



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10

1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

DEC 1 2015

OFFICE OF
AIR, WASTE, AND TOXICS

MEMORANDUM

SUBJECT: Surface Friction Velocity (u_*) Non-Default/Beta Option in AERMET Version 15181;
Alternative Refined Model Demonstration

FROM: Kate Kelly, Director
Office of Air, Waste, and Toxics

A handwritten signature in blue ink, appearing to read "Kate Kelly", written over the "FROM:" line.

TO: Tyler Fox
Lead, Air Quality Modeling Group

The purpose of this memorandum is to seek Model Clearinghouse concurrence with the Region 10 Office of Environmental Assessment technical staff decision to approve the use of the surface friction velocity (u_*) non-default/beta option (u_* option) in Version 15181 of the American Meteorological Society/Environment Protection Agency Regulatory Improvement Committee (AERMIC) meteorological (AERMET) preprocessor program. The approval of an alternative option in the AERMET preprocessor program is the responsibility of the Region Administrator pursuant to Section 3.0.b and 3.2.2.a in Appendix W of 40 CFR Part 51. To support this approval, Region 10's staff reviewed and determined that the materials included in the request from the Alaska Department of Environmental Conservation for the EPA approval of the use of the u_* option adequately address the elements of condition (2) of Section 3.2.2.b and Section 3.2.2.d of Appendix W. In order to maintain national consistency, this memorandum seeks your concurrence with Region 10's approval of the u_* option. The attached October 20, 2015, Memorandum from Herman Wong to Alan Schuler (ADEC) includes the details of the Region 10's staff review and determination.

If you have any questions on this approval, please contact David Bray at (206) 553-4253.

Attachment

cc: Mr. David Bray
Mr. Mahbubul Islam
Mr. Richard Wayland