modeling results for PSAT-Tagged Sources (original)	Appendix_E-7a_ATTACHMENT_A_PSAT_TAG_RESULTS_Original.xlsm	6.0
E-7b	Roadmap for PSAT Scaled Adjustments	Appendix_E-7b_Roadmap_for_PSAT_Scaled Adjustments_for_SIP.pdf	0.3

Appendix	Title	File Name	File Size (~MB)
E-7b	Modeling results for PSAT-Tagged Sources (adjusted Sept 2020)	Appendix E-7b ATTACHMENT A PSAT TAG RESULTS adjusted 09-02-2020.xlsx	4.6
E-7b	Summary of AOI Data for Vistas States	Appendix E-7b VISTAS AOI Data Summary.xlsx	1.3
E-7b	Comparison of original and updated modeling	Appendix E-7b VISTAS Emissions 2028 Comparisons Remodeling 200902.xlsx	4.5
E-7b	PSAT Percent Contribution Rankings	Appendix E-7b VISTAS PSAT Percent Contribution Rankings 02-09-2021 calcs.xlsx	21.5
E-7b	PSAT Percent Contribution Rankings	Appendix E-7b VISTAS PSAT Percent Contribution Rankings 02-09-2021.xlsx	10.0
E-8	SMAT 2028 Bulk- EPA 2019 Modeling with Graphics	Appendix E-8 SMAT 2028 Bulk for SIP.pdf	0.2
F	Consultation		
F-1*	NC Letters to VISTAS States	Appendix F-1 for SIP.pdf	3.6
F-2	VISTAS State to NonVISTAS State Consultation		
F-2a	VISTAS Consultation with AR Office of Air Quality	Appendix F-2a.pdf	6.5
F-2b	VISTAS Consultation with IN Office of Air Quality	Appendix F-2b.pdf	0.5
F-2c	VISTAS Consultation with MO Air Pollution Control Program	Appendix F-2c.pdf	0.4
F-2d	VISTAS Letter to OH Division of Air Pollution Control	Appendix F-2d.pdf	2.1
F-2e	VISTAS Consultation with PA Bureau of Air Quality	Appendix F-2e.pdf	10.0
F-2f	MDE Consultation with VERSO Corporation – Luke Mill	Appendix F-2f.pdf	0.3
F-3	EPA/FLM/Stakeholder Outreach and Presentations	Appendix F-3a to F-3n.pdf	59.4
F-4*	NC's Consultation with MANE-VU	Appendix F-4 NC Consultation with MANE-VU.pdf	4.6
F-4a*	NC's Response to MANE-VU Comments on NC's Pre-hearing Draft RH SIP	Appendix F-4a NC Response to MANE-VU Comments on NC Draft RH SIP.pdf	1.9
F-4b*	NC's Response to New Jersey's Comments on NC's Pre-hearing Draft RH SIP	Appendix F-4b NC Response to NJ Comment on NC RH SIP.pdf	4.9
F-4c*	NC's Comments on New Jersey's Draft RH SIP	Appendix F-4c NC Comments on NJ RH SIP.pdf	2.6
F-4d*	NC's Comments on New Hampshire's Initial Draft 2019 RH SIP	Appendix F-4d NC Comments on NH RH Proposed SIP 2019.pdf	5.7
F-4e*	NC's Comments on New Hampshire's Draft 2021 RH SIP	Appendix F-4e NC Comments on NH RH Proposed SIP 2021.pdf	3.1
F-5*	Environmental Justice Reports	Appendix F-5 for SIP.pdf	3.4
F-5a*	Western NC EJSCREEN Report	Included in combined file above	

Appendix	Title	File Name	File Size (~MB)
F-5b*	Swanquarter EJSscreen Report	Included in combined file above	
G	NC Reasonable Progress Assessments		
G-1*	Reasonable Progress Assessment for Blue Ridge Paper Products, LLC – Canton, NC	Appendix_G-1_BRPP.pdf	19.5
G-2*	Reasonable Progress Assessment for Domtar Paper Company, LLC – Plymouth, NC	Appendix_G-2_Domtar.pdf	6.6
G-2a*	Four Factor Analysis for Domtar Paper Company, LLC – Plymouth, NC	Included in combined file above	
G-2b*	Domtar Paper Company – Permit No. 04291T50	Included in combined file above	
G-3*	Reasonable Progress Assessment for PCS Phosphate Company, Inc. – Aurora, NC	Appendix_G-3_PCS_Phosphate.pdf	4.5
G-3a*	Four-Factor Analysis for PCS Phosphate Company, Inc. – Aurora, NC	Included in combined file above	
G-3b*	PCS Phosphate Company – Permit No. 04176T66	Included in combined file above	
H*	Federal Land Manager Consultation and Comments	Appendix_H1-H3_For_SIP.pdf	2.1
H-1*	Consultation with FLM PowerPoint Presentation (April 20, 2021)	Included in combined file above	
H-2*	Comments received from NPS Air Resources Division (June 4, 2021)	Included in combined file above	
H-3*	Comments received from USFS (June 3, 2021)	Included in combined file above	
I*	Public Comment Process, Comments Received, and Responses to Comments	Appendix_I_for_SIP.pdf	26.4

* North Carolina-specific appendix.