§ 503.44 Operational standard—total hydrocarbons.

(a) The total hydrocarbons concentration in the exit gas from a sewage sludge incinerator shall be corrected for zero percent moisture by multiplying the measured total hydrocarbons concentration by the correction factor calculated using equation (7).

\[
\text{Correction factor} = \frac{1}{(1-X)} \quad \text{Eq. (7)}
\]

Where:
\[
X = \text{decimal fraction of the percent moisture in the sewage sludge incinerator exit gas in hundredths.}
\]

(b) The total hydrocarbons concentration in the exit gas from a sewage sludge incinerator shall be corrected to seven percent oxygen by multiplying the measured total hydrocarbons concentration by the correction factor calculated using equation (8).

\[
\text{Correction factor} = \frac{14}{(21-Y)} \quad \text{Eq. (8)}
\]

Where:
\[
Y = \text{percent oxygen concentration in the sewage sludge incinerator stack exit gas (dry volume/dry volume)}.
\]

(c) The monthly average concentration for total hydrocarbons in the exit gas from a sewage sludge incinerator stack, corrected for zero percent moisture using the correction factor from equation (7) and to seven percent oxygen using the correction factor from equation (8), shall not exceed 100 parts per million on a volumetric basis when measured using the instrument required by § 503.45(a).