

QUARTERLY PROGRESS REPORT
SEPTEMBER 1, 2002 – NOVEMBER 30, 2002

PROJECT TITLE: Control of Odors from Construction and Demolition Debris Landfills

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Few waste management issues create more public displeasure than the production of odors at landfills, particularly landfills located near residential areas. While many compounds can cause malodorous conditions, hydrogen sulfide has been identified as a major contributor to odors at landfill sites that receive wastes with high levels of sulfur. The data generated from this study will quantify sulfide emissions from several Florida C&D landfills. These data will permit an evaluation of the magnitude of sulfide emissions from landfills experiencing odor complaints. The application of experimental covers will be investigated relative to the reduction in sulfide emissions providing a quantifiable measurement of odor reduction. The research will provide design and operational guidance related to odor generation at landfills receiving waste with high sulfur content. This information can make landfilling safer and reduce nuisance complaints.

Work Completed this Quarter

The following was completed this quarter

- ◆ Students at UF and UCF identified
- ◆ First Technical Awareness Group meeting held
- ◆ Flux chambers identified for purchase
- ◆ Literature review initiated
- ◆ Potential test sites identified

Work to be completed in the next Quarter:

1. Flux chamber will be constructed or purchased.
2. Literature review will be completed
3. Test sites will be confirmed