



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
RESEARCH TRIANGLE PARK, NC 27711

JUN 22 2011

OFFICE OF
AIR QUALITY PLANNING
AND STANDARDS

MEMORANDUM

SUBJECT: Opacity Monitor Manufacturers May Certify Conformance with PS-1 Following ASTM D6216-98, D6216-03, or D6216-07

FROM: Conniesue B. Oldham, Ph.D., Group Leader *Connie Oldham*
Measurement Technology Group (E143-02)

TO: Addressees

I would like to alert you to revisions to the American Society of Testing and Materials (ASTM) D6216 Standard Practice for Opacity Monitor Manufacturers to Certify Conformance with Design and Performance Specifications. The ASTM D6216 practice affects performance specifications for continuous opacity monitoring systems (COMS) specified in Performance Specification 1 (PS-1) of 40 CFR Part 60, Appendix B.

The PS-1 published in the Federal Register on August 10, 2000, incorporated by reference ASTM D6216-98 in its entirety. The ASTM completed revisions to D6216-98 in 2003, and the revised standard practice was designated ASTM D6216-03. In November 2007, the ASTM published revisions to D6216-03, and the current revised standard practice is designated ASTM D6216-07.

We have reviewed the revised standard practice, ASTM D6216-07 and determined that the changes have improved the previous standard practices (see attachment for a summary of the changes). We are in the process of updating PS-1 to reference ASTM D6216-07. Until we complete the revisions to PS-1, opacity monitors certified in accordance with either D6216-98, D6216-03, or D6216-07 will be acceptable.

Please contact Lula Melton at (919) 541-2910 or email at melton.lula@epa.gov if you have questions or need additional clarification.

Attachment

Addressees:

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Summary of Changes

1. Minor typographical and cross-reference errors were corrected in the main text.
2. Annex A1 which allows the practice to cover opacity monitors intended for use where the applicable opacity limit is less than 10 percent was added.
3. Annex A2 which gives guidance on the calibration of standard attenuators was added.
4. Appendix X1 which shows the error budget for an opacity monitor whose performance is in accordance with the practice was added.
5. Appendix X2 which gives guidelines for the ongoing maintenance of opacity monitors covered by the practice was added.