

QUARTERLY PROGRESS REPORT

September 2004 - December 2004

PROJECT TITLE: Research Advancing the Management of Construction and Demolition Debris in Florida

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AFFILIATION: University of Florida

COMPLETION DATE: December 31, 2005 **PHONE NUMBER:** (352) 392-0846

Work Accomplished during this reporting period:

Task 1: Hydrogen Sulfide Production and Control from C&D Debris Landfills

Hydrogen sulfide emission rates are being routinely measured from a filled plot at the Keene Road Landfill in Apopka, Florida. The hydrogen sulfide emission rates have fluctuated diurnally. To confirm this observation, a laboratory column experiment was designed and set up.

Task 2: Engineered Wood in Mulch

MSDS (Material Safety Data Sheets) of various engineered woods have been collected and a literature review has been initiated. A team of graduate students was formed to collect data and to design the experiment.

Task 3: Recycling of Portland Cement Concrete

A literature review has been performed of previous studies regarding the ability to recycle portland cement concrete as road construction material. In addition, collection of state and federal specifications and efforts for recycling concrete in this manner has been initiated.

Information Dissemination:

A website has been created for the project. The website can be found at <http://www.ees.ufl.edu/homepp/townsend/CDManage/default.asp>. All progress reports, information regarding Technical Advisory meetings, annual reports, and final reports can be found on this website.

Technical Advisory Meetings:

The next meeting will be held on January 28, 2005 from 11 am until 3 pm. This meeting will be held in conjunction with the "Simulated Landfills for Assessing the Leachate Quality Impacts from Co-Disposal of Hazardous Constituents" Technical Advisory Meeting. All information regarding this meeting, including directions, agenda, and final summary will be available on the project website.