Environmental Protection Agency

(c) Pan design. We recommend that you use a balance pan designed to minimize corner loading of the balance, as follows:

(1) Use a pan that centers the PM sample media (such as a filter) on the weighing pan. For example, use a pan in the shape of a cross that has up-swept tips that center the PM sample media on the pan.

(2) Use a pan that positions the PM sample as low as possible.

(d) Balance configuration. Configure the balance for optimum settling time and stability at your location.

[73 FR 37300, June 30, 2008, as amended at 75 FR 68462, Nov. 8, 2010]

§ 1065.295 PM inertial balance for field-testing analysis.

(a) Application. You may use an inertial balance to quantify net PM on a sample medium for field testing.

(b) Component requirements. We recommend that you use a balance that meets the specifications in Table 1 of §1065.205. Note that your balance-based system must meet the linearity verification in §1065.307. If the balance uses an internal calibration process for routine spanning and linearity verifications, the process must be NIST-traceable. You may use an inertial PM balance that has compensation algorithms that are functions of other gaseous measurements and the engine’s known or assumed fuel properties. The target value for any compensation algorithm is 0.0% (that is, no bias high and no bias low), regardless of the uncompensated signal’s bias.

(c) Loss correction. You may use PM loss corrections to account for PM loss in the inertial balance, including the sample handling system.

(d) Deposition. You may use electrostatic deposition to collect PM as long as its collection efficiency is at least 95%.

[73 FR 59259, Oct. 8, 2008, as amended at 75 FR 68462, Nov. 8, 2010]

Subpart D—Calibrations and Verifications

§ 1065.303 Summary of required calibration and verifications

The following table summarizes the required and recommended calibrations and verifications described in this subpart and indicates when these have to be performed:

<table>
<thead>
<tr>
<th>TYPE OF CALIBRATION OR VERIFICATION</th>
<th>MINIMUM FREQUENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>§ 1065.305: Accuracy, repeatability and noise</td>
<td>Accuracy: Not required, but recommended for initial installation.</td>
</tr>
<tr>
<td></td>
<td>Repeatability: Not required, but recommended for initial installation.</td>
</tr>
<tr>
<td></td>
<td>Noise: Not required, but recommended for initial installation.</td>
</tr>
</tbody>
</table>