



THE STATE
of ALASKA
GOVERNOR MIKE DUNLEAVY

Department of Environmental
Conservation

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December 15, 2020

Mr. Chris Hladick
U.S. EPA Region 10
Regional Administrator's Office, RA-210
1200 Sixth Avenue, Suite 900
Seattle, WA 98101

Subject: SIP Submittal of 2020 Amendments to the Fairbanks Serious SIP – DEC Priority

Dear Mr. Hladick:

This letter provides amendments to Alaska's State Air Quality Control Plan (State Implementation Plan (SIP)) to meet the Serious nonattainment area planning requirements for the Fairbanks North Star Borough fine particulate matter (PM_{2.5}) area, adopted by reference into Alaska Administrative Code (AAC) at 18 AAC 50.030, Air Quality Control regulations, with an effective date of December 25, 2020. Specific provisions are submitted for EPA approval, while other provisions are included for informational purposes only, to show a complete record of the rulemaking.

On November 25, 2020, the Lt. Governor signed and filed the following changes to the Alaska Department of Environmental Conservation's (DEC) regulations in 18 AAC 50:

- Amend 18 AAC 50.030 to adopt revisions to the State Air Quality Control Plan by
 - revising section: Volume II, Section III.D.7: Fairbanks North Star Borough (FNSB) Fine Particulate Matter (PM-2.5) Serious State Implementation Plan (SIP) with the 2020 Amendments ; and
 - amending Volume III Appendix to Volume II, Section II to incorporate the proposed regulations after public review and comment. This appendix within the State Air Quality Control Plan contains the state's air quality regulations.

DEC is submitting the Fairbanks Serious SIP 2020 amendments to EPA for approval today. Note that this SIP submission includes revisions to the State Air Quality Control Plan that have previously been submitted by Alaska to EPA as a SIP revision, and on which EPA has not yet taken final action. These revisions are intended to meet the additional planning requirements under Clean Air Act (CAA) section 189(d) and EPA's implementing regulations. By this letter, DEC is submitting the additions to Chapters III.D.7.04, III.D.7.05, III.D.7.06, III.D.7.07, III.D.7.08, III.D.7.11, and III.D.7.12 and is withdrawing previously submitted Chapters III.D.7.09, III.D.7.10, and III.D.7.14 and submitting new Chapters III.D.7.09, III.D.7.10, and III.D.7.14. DEC requests approval of the revised and new chapters. These revised and new chapters, along with the revisions to regulations in 18 AAC 50 submitted on December 13, 2019, are intended to collectively satisfy the requirements of

CAA section 189(b) and 189(d) and EPA's implementing regulations. Moreover, we certify that the SIP-approved nonattainment new source review program (84 FR 45419) for the area meets 189(d) plan requirements: see Chapter III.D.7, subsection 7.7.12.9 DEC Stationary Source Control (New Source Review) of this submission.

We will submit the documents listed in the enclosure via the EPA's SPeCS system. Modeling files will be submitted on an external hard drive or through an FTP site, and additional documents may be submitted on the same hard drive or FTP site if they are too large for, or of a file type that is not compatible with, the SPeCS system. If requested, we can provide one paper copy and one electronic version of the documents to Matt Jentgen of your staff (note that the electronic version would be an exact duplicate of the paper copy).

Alice Edwards is available to your staff to respond to questions or to otherwise assist. She can be phoned at (907) 465-5109. As always, I would be pleased to discuss any of this with you.

Sincerely,



Jason W. Brune, Commissioner

Cc: Krishna Viswanathan, Director, Office of Air and Waste, EPA Region 10
Debra Suzuki, Office of Air and Waste, EPA Region 10
Matt Jentgen, Office of Air and Waste, EPA Region 10
Kristin Hall, Office of Air and Waste, EPA Region 10
Emma Pokon, Deputy Commissioner, DEC
Alice Edwards, Director, Division of Air Quality
Cindy Heil, Program Manager, ANPMS Program, DEC

Enclosure
2020 Amendments to Fairbanks Serious SIP Requirements Documents

- Lt. Governor's certified Filing Certificate for Permanent Regulations, including Signed Adoption Order and Memorandum of Filed Permanent Regulations, signed on November 25, 2020, with an effective date of regulations of December 25, 2020;
- Notice of Public Comment Period, signed September 10, 2020;
- Affidavit of Notice of Proposed Adoption of Regulations and Furnishing of Additional Information, signed October 23, 2020;
- Affidavit of Publication for the Public Notice, Anchorage Daily News, signed September 14, 2020;
- Affidavit of Publication for the Public Notice, Fairbanks Daily News Miner, signed October 2, 2020;
- Supplemental Notice of Public Comment Period, signed October 2, 2020;
- Affidavit of Supplemental Notice of Proposed Adoption of Regulations and Furnishing of Additional Information, signed October 23, 2020;
- Affidavit of Publication for the Supplemental Public Notice, Anchorage Daily News, signed October 5, 2020;
- Affidavit of Publication for the Supplemental Public Notice, Fairbanks Daily News Miner, signed October 26, 2020;
- Public Review Draft of 18 AAC 50 regulations which shows the changes made to the regulations, with bold lettering as new language and bracketed language as old language, dated September 10, 2020;
- Affidavit of Oral Hearing, signed October 23, 2020;
- Response To Comments, November 18, 2020;
- Affidavit of Agency Record of Public Comment, signed November 13, 2020;
- Adoption Draft of 18 AAC 50 regulations, dated November 18, 2020;
- A copy of the rekeyed regulation amendments prepared by the Department of Law for transmittal to the Lt. Governor for certification and filing, with Register 236, January 2021, handwritten;
- The adopted 2020 Amendments to the following documents are being submitted, rather than submitting the entire documents, except new chapters as noted; the 2019 documents were submitted last year:
 - Volume II Section III: Areawide Pollutant Control Program: Section III.D.7.4 Fairbanks North Star Borough Fine Particulate Matter (PM_{2.5}) Serious Area Attainment Plan: Ambient Air Quality Data and Trends, adopted November 18, 2020;
 - Volume II Section III: Areawide Pollutant Control Program: Section III.D.7.5 Fairbanks North Star Borough Fine Particulate Matter (PM_{2.5}) Serious Area Attainment Plan: PM_{2.5} Network and Monitoring Program, adopted November 18, 2020;
 - Volume II Section III: Areawide Pollutant Control Program: Section III.D.7.6 Fairbanks North Star Borough Fine Particulate Matter (PM_{2.5}) Serious Area Attainment Plan: Emission Inventory Data, adopted November 18, 2020;

- Volume II Section III: Areawide Pollutant Control Program: Section III.D.7.7 Fairbanks North Star Borough Fine Particulate Matter (PM_{2.5}) Serious Area Attainment Plan: Control Strategies, adopted November 18, 2020;
- Volume II Section III: Areawide Pollutant Control Program: Section III.D.7.8 Fairbanks North Star Borough Fine Particulate Matter (PM_{2.5}) Serious Area Attainment Plan: Modeling, adopted November 18, 2020;
- Volume II Section III: Areawide Pollutant Control Program: Section III.D.7.9 Fairbanks North Star Borough Fine Particulate Matter (PM_{2.5}) Serious Area Attainment Plan: Attainment Demonstration – 2024 & 2029, adopted November 18, 2020 (new chapter);
- Volume II Section III: Areawide Pollutant Control Program: Section III.D.7.10 Fairbanks North Star Borough Fine Particulate Matter (PM_{2.5}) Serious Area Attainment Plan: Reasonable Further Progress and Quantitative Milestones, adopted November 18, 2020 (new chapter);
- Volume II Section III: Areawide Pollutant Control Program: Section III.D.7.11 Fairbanks North Star Borough Fine Particulate Matter (PM_{2.5}) Serious Area Attainment Plan: Contingency Measures, adopted November 18, 2020;
- Volume II Section III: Areawide Pollutant Control Program: Section III.D.7.12 Fairbanks North Star Borough Fine Particulate Matter (PM_{2.5}) Serious Area Attainment Plan: Fairbanks Emergency Episode Plan, adopted November 18, 2020;
- Volume II Section III: Areawide Pollutant Control Program: Section III.D.7.14 Fairbanks North Star Borough Fine Particulate Matter (PM_{2.5}) Serious Area Attainment Plan: Air Quality Conformity and Motor Vehicle Emission Budget, adopted November 18, 2020 (new chapter);
- Volume III: Appendix III.D.7.05: Appendix to Volume II. Analysis of Problems, Control Actions; Section III. Area-wide Pollutant Control Program; D. Particulate Matter; 7. Fairbanks North Star Borough PM_{2.5} Control Plan, Serious Requirements, adopted November 18, 2020;
- Volume III: Appendix III.D.7.06: Appendix to Volume II. Analysis of Problems, Control Actions; Section III. Area-wide Pollutant Control Program; D. Particulate Matter; 7. Fairbanks North Star Borough PM_{2.5} Control Plan, Serious Requirements, adopted November 18, 2020; the 2020 Amendment SIP Sector Emission Summary Calculation Spreadsheet, September 4, 2020, and Control Measure Benefits Calculation Spreadsheet, September 4, 2020 (these Excel files are also the attachments for Volume III: Appendix III.D.7.09 and Volume III: Appendix III.D.7.10); and 2020 Amendment SIP Emissions by Source Sector Emission and SCC Spreadsheet (Emission Inventory) Excel files;
- Volume III: Appendix III.D.7.07: Appendix to Volume II. Analysis of Problems, Control Actions; Section III. Area-wide Pollutant Control Program; D. Particulate Matter; 7. Fairbanks North Star Borough PM_{2.5} Control Plan, Serious Requirements adopted November 18, 2020; and 2020 Amendment Revised Cost Effectiveness Analysis Spreadsheet and Cost Effectiveness Analysis of Charbroilers Spreadsheet Excel files;
- Volume III: Appendix III.D.7.08: Appendix to Volume II. Analysis of Problems, Control Actions; Section III. Area-wide Pollutant Control Program; D. Particulate Matter; 7. Fairbanks North Star Borough PM_{2.5} Control Plan, Serious

- Requirements, adopted November 18, 2020, and 2020 Amendment SIP SMAT Spreadsheet Excel file;
- Volume III: Appendix III.D.7.09: Appendix to Volume II. Analysis of Problems, Control Actions; Section III. Area-wide Pollutant Control Program; D. Particulate Matter; 7. Fairbanks North Star Borough PM2.5 Control Plan, Serious Requirements, adopted November 18, 2020; the 2020 Amendment SIP Sector Emission Summary Calculation Spreadsheet, September 4, 2020, and Control Measure Benefits Calculation Spreadsheet, September 4, 2020, Excel files were submitted under Volume III: Appendix III.D.7.06;
 - Volume III: Appendix III.D.7.10: Appendix to Volume II. Analysis of Problems, Control Actions; Section III. Area-wide Pollutant Control Program; D. Particulate Matter; 7. Fairbanks North Star Borough PM2.5 Control Plan, Serious Requirements, adopted November 18, 2020; the 2020 Amendment SIP Sector Emission Summary Calculation Spreadsheet, September 4, 2020, and Control Measure Benefits Calculation Spreadsheet, September 4, 2020, Excel files were submitted under Volume III: Appendix III.D.7.06;
 - Volume III: Appendix III.D.7.14: Appendix to Volume II. Analysis of Problems, Control Actions; Section III. Area-wide Pollutant Control Program; D. Particulate Matter; 7. Fairbanks North Star Borough PM2.5 Control Plan, Serious Requirements, adopted November 18, 2020; the supporting MOVES and other modeling files will be submitted on an external hard drive or via an FTP site;
 - Additionally, public notice draft versions of the Chapters and Appendices, September 10, 2020, are being submitted for cross referencing purposes;
 - Volume III, Appendix, Section II.A, adopted November 18, 2020.