

Environmental Protection Agency

§ 92.102

transferred to the owner or primary operator of the locomotives or locomotive engines generating credits may not be used for compliance with the Tier 0 standards for 2002 or later model years.

(3)(i) Prior to January 1, 2000, the provisions of this paragraph (d) apply to all locomotives and locomotive engines.

(ii) During the period January 1, 2000 through December 31, 2001, the provisions of this paragraph (d) apply only to engine families that include only locomotives and/or locomotive engines originally manufactured prior to January 1, 1990.

(iii) The provisions of this paragraph (d) other than the provisions of paragraph (d)(2) of this section do not apply to any locomotives and locomotive engines manufactured or remanufactured on or after January 1, 2002.

(4)(i) NO_x credits generated under this paragraph (d) shall be calculated as specified in §92.305, except that the applicable standard shall be replaced by:

(A) 10.5 g/bhp-hr for the line-haul cycle standards, and 14.0 g/bhp-hr for the switch standards; or

(B) For remanufactured locomotives, a measured baseline emission rate for the configuration with the lowest NO_x emission rate in the applicable engine family that is approved in advance by the Administrator.

(ii) PM credits generated under this paragraph (d) shall be calculated as specified in §92.305, except that the applicable standard shall be replaced by:

(A) 0.20 g/bhp-hr for the line-haul cycle standards, and 0.24 g/bhp-hr for the switch standards; or

(B) For remanufactured locomotives, a measured baseline emission rate for the configuration with the lowest NO_x emission rate in the applicable engine family that is approved in advance by the Administrator.

(iii) The proration factor for all credits generated under this paragraph (d) shall be 0.143.

(5) Locomotives and locomotive engines generating credits under this paragraph (d) must meet all applicable requirements of this part.

(e) *Particulate notch standards.* For model year 2006 and earlier loco-

motives, the particulate notch standard shall be calculated as:

Notch standard = $(E_x) \times (1.2 + (1 - E_{LHX} / \text{std}))$.

(f) *Passenger locomotives.* Passenger locomotives originally manufactured before January 1, 2002 are exempt from the requirements and prohibitions of this part for model years through 2006. New passenger locomotives and locomotive engines produced on or after January 1, 2007 shall comply with all applicable requirements of this part.

Subpart B—Test Procedures

§92.101 Applicability.

Provisions of this subpart apply to tests performed by the Administrator, certificate holders, other manufacturers and remanufacturers of locomotives or locomotive engines, railroads (and other owners and operators of locomotives), and their designated testing laboratories. This subpart contains gaseous emission test procedures, particulate emission test procedures, and smoke test procedures for locomotives and locomotive engines.

§92.102 Definitions and abbreviations.

The definitions and abbreviations of subpart A of this part apply to this subpart. The following definitions and abbreviations, as well as those found in §92.132 (Calculations), also apply:

Accuracy means the difference between the measured value and the true value, where the true value is determined from NIST traceable measurements where possible, or otherwise determined by good engineering practice.

Calibration means the act of calibrating an analytical instrument using known standards.

Calibration gas means a gas of known concentration which is used to establish the response curve of an analyzer.

Good engineering practice means those methods and practices which the Administrator determines to be consistent with scientific and engineering principles.

Hang-up refers to the process of hydrocarbon molecules being adsorbed, condensed, or by any other method removed from the sample flow prior to reaching the instrument detector. It