

# QUARTERLY PROGRESS REPORT

October 01/2009 – December/31/2009  
**Recycling Gypsum Drywalls in Florida**

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COMPLETION DATE: 08/30/2010

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## OBJECTIVES

The overall objective of this study is to determine the characteristics of gypsum drywall (GDW) and evaluate its proper management and recycling practices based on our results. The specific objectives are:

1. Review existing literature on the GDW wastes, focusing on Florida;
2. Collect representative GDW samples in Florida and characterize chemically, physically, and mineralogically;
3. Determine the feasibility of on-site testing to detect heavy metals in GDW.

## WORK ACCOMPLISHED DURING THIS PERIOD

1. Reviewed literatures on characterization of gypsum drywall wastes nationwide in addition to Florida.
2. Worked on the existing drywall handling facilities based on the list provided by FDEP.
3. Prepared appropriate sampling protocols for GDW collection.
4. Prepared information sheet to be filled out by the cooperators accompanying the samples.
5. Made sampling trips to GEL Corp. (Orange City) and Angelo's Recycled Materials Corp. (Apopka) and collected samples from the piles.
6. Contacted a total 30 counties and cities, and established 5 cooperators who agreed to support our sampling activities.

## WORK TO BE ACCOMPLISHED DURING NEXT PERIOD

1. Continue to contact drywall disposal facilities and construction contractors for representative samples collection.
2. Develop QA/QC plan for required analyses of concerned contaminants.
3. Establish feasibility methods for on-site heavy metals determination in GDW.
4. Wherever possible, make more trips for GDW sampling.
5. Process the samples and preserve them properly for subsequent analyses.