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### Innovative Approaches

Air-World Environmental, Inc. has developed a Micro-Technology for measurement of NOX (NO + NO<sub>2</sub>) CO, O<sub>2</sub>, NH<sub>3</sub>, and CO<sub>2</sub>. This innovative approach provides the user with direct measurement of the desired parameters of interest.

The system is based on the reaction of the target gas with various chemicals at controlled pressure and temperature. The result is an electrical output that is linear and proportional to the concentration of target gases.

The system is completely self-contained and is controlled by a computer located usually in the control room.

The system cost less than most predictive reporting systems, and operates for pennies a day.

Currently, clients consist of Bechtel, PEMEX, City of Independence Missouri, GE Plastics, and others. Most systems are used in conjunction with NOX reduction and control requirements.

The paper would deal with the system design and actual field experiences and data.