Environmental Protection Agency

§ 86.1915

use the smallest of the following values for determining the duration, t, of any NTE sampling event:

(i) The measured time in the NTE control area that is valid for an NTE sampling event.
(ii) 600 seconds.
(iii) 10 times the length of the shortest valid NTE sampling event for all testing with that engine.

(e) The following example illustrates how to select the duration of NTE sampling events for calculations, as described in paragraph (d) of this section:

<table>
<thead>
<tr>
<th>NTE sample</th>
<th>Duration of NTE sample (seconds)</th>
<th>Duration Limit Applied?</th>
<th>Duration used in calculations (seconds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>45</td>
<td>No</td>
<td>45</td>
</tr>
<tr>
<td>2</td>
<td>168</td>
<td>No</td>
<td>168</td>
</tr>
<tr>
<td>3</td>
<td>605</td>
<td>Yes. Use 10 times shortest valid NTE.</td>
<td>450</td>
</tr>
<tr>
<td>4</td>
<td>490</td>
<td>Yes. Use 10 times shortest valid NTE.</td>
<td>450</td>
</tr>
<tr>
<td>5</td>
<td>65</td>
<td>No</td>
<td>65</td>
</tr>
</tbody>
</table>

(f) Engines meet the vehicle-pass criteria under this section if they meet both of the following criteria:

(1) The vehicle-pass ratio calculated according to paragraph (d) of this section must be at least 0.90 for each pollutant.

(2) For model year 2007 through 2009 engines, emission levels from every valid NTE sampling event must be less than 2.0 times the NTE thresholds calculated according to paragraph (a) of this section for all pollutants, except that engines certified to a NOₓ FEL at or below 0.50 g/bhp-hr may meet the vehicle-pass criteria for NOₓ if measured NOₓ emissions from every valid NTE sample are less than either 2.0 times the NTE threshold for NOₓ or 2.0 g/bhp-hr, whichever is greater.

[70 FR 34619, June 14, 2005, as amended at 73 FR 13450, Mar. 13, 2008]
§ 86.1917 How does in-use testing under this subpart relate to the emission-related warranty in Section 207(a)(1) of the Clean Air Act?

(a) An exceedance of the NTE found through the in-use testing program under this subpart is not by itself sufficient to show a breach of warranty under Clean Air Act section 207(a)(1) (42 U.S.C. 7541(a)(1)). A breach of warranty would also require one of the following things:

(1) That, at the time of sale, the engine or vehicle was designed, built, and equipped in a manner that does not conform in all material respects reasonably related to emission controls to the engine as described in the application for certification and covered by the certificate; or

(2) A defect in materials or workmanship of a component causes the vehicle or engine to fail to conform to the applicable regulations for its useful life.

(b) To the extent that in-use NTE testing does not reveal such a material deficiency at the time of sale in the design or manufacture of an engine compared with the certified engine, or a defect in the materials and workmanship of a component or part, test results showing an exceedance of the NTE by itself would not show a breach of the warranty under 42 U.S.C. 7541(a)(1).

§ 86.1920 What in-use testing information must I report to EPA?

(a) Send us electronic reports at inuse@epa.gov using an approved information format. If you want to use a different format, send us a written request with justification.

(b) Within 30 days after the end of each calendar quarter, send us reports containing the test data from each engine for which testing was completed during the calendar quarter. Alternatively, you may separately send us the test data within 30 days after you complete testing for an engine. Once you send us information under this section, you need not send that information again in later reports. Prepare your test reports as follows:

(1) For each engine family, describe how you recruited vehicles. Describe how you used any criteria or thresholds to narrow your search or to screen individual vehicles.