

QUARTERLY PROGRESS REPORT

November 01, 2011 – January 31, 2012

Characterization and Leachability of Coal Combustion Residues in Florida

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Completion date	07/31/12

OBJECTIVES

The overall objective of this study is to determine the physical and chemical characteristics of coal combustion residues (CCR) and assess their metal leachability. The specific objectives are:

1. Collect and characterize ~ 40 CCR samples from major utilities in Florida;
2. Analyze total and SPLP metal concentrations in CCR;

WORK ACCOMPLISHED DURING THIS PERIOD

1. Reviewed literature on CCR characterization nationwide;
2. Contacted many utility companies for ash sample collections;
3. Had a conference call with FCG members and Mr. Richard Tedder discussing sampling plan;
4. Obtained three ash samples: 2 fly ash and 1 bottom ash samples from two utility companies;
5. Collaborated with Dr. Townsend who will assist us in sample collection;
6. Attended the Hinkley Center Project Meeting organized by Dr. Tim Townsend and met several FCG members.

WORK TO BE ACCOMPLISHED DURING NEXT TIME PERIOD

1. Review Florida specific literature on CCR characterization;
2. Work with FCG and Dr. Townsend to develop protocols for representative and practical ash sample collection;
3. Process and preserve ash samples properly for chemical characterization and analyses;
4. Characterize, digest and analyze CCR samples;
5. Prepare quarterly report.