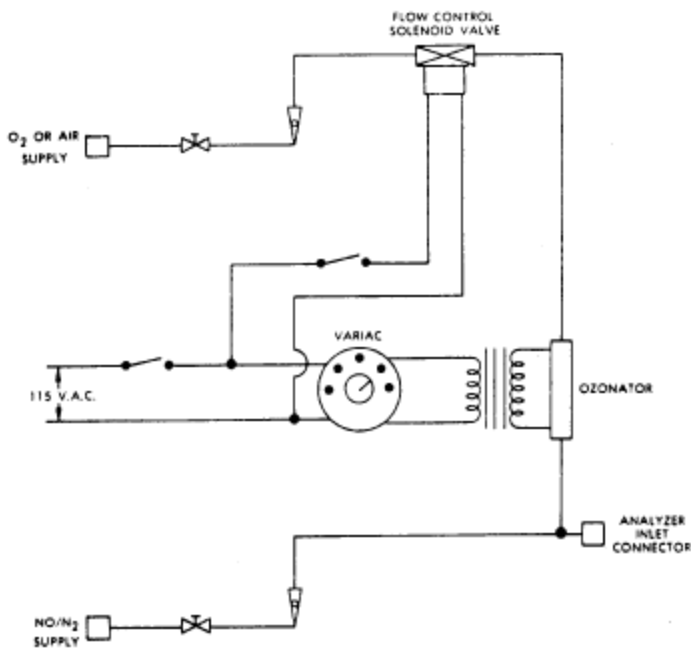

40 C.F.R. § 86.523-78

Oxides of nitrogen analyzer calibration.

- (a) Prior to introduction into service and at least monthly thereafter, if oxides of nitrogen are measured, the chemiluminescent oxides of nitrogen analyzer must be checked for NO₂ to NO converter efficiency. Figure F78-8 is a reference for paragraphs (a) (1) through (11) of this section.



[SEE FIG F78-3 FOR SYMBOL LEGEND]
FIGURE F78-8--NO_x CONVERTER EFFICIENCY DETECTOR

- (1) Follow the manufacturer's instructions for instrument startup and operation. Adjust the analyzer to optimize performance.
- (2) Zero the oxides of nitrogen analyzer with zero grade air or zero grade nitrogen.
- (3) Connect the outlet of the NO_x generator to the sample inlet of the oxides of nitrogen analyzer which has been set to the most common operating range.
- (4) Introduce into the NO_x generator analyzer-system a NO in nitrogen (N₂) mixture with a NO concentration equal to approximately 80 percent of the most common operating range. The NO₂ content of the gas mixture shall be less than 5 percent of the NO concentration.

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