QUARTERLY PROJECT REPORT

*by Dr. A.J. Ragauskas, Professor
Institute of Paper Science and Technology
500, 10th St., NW, Atlanta, GA 30318*

For the Period Ending: March 31, 2000

Quarterly Report For Mill-Designed BioBleaching Technologies (DE-FC36-99GO10374).

Information Required from Recipients of Financial Assistance for Quarterly Status Report:

1. What is the status of the technical scope of work? Answers to this question should be tailored to the tasks in the Statement of Work that are being performed.

Biobleaching studies are ongoing, we are currently screening new organic and inorganic mediators for laccase catalyzed delignification of kraft pulps. We have established the performance of current laccase-mediator systems with respect to delignification, yield, and changes in lignin structure.

2. What is the completion status for each task and/or subtask? Provide an estimate of completion dates for each task and/or subtask.

All Year 1 tasks are completed except Task 3 (approximately 5% of this task remains to be completed)

Year 2

Task 1 is completed, Task 2, 3, 5, and 6 are currently ongoing

3. Are there any significant program/project tests or demonstrations scheduled in the next four months? This pertains to work outlined in the Statement of Work.

No program/project tests or demonstrations are scheduled in the next four months of the project

4. Are there upcoming conferences at which papers will be presented? This pertains to work outlined in the Statement of Work.

Yes results of our studies were presented at 219th ACS National Meeting in San Francisco, CA. The paper was presented by Elder and Ragauskas, titled "Ab Initio Calculations on the Laccase Ti Active Site and Its Interactions with Mediators"

5. If there are any variances to cost or schedule, what are the reasons for these? If the project schedule has changed submit an updated schedule with dates referring to each task.

The project scheduling and budget has been adjusted since funding for this project was released in late February 1999.

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, make any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.