

§ 92.507

would permanently damage the locomotive engine.

(f) If a locomotive or locomotive engine cannot complete the service accumulation, if applicable, or an emission test, because of a malfunction, the manufacturer or remanufacturer may request that the Administrator authorize either the repair of that locomotive or locomotive engine or its deletion from the test sequence.

(g) Retesting. (1) If a locomotive or locomotive engine manufacturer or remanufacturer determines that any production line emission test of a locomotive or locomotive engine is invalid, the locomotive or locomotive engine must be retested in accordance with the requirements of this subpart. Emission results from all tests must be reported to EPA, including test results the manufacturer or remanufacturer determines are invalid. The locomotive or locomotive engine manufacturer or remanufacturer must also include a detailed explanation of the reasons for invalidating any test in the quarterly report required in § 92.508(e). In the event a retest is performed, a request may be made to the Administrator, within ten days of the end of the production quarter, for permission to substitute the after-repair test results for the original test results. The Administrator will either affirm or deny the request by the locomotive or locomotive engine manufacturer or remanufacturer within ten working days from receipt of the request.

[63 FR 18998, Apr. 16, 1998, as amended at 65 FR 73331, Dec. 29, 1999]

§ 92.507 Sequence of testing.

If one or more locomotives or locomotive engines fail a production line test, then the manufacturer or remanufacturer must test two additional locomotives or locomotive engines from the next fifteen produced in that engine family, for each locomotive or locomotive engine that fails.

§ 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 fac-

tor, if applicable. The manufacturer or remanufacturer shall round these results, in accordance with ASTM E29-93a (incorporated by reference at § 92.5), to the number of decimal places contained in the applicable emission 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 E29-93a (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 30 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;