



June 30, 2002

John Schert, Executive Director
FCSHWM
University of Florida
2207 NW 13 Street, Suite D
Gainesville, FL 32609

Dear Mr. Schert,

Enclosed is the progress report for the April through June 2002 time period. Since the March 2002 progress report, we have held a TAG meeting with 48 participants and resubmitted two research proposals, one to the FDEP and another to the FCSHWM.

Tasks for the next reporting period include completing a first draft of the "arsenic sources" report. I have worked an average of 15 hours per week on this project during the last reporting period.

Please contact me if you have any questions.

Sincerely,

Helena Solo-Gabriele, Ph.D, P.E.
Associate Professor

cc: Tim Townsend

QUARTERLY PROGRESS REPORT
April 1 to June 30, 2002

PROJECT TITLE: Evaluating the Toxicity of Treated Wood During Disposal

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: June 30, 2002 (6 month extension requested)

“YEAR 5” Research

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

Project Administration

1. A six month no cost extension has been requested for this project.

Research Activities

1. Efforts have been re-initiated to obtain groundwater samples from C&D facilities. This second attempt at obtaining these samples is currently being facilitated by Richard Tedder of the FDEP, who has since contacted the District Offices on the research team’s behalf. The research team is currently in the process of following-up with each of the Districts.

“YEAR 6” Research

Title: Environmental Impacts of CCA-Treated Wood
(September 1, 2001 to November 30, 2002)

Project Administration

1. Two proposals have been submitted for funding. The first proposal, “Extent of CCA-Treated Wood Used for Commercial Mulch” has been funded at \$10,000. The second proposal titled, “Management and Disposal Options for CCA-Treated Wood Waste” was submitted for potential funding directly through FDEP. \$45,000 in funds are requested for the second proposal.
2. Jenna Jambeck successfully defended her Ph.D. proposal on May 7th. Her research focuses on the disposal aspects of CCA-treated wood.
3. Bernine Khan successfully defended her Ph.D. proposal on May 30th. Her research focuses on arsenic speciation of leachates generated during in-service use of CCA-treated wood.
4. Jin Kun Song defended his M.S. thesis on June 28th. The focus of his thesis is on chromium speciation.

Research Activities

1. Leaching experiments (TCLP and SPLP) have been completed on CCA-treated wood ash samples. These leachates have been analyzed for arsenic and chromium species. The arsenic and chromium speciation data have been summarized in an internal report.
2. Helena Solo-Gabriele is currently writing the draft report focusing on arsenic reservoirs within the State of Florida. She is currently working with students from both U.Miami and U.Florida in compiling the data needed for this report.
3. Several additional lysimeter samples were obtained and analyzed for arsenic species.

Information Dissemination

1. The research team held its 13th Technical Awareness Group (TAG) Meeting on Monday, May 6, 2002 in Gainesville, Florida. The meeting was attended by 48 people. The minutes of the TAG meeting and Powerpoint presentations have been posted on the web under the “project administration” link at www.ccaresearch.org.
2. The manuscript titled, “Pilot Scale Evaluation of Sorting Technologies for CCA-Treated Wood Waste” has been published within *Waste Management and Research*. Reprints of the journal article should be arriving shortly.
3. Dr. Timothy Townsend drafted a manuscript focusing on the results of the deck study. This manuscript is currently being circulated among the research team for proof-reading.
4. The web site, www.ccaresearch.org continues to be updated.

COURTESY REPORT

For Complimentary Studies Not Funded by the FCSHWM

1. Dr. Solo-Gabriele continues to work on the project funded by the National Institutes of Environmental Health Sciences (NIEHS) titled, “Impacts of arsenic from CCA-treated wood within marine and terrestrial environments.”