

QUARTERLY PROGRESS REPORT  
April 1 to June 30, 2001

PROJECT TITLE: Fate of CCA-Treated Wood

PRINCIPAL INVESTIGATOR: Dr. Helena Solo-Gabriele, Ph.D., P.E.

AFFILIATION: University of Miami, Dept. of Civil, Arch., and Environ. Engrg.

ASSOCIATE INVESTIGATOR: Dr. Timothy Townsend, Ph.D.

AFFILIATION: University of Florida, Dept. of Environ. Engrg. Sci., Solid & Haz. Wst. Prog.

COMPLETION DATE: December 31, 2001

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“YEAR 4” Research  
Title: Fate of CCA-Treated Wood  
(April 1, 2000 to June 30, 2001)

Research Activities

*Leaching of Alternative-Chemical Treated Wood*

1. Leaching experiments have been completed. An internal report (a master’s thesis) was prepared by Kristin Stook of the University of Florida. This report is currently under review by Tim Townsend and Helena Solo-Gabriele.

*Arsenic Speciation in Groundwater Near Landfills*

2. The method for total-particulate arsenic, total-dissolved arsenic, and total-total arsenic in the samples has been developed.
3. The research team has been aggressively contacting C&D landfills showing detectable levels of arsenic as registered through the Florida Dept. of Environmental Protection. A major drawback, however, has been the lack of willingness of C&D landfill facilities to allow the research team to collect samples. Only a few facilities have provided permission.

Information Dissemination

1. A TAG meeting was held on Thursday, January 11, 2001 in Miami, Florida. The meeting was attended by between 40 and 50 individuals. The minutes of the meeting as well as copies of the Powerpoint presentations have been posted on the web.
2. The final copy of the “year 3 supplemental” report has been posted on the web page and distributed to TAG members and other individuals who provided comments on the report.
3. Due to the large number of requests for the deck study, a shortened version of the deck study report was posted on the web.
4. The research team continues to receive a large number of phone calls from reporters, local regulators, and concerned individuals since the press coverage in the St. Petersburg Times. Various members of the research team have been interviewed by telephone and by camera interview on several different occasions. References to the research continue to be publicized in several newspapers throughout the State and some articles have now appeared outside the State. Helena Solo-Gabriele also participated in two radio interviews including one held on NPR. Time Magazine has called inquiring about the study.

5. The manuscript titled, "Characteristics of CCA-Treated Wood Ash" has been reviewed by journal. The review comments are currently being addressed.
6. The paper titled, "Pilot Scale Evaluation of Sorting Technologies for CCA Treated Wood Waste" authored by Monika Blassino, Helena Solo-Gabriele, and Tim Townsend is still under review. Helena Solo-Gabriele is currently corresponding directly with the editor of the journal due to the delay in obtaining a response concerning its status.
7. The abstract submitted for consideration by the SWANA Special Waste Conference scheduled for December 5-7, 2001 in Orlando, Florida, has been accepted. SWANA has since requested a full manuscript which is due in October.
8. Helena Solo-Gabriele provided a presentation titled, "Environmental Impacts of CCA-Treated Wood" before Miami-Dade County's Environmental Advisory Task Force Meeting in Miami, FL. The meeting was held on May 25<sup>th</sup>.
9. Tim Townsend, Helena Solo-Gabriele, and Bill Hinkley were invited to speak before the U.S. Environmental Protection Agency's Office of Solid Waste and Office of Pesticides on April 13<sup>th</sup> in Washington D.C. The title of the presentation was "Environmental Impacts of CCA-Treated Wood."
10. Tim Townsend and Helena Solo-Gabriele participated in the U.S. EPA's public meeting addressing labeling requirements for CCA-treated wood. The meeting was held in Washington D.C. on June 7<sup>th</sup>. Both Tim Townsend and Helena Solo-Gabriele met with individuals from the Office of Solid Waste before and after the public meeting.
11. The web site, [www.ccaresearch.org](http://www.ccaresearch.org) continues to be updated.

#### "YEAR 5" Research

Title: Treated Wood, Evaluating the Toxicity During Disposal  
(January 1, 2000 to June 30, 2002)

#### Project Administration

1. The contract for this project has been executed between the FC SHWM and U.Miami. The subcontract between U.Miami and U.Florida (Townsend) has been executed and a purchase order number will be issued shortly.
2. The proposal for this project has been posted on the web.

#### Research Activities

1. All toxicity tests have been completed except for the yeast assay.
2. The lysimeters have been filled. Sample bottles, shipping boxes, and shipping labels have been provided to UF for shipping of the samples. Leachate should be generated shortly.

#### COURTESY REPORT ON THE INNOVATIVE RECYCLING GRANT

Title: On-Line Sorting Technology for CCA-Treated Wood

1. The web site for this project ([http://www.eng.miami.edu/~hmsolo/sarasota/index\\_sara.htm](http://www.eng.miami.edu/~hmsolo/sarasota/index_sara.htm)) continues to be updated.

2. A summer schedule was developed for the PIs and their students.
3. A wood sort consisting of 4 C&D loads has been completed. Each piece of wood in the load was weighed and categorized as treated or untreated.
4. The laser has been installed and preliminary testing has begun.
5. The XRF has been borrowed and preliminary testing has begun.
6. A Sarasota team meeting was held on June 5, 2001 in Sarasota County to update team members on the progress of the project to date.

The next Sarasota team meeting has been scheduled for June 24, 2001. The next TAG meeting scheduled for July 9<sup>th</sup> will be held in Sarasota County.