



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10

1200 Sixth Avenue, Suite 155
Seattle, WA 98101-3123

AIR & RADIATION
DIVISION

JUN 26 2019

Ms. Barbara Trost
Air Quality Division
Air Monitoring & Quality Assurance Program
Alaska Department of Environmental Conservation
555 Cordova Street
Anchorage, Alaska 99501-2617

Dear Ms. Trost:

This letter is in response to your May 15, 2019, correspondence requesting to modify the existing PM_{2.5} ambient air monitoring network for the Fairbanks PM_{2.5} nonattainment area. In this correspondence you requested to discontinue the operation of the State Office Building ambient air monitoring station (AQS ID: 02-090-0010) and relocate the PM_{2.5} sampling equipment to the proposed Fairbanks A-Street monitoring station (AQS ID: 02-090-0040).

My staff completed the review of the information you provided. We agree that the results of your 2018/2019 winter season study demonstrate that the A-Street location is more representative of the general Hamilton Acres neighborhood area than the State Office Building location. Your study also indicates that the A-Street monitoring location also experiences wintertime PM_{2.5} daily concentrations higher than the State Office Building station. Per 40 CFR 58.14(c) the EPA can approve the discontinuation of a State and Local Air Monitoring Station (SLAMS) monitor if implementation of the NAAQS is not compromised and the requirements of 40 CFR Part 58, Appendix D continue to be met.

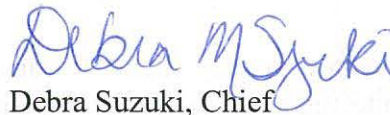
My office consulted the EPA's Office of Air Quality Planning and Standards regarding your request. Through that conversation we determined that because the Hurst Road monitoring station (AQS ID: 02-090-0035) is the controlling design value monitor for the Fairbanks nonattainment area, implementation of the NAAQS will not be compromised by discontinuing the State Office Building monitoring station to establish the A-Street monitoring station. The regulatory PM_{2.5} monitoring network size will not be changed through this network modification, so the minimum PM_{2.5} network size requirements specified in 40 CFR Part 58, Appendix D will continue to be met by ADEC for the Fairbanks Metropolitan Statistical Area.

Region 10 approves the relocation of the State Office Building air monitoring samplers (AQS ID: 02-090-0010) to the A-Street Station (AQS ID: 02-090-0040). Region 10 approves the shutdown of the SLAMS PM_{2.5} State Office Building station during CY 2019, with the specific date for the shutdown during CY 2019 to be determined by ADEC to best meet the logistical requirements of establishing the A-Street station prior to the start of the 2019/2020 winter season. As resources permit, the EPA encourages ADEC to continue the operation of the State Office Building air monitoring station through the end of CY 2019 in addition to establishing the A-Street monitoring station this year. This would allow for the computation of a more statistically valid design value at the State Office Building monitoring station. However, priority should be given to establishing the A-Street monitoring station

with a regulatory monitoring method as soon as possible over continuing to operate the FRM sampler at the State Office Building air monitoring station if resource constraints arise. The PM_{2.5} monitor for the A-Street station will be designated as a SLAMS monitor in AQS for the Fairbanks North Star Borough network when this monitor becomes operational in CY 2019. Note that we would not be able to use the monitoring data from the A-Street station for determining attainment until there is a valid 3-year design value, 2020-2022 would be the earliest.

Thank you for performing the parallel monitoring study to assess the A-Street station's representativeness for this PM_{2.5} monitor relocation. Please continue to keep my staff informed as the State Office Building station is discontinued and when the A-Street station becomes operational. If you have any questions regarding this SLAMS relocation approval, please contact me at (206) 553-0985 or Doug Jager at (206) 553-2961.

Sincerely,



Debra Suzuki, Chief
Air Planning, State/Tribal Coordination Branch