Y-12

OAK RIDGE Y-12 PLANT

LOCKHEED MARTIN

Final CRADA Report for CRADA Number K-2594-0249

REAL TIME AIR MONITORING USING OPEN-PATH FTIR

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Abstract

Over the last several years there has been renewed interest in the use of open-path Fourier Transform Infrared (FTIR) spectroscopy for a variety of air monitoring applications. This interest has been motivated by the need for new technology to address the regulatory requirements of the Clean Air Act Amendment of 1990. Interest has been expressed in exploring the applications of this technology to locate fugitive-source emissions and measuring total emissions from industrial facilities.

CRADA Objectives

This CRADA was to develop the necessary application technology that would combine the mathematical mapping techniques of computer aided tomography with the measurement techniques of open-path FTIR. No work has been performed on this CRADA

DOE Benefits

DNA

Technical Details

DNA

Inventions Made or Reported

No Inventions were made or reported.

Commercialization Possibilities

There were no commercialization possibilities.

Plans for Future Collaboration

Unknown

Conclusions

The partners developed no technical conclusions.

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