



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NC 27711

OCT 08 2015

OFFICE OF  
AIR QUALITY PLANNING  
AND STANDARDS

**MEMORANDUM**

SUBJECT: TSD Data Table Errata, Page 27 of Docket Id No. EPA-HQ-OAR-2015-0310-0027

FROM: George M. Bridgers, EPA Model Clearinghouse Director  
Air Quality Modeling Group, C439-01  
Office of Air Quality Planning and Standards

A handwritten signature in black ink that reads "George M. Bridgers".

TO: Proposed Regulatory Docket No. EPA-HQ-OAR-20 15-0310

At the time of submission of the "Technical Support Document (TSD) for Replacement of CALINE3 with AERMOD for Transportation Related Air Quality Analyses" to the Docket, data for the table on Page 27 of the TSD was inadvertently inserted from the CAL3QHC model execution with the "rural" option rather than the "urban" option. To correctly match the comparison with the AERMOD model execution, the CAL3QHC model data should have reflected execution with the "urban" option. This was an error that was made in the final document assembly and does not alter the conclusion of the Technical Support Document.

The corrected data table is attached to this memorandum. Please substitute the attached page for Page 27 of the "Technical Support Document (TSD) for Replacement of CALINE3 with AERMOD for Transportation Related Air Quality Analyses" document, Docket ID No. EPA-HQ-OAR-2015-0310-0027.

cc: Richard Wayland, C304-02

Tyler Fox, C439-01

EPA SCRAM Website, 11th Conference on Air Quality Modeling Informational Webpage

Attachments: Corrected Page 27

<b>Modeled Concentrations of CO (CAL3QHC vs. AERMOD)</b>			
<b>Model Scenario</b>	<b>CAL3QHC (ppm)</b>	<b>CAL3QHC (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>AERMOD (<math>\mu\text{g}/\text{m}^3</math>)</b>
<b>CAL3QHC Meteorology</b> <i>CAL3QHC: Mix Ht = 1000 m, Ws = 1 m/s, Stability = 5</i> <i>AERMOD: Mix Ht = 992 m, Ws = 1 m/s, L = 572.5 m</i>	1.6	1832.0	706.0
<b>CAL3QHC Meteorology (w/ MAKEMET Ws)</b> <i>CAL3QHC: Mix Ht = 1000 m, Ws = 10 m/s, Stability = 5</i> <i>AERMOD: Mix Ht = 992 m, Ws = 10 m/s, L = 572.5 m</i>	0.5	572.5	563.0
<b>Highly Stable (Night)</b> <i>CAL3QHC: Mix Ht = 57 m, Ws = 1 m/s, Stability = 6</i> <i>AERMOD: Mix Ht = 57 m, Ws = 1 m/s, L = 3.3 m</i>	2.3	2633.5	4,088.7
<b>Moderately Unstable (Day)</b> <i>CAL3QHC: Mix Ht = 645 m, Ws = 2 m/s, Stability = 2</i> <i>AERMOD: Mix Ht = 645 m, Ws = 2 m/s, L = -3.4 m</i>	0.4	458.0	714.6

**Table 1 - Results of CAL3QHC and AERMOD CO screening tests**