Environmental Protection Agency

HC+NOX is the FEL (or the sum of the cycle-weighted emission rates) for hydrocarbons and oxides of nitrogen in g/km.

(ii) If the vehicle has HC + NOX emissions greater than 2.0 g/km, use the following equation:

\[ NER = 5.000 \times \log(\text{HC+NOX}) + 3.495 \]

Where:

HC+NOX is the FEL (or the sum of the cycle-weighted emission rates) for hydrocarbons and oxides of nitrogen in g/km.

(2) For off-highway motorcycles certified to the standards in §1051.615(b), use the following equation:

\[ NER = 8.782 \times \log(\text{HC+NOX}) - 5.598 \]

Where:

HC+NOX is the FEL (or the sum of the cycle-weighted emission rates) for hydrocarbons and oxides of nitrogen in g/km.

(c) For ATVs, use the following equations:

(1) For ATVs certified to the standards in §1051.107, use one of the equations specified below.

(i) If the vehicle has HC + NOX emissions less than or equal to 1.5 g/km, use the following equation:

\[ NER = 3.333 \times (\text{HC+NOX}) \]

Where:

HC+NOX is the FEL (or the sum of the cycle-weighted emission rates) for hydrocarbons and oxides of nitrogen in g/km.

(ii) If the vehicle has HC + NOX emissions greater than 1.5 g/km, use the following equation:

\[ NER = 4.444 \times \log(\text{HC+NOX}) + 4.217 \]

Where:

HC+NOX is the FEL (or the sum of the cycle-weighted emission rates) for hydrocarbons and oxides of nitrogen in g/km.

(2) For ATVs certified to the standards in §1051.615(a), use the following equation:

\[ NER = 8.782 \times \log(\text{HC+NOX}) - 7.277 \]

Where:

HC+NOX is the FEL (or the sum of the cycle-weighted emission rates) for hydrocarbons and oxides of nitrogen in g/kW-hr.

[70 FR 40491, July 13, 2005, as amended at 73 FR 59246, Oct. 8, 2008]