Environmental Protection Agency

§ 92.508  Calculation and reporting of test results.

(a) Manufacturers and remanufacturers shall calculate initial test results using the applicable test procedure specified in §92.506(a). These results must also include the green engine factor, if applicable. The manufacturer or remanufacturer shall round these results, in accordance with ASTM E 29–93a (incorporated by reference at §92.5) to the same number of decimal places contained in the applicable standard expressed to one additional significant figure.

(b) Final test results shall be calculated by summing the initial test results derived in paragraph (a) of this section for each test locomotive or locomotive engine, dividing by the number of tests conducted on the locomotive or locomotive engine, and rounding in accordance with ASTM E 29–93a (incorporated by reference at §92.5) to the same number of decimal places contained in the applicable standard expressed to one additional significant figure.

(c) Manufacturers and remanufacturers shall calculate the final test results for each test locomotive or locomotive engine by applying the appropriate deterioration factors, derived in the certification process for the engine family, to the final test results, and rounding in accordance with ASTM E 29–93a (incorporated by reference at §92.5) to the same number of decimal places contained in the applicable standard expressed to one additional significant figure.

(d) If, subsequent to an initial failure of a production line test, the average of the test results for the failed locomotive or locomotive engine and the two additional locomotives or locomotive engines tested, is greater than any applicable emission standard or FEL, the engine family is deemed to be in non-compliance with applicable emission standards, and the manufacturer or remanufacturer must notify EPA within 2 working days of such noncompliance.

(e) Within 45 calendar days of the end of each quarter, each manufacturer or remanufacturer must submit to the Administrator a report which includes the following information:

(1) The location and description of the manufacturer’s or remanufacturer’s emission test facilities which were utilized to conduct testing reported pursuant to this section;

(2) Total production and sample size for each engine family;

(3) The applicable standards and/or FELs against which each engine family was tested;

(4) A description of the test locomotives or locomotive engines;

(5) For each test conducted:

(A) A description of the test locomotive or locomotive engine, including:

(1) Configuration and engine family identification;

(2) Year, make, and build date;

(3) Engine identification number;

(4) Number of megawatt-hours (or miles if applicable) of service accumulated on locomotive or locomotive engine prior to testing; and

(E) Description of green engine factor; how it is determined and how it is applied;

(i) Location(s) where service accumulation was conducted and description of accumulation procedure and schedule, if applicable;
§ 92.509 Maintenance of records; submittal of information.

(a) The manufacturer or remanufacturer for any new locomotive or locomotive engine subject to any of the provisions of this subpart must establish, maintain, and retain the following adequately organized and indexed records:

(1) General records. A description of all equipment used to test engines in accordance with §92.503. The equipment requirements in subpart B of this part apply to tests performed under this subpart.

(2) Individual records. These records pertain to each production line test or audit conducted pursuant to this subpart and include:

(i) The date, time, and location of each test or audit;

(ii) The method by which the green engine factor was calculated or the number of hours of service accumulated on the test locomotive or locomotive engine when the test began and ended;

(iii) The names of all supervisory personnel involved in the conduct of the production line test or audit;

(iv) A record and description of any adjustment, repair, preparation or modification performed on test locomotives or locomotive engines, giving the date, associated time, justification, name(s) of the authorizing personnel, and names of all supervisory personnel responsible for the conduct of the action;

(v) If applicable, the date the locomotive or locomotive engine was shipped from the assembly plant, associated storage facility or port facility, and the date the locomotive or locomotive engine was received at the testing facility;

(vi) A complete record of all emission tests or audits performed pursuant to this subpart (except tests performed directly by EPA), including all individual worksheets and/or other documentation relating to each test, or exact copies thereof, in accordance with the record requirements specified in subpart B of this part;

(vii) A brief description of any significant events during testing not otherwise described under this paragraph (a)(2) of this section, commencing with