

**PROCEDURE 2—Quality Assurance Requirements for
Particulate Matter Continuous Emission Monitoring Systems at Stationary Sources
(40 CFR 60, Appendix F)**

Summary of Routine System Check Requirements

Drift Check [§§10.2(1), 10.2(2), 10.2(4), 10.4(1)]

- Applicability: all PM CEMS
- Frequency: daily
- Procedure:
 - Check zero and upscale drift
 - Adjust instrument if daily zero or upscale drift exceeds 4 percent
 - If instrument automatically adjusts for drift, it must be programmed to record either the unadjusted concentration or the amount of the adjustment
- Use Equation 2-3 to calculate zero drift
- Use Equation 2-2 to calculate upscale drift
- Instrument is out of control if zero or upscale drift exceeds:
 - 4 percent for 5 consecutive days
 - 8 percent for any one day

System Optics Check [§10.2(3)]

- Applicability: light-scattering, extinction type, or other optical PM CEMS
- Frequency: daily
- Procedure:
 - check system optics to ensure proper operation

Sample Volume Check [§§10.2(5), 10.4(2)]

- Applicability: extractive PM CEMS that incorporate measured sample volume in output
- Frequency: daily
- Procedure:
 - check sample volume at normal sampling rate
 - adjust system if daily sample volume check error exceeds 10 percent
- Instrument is out of control if sample volume check error exceeds:
 - 10 percent for 5 consecutive days
 - 20 percent for any one day