Quarterly Progress Report – First Quarter ending November 30, 2008 Submitted November 26, 2008

Project Title: Analysis of Discarded CRTs in Florida: Volume Projections and Disposal Management Options

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Contract Period: September 25, 2008 – August 31, 2009

Significant progress has been made during the short duration since the start of this project. The subcontract between FSU and the HCSHWM was signed in October, and a project budget number was activated by FSU on November 4, 2008.

According to the project timeline (Table 1), four tasks are expected to commence during Quarter 1 of the project period. The progress of these tasks is detailed below.

Table 1: Timeline of project milestones (from original proposal, April 2008), where xx = completed; x = in progress.

Task	Q 1	Q 2	Q 3	Q 4
Task 1: Collect CRT volume and disposal data	X			
Task 2: Model future volume and disposal				
Task 3: Develop tool; analyze management options				
Task 4: Develop recommendations				
Establish and maintain project web site	XX			
Establish TAG and hold TAG meetings	X			
Submit quarterly progress reports	XX			
Submit draft and final reports				

Task 1: Collect CRT volume and disposal data. This task will provide answers to the questions: 1) What are the current trends in the volume of CRTs discarded in Florida; 2) what are the current practices in Florida for CRT disposal management; 3) what is the currently available infrastructure for handling disposed CRTs from Florida; and 4) what are the current capacities of existing disposal and recycling facilities for CRT components? To date, efforts have been made to answer questions 1 and 2. In ongoing efforts, the research team is collecting current data on the volume of CRTs disposed and management practices and identifying past and recent trends in Florida. This information will help provide a snapshot of the current conditions in Florida and will form the basis for predicting future trends (Task 2).

Estimates on the existing number of CRT television sets and computer monitors will be made based on recent data from the U.S. census, consumer electronics industry,

and other Florida-specific sources. We have conducted an extensive literature review and gathered historic data on numbers of CRTs in Florida, other states such as California, and throughout the U.S.

The current volume of discarded CRTs in the waste stream in Florida (such as those at resellers, storage, demanufacturers, recycling facilities, and disposal facilities) also will be estimated. Through information provided by TAG members, the research team will make preliminary estimates. We currently are in the process of obtaining additional information from other existing facilities in Florida that demanufacture and recycle televisions, computers, and electronics and organizations in Florida that accept donations of electronic equipment. Information on the number, locations, capacities, and other limitations of facilities that handle CRTs will be collected. We also will obtain information on the costs and fees related to each of these disposal options. We will be continuing these efforts through the second quarter. Some of this data and information will need to be collected using electronic, online surveys and telephone and personal interviews. We are developing the surveys and interview questions so that a standard format may be used. The resulting data will be aggregated to provide a snapshot of recent and current trends on the volume, and disposal rate of CRTs in Florida, as well as current management options.

In addition, we have completed an extensive literature review of current management practices, regulations, and policies for discarded CRTs used in other states and countries. The practices used in other states and countries, and the results of their implementation, will provide potential alternative management approaches for Florida. We will continue to investigate existing CRT demanufacturing (in which the CRT may be separated from the rest of the monitor), recycling, and disposal practices existing in Florida or are used by municipalities and facilities in Florida.

Establish and maintain project web site. A project web site has been established at http://www.eng.fsu.edu/~abchan/CRTanalysis.html. The web site includes the project abstract, list of project participants, and Technical Awareness Group (TAG) members. Additional information will be included in the project web site as they become available.

Hold TAG meeting. The Technical Awareness Group (TAG) for this project has been established and confirmed. Members include a wide range of experts and represent organizations that have direct interest in the project. TAG members include (listed alphabetically by last name):

- Tarek Abichou, Associate Professor, FAMU-FSU College of Engineering
- Cynthia Brantley, Recycling Coordinator, Leon County Solid Waste Management
- Randy Jones, Executive Vice President, Goodwill Industries Big Bend Inc.
- Jack Price, Environmental Manager, FDEP
- Norman Thomas, Director, Leon County Solid Waste Management

The first TAG meeting is scheduled for early December. Minutes of the meeting will be made available to TAG members and the HCSHWM, and be posted on the project web site after the meeting.

Submit quarterly progress report. This present report is the submission of the first quarterly progress report.