Federal Aviation Administration, DOT

§ 34.21 Standards for exhaust emissions.

(a) Exhaust emissions of smoke from each new aircraft gas turbine engine of class T8 manufactured on or after February 1, 1974, shall not exceed a smoke number (SN) of 30.

(b) Exhaust emissions of smoke from each new aircraft gas turbine engine of class TF and of rated output of 129 kilonewtons (29,000 pounds) thrust or greater, manufactured on or after January 1, 1976, shall not exceed:

\[ SN = 83.6 + 0.274 (rO) \]

(c) Exhaust emission of smoke from each new aircraft gas turbine engine of class T3 manufactured on or after January 1, 1978, shall not exceed a smoke number (SN) of 25.

(d) Gaseous exhaust emissions from each new aircraft gas turbine engine shall not exceed:

(i) For Classes TF, T3, T8 engines greater than 26.7 kilonewtons (6000 pounds) rated output:

- Hydrocarbons: 19.6 grams/kilonewton r0.
- Carbon Monoxide: 118 grams/kilonewton r0.
- (ii) Engines manufactured on or after July 7, 1997:

- Hydrocarbons: 19.6 grams/kilonewton r0.
- Carbon Monoxide: 118 grams/kilonewton r0.

(ii) Engines of a type or model of which the date of manufacture of the first individual production model was on or before December 31, 1995, and for