

40 CFR Parts 53 and 58: Revisions to Ambient Air Monitoring Regulations – Final Rule  
 Known Errors in Federal Register Printing 71 FR 61236 – 61328  
 Updated 1/11/2007

| FR Page | Section  | Error Description   | PDF page of correct reference in signed file |
|---------|--|---|--|
| 61284   | Subpart C of Part 53 - §53.35(e) and §53.35(f) - Tests for reference method and candidate method precision     | Equations 13 and 15: <b>100%</b> should <b>not</b> be included under square root symbol.  | 270-271                                      |
| 61284   | Subpart C of Part 53 - §53.35(g) - Test for additive and multiplicative bias (comparative slope and intercept) | Equation 17 – Left part of equation should be $\bar{R}$ not $\bar{R}_j$ .   | 272  |
| 61284   | Subpart C of Part 53 - §53.35(h) - Tests for comparison correlation  | Equation 21 – <b>radical</b> sign in the denominator does not cover both summation signs.   | 273-274                                      |
| 61285   | Table C-1 to Subpart C of Part 53 – Test Concentration Ranges, Number of Measurements                          | Two entries of “ <b>18</b> ” should be moved 3 columns left to appear in the “Second Set” column rather than as shown in the right-most column. | 275  |

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|       | Required, and Maximum Discrepancy Specification   |   |     |
|-------|---|---|-----|
| 61285 | Table C-4 to Subpart C of Part 53 - Test Specifications for PM10, PM2.5 and PM10-2.5 Candidate Equivalent Methods | Erroneous character in table title – Test Specifications for PM10, PM2.5 and PMR10-2.5 Candidate Equivalent Methods   | 277 |
| 61286 | Table C-4 to Subpart C of Part 53 - Test Specifications for PM10, PM2.5 and PM10-2.5 Candidate Equivalent Methods | Values for Correlation of reference method and candidate method measurements for PM2.5 Class II and III, and PM10-2.5 Class II and III are <u>missing</u> .<br>$\geq 0.93$ . . . . . for $CCV \leq 0.4$ ;<br>$\geq 0.85 + 0.2 \times CCV$ . for $0.4 \leq CCV \leq 0.5$ ;<br>$\geq 0.95$ . . . . . for $CCV \geq 0.5$ | 278 |
| 61287 | Figure C-1 to Subpart C of Part 53 – Suggested Format for Reporting Test Results for Methods for So2, CO, O3, NO2 | Title and the first lines of content appear as section text rather than as proper parts of Figure C-1.  | 280 |
| 61294 | Table E-1 to Subpart E of   | Spurious “?” characters throughout table.   | 312 |

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|          |  |   |     |
|----------|--|---|-----|
|          | Part 53 - Summary of Test Requirements for Reference and Class I Equivalent Methods for PM2.5 and PM10-2.5 | §53.56 cell reference, Barometric pressure effect test, Sample flow rate performance specification, value should be 16.67 (versus 16.6).  |     |
| 61296    | Table F-1 to Subpart F of Part 53 – Performance Specifications for PM2.5 Class II Equivalent Samplers      | Spurious “?” characters throughout table.   | 318 |
| 61300    | Figure 1 of Subpart B of Part 58 - §58.12 – Ratio to Standard for PM10 Operating Schedule                  | <u>Missing</u> value (1.4) on X axis of Figure 1.   | 343 |
| 61309-10 | Appendix A of Part 58 - Quality Assurance Requirements for SLAMS, SPMs, and PSD Air Monitoring             | <u>Missing character in Equation 7:</u><br>Lower Probability Limit = $m - 1.96 \cdot S$<br><u>Missing minus sign in caption below</u><br><u>Equation 11:</u> a chi-squared distribution with $n - 1$ degrees of freedom<br><u>Equation 12:</u> missing “dots” in caption: | 406 |

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|   |                         |   |     |
|---|-------------------------|---|-----|
|   |                         | where, $n_j$ is the number of pairs and $d_1, d_2, \dots, d_{n_j}$ are the biases   |     |
| <b>Additional Part 53 Errors not listed above</b> |                         |   |     |
| 61284   | Subpart C, §53.35(d)(4) | In Equation 12, the “n” over the summation symbol should be “m.”  | 269 |
| 61285   | Subpart C, Table C-1    | The four occurrences of “Total” in the first column should be in the second column.   | 275 |
| 61285   | Subpart C, Table C-2    | Table C-2 is correct, but the way it is broken into 2 parts makes it rather difficult to read (at first anyway). This may be corrected when it is put in the CFR. | 276 |
| 61286   | Subpart C, Table C-4    | In the column header for the last 2 columns, the “ $PM_{10-2.5}$ ” should be “ $PM_{10-2.5}$ ”  | 277 |
| 61286   | Subpart C, Table C-4    | The horizontal line under “ $R_j > 60 \mu\text{g}/\text{m}^3$ ” in the table should be removed.   | 277 |
| 61286   | Subpart C, Table C-4    | In the first column, in the “Precision of replicate reference method measurements...” row, the “prime” symbols should be removed from the                         | 277 |

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|       |                                |   |           |
|-------|--------------------------------|---|-----------|
|       |                                | “RP <sub>Rj</sub> ” and “PM <sub>10-2.5</sub> ” entries.  |           |
| 61286 | Subpart C, Table C-4           | There should be a period at the end of the entry in the last column, Intercept row, and at the end of the second footnote.  | 278       |
| 61287 | Subpart C, Figure C-1          | The title and the first 4 lines of the table are printed as text rather than part of the table.   | 280       |
| 61287 | Subpart C, Figures C-2 and C-3 | “PM2.5” should be “PM <sub>2.5</sub> ,” “μg/m <sup>3</sup> ” should be “μg/m <sup>3</sup> .” Also, the “Class II” and “Class III” labels should indicate the outline of the hexagons rather than the area inside, to be consistent with the title, which indicates “Acceptance Limits.” | 281 - 282 |
| 61289 | Subpart C, Figure C-4          | In the axes labels, the commas should be deleted and the “r” and the “CCV” should be in parentheses.  | 283       |
| 61293 | Subpart E, Section §53.58(g)   | In Equation 26, the symbol “C <sub>1,j</sub> ” should be “C <sub>i,j</sub> ”.   | 309       |
| 61294 | Subpart E, Table E-1           | In the 3 <sup>rd</sup> column, row identified as “§53.56...,” there should be a comma after “16.67 ± 5%” and before “L/min.”  | 312       |
| 61294 | Subpart E, Table E-1           | In the 3 <sup>rd</sup> column, row identified as  | 312       |

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|          |                      |   |          |
|----------|----------------------|---|----------|
|          |                      | “§53.57...,” one of the two periods at the end of item 3 should be removed.   |          |
| 61294    | Subpart E, Table E-1 | In the fourth column, row identified as “§53.57...,” item (c) should be “Solar flux of $1000 \pm 50 \text{ W/m}^2$ ” not “Solar flux of $1000 ? 50 \text{ W/m}^2$ ”           | 312      |
| 61294    | Subpart E, Table E-1 | The dot leaders in table E-1 seem misleading and particularly offensive, but apparently that is the style of the GPO.   | 312      |
| 61296    | Subpart F, Table F-1 | In the last column, row identified as “§53.64,” “ $\text{Dp}_{50} = 2.5 \mu\text{m} ? 0.2 \mu\text{m}$ ” should be “ $\text{Dp}_{50} = 2.5 \mu\text{m} \pm 0.2 \mu\text{m}$ ” | 318      |
| 61296    | Subpart F, Table F-1 | In the last column, last row, there should be a comma after “0.15mg” and before “ $r \geq 0.97$ .”  |          |
| Multiple | All Parts 53 and 58  | Starting on FR page 61272, “ $\text{PM}_{10c}$ ” becomes “ $\text{PM}_{10C}$ ” except for one occurrence of $\text{PM}_{10c}$ on page 61272.                                  | Multiple |