

# QUARTERLY PROGRESS REPORT

March 1, 2015 to May 30, 2015

**PROJECT TITLE:** Application of New Leaching Protocols for Assessing Beneficial Use of Solid Wastes in Florida

**PRINCIPAL INVESTIGATOR(S):** Timothy G. Townsend

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Department of Environmental Engineering Sciences

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**AFFILIATION:** Professor, University of Florida  
Department of Soil and Water Science

**COMPLETION DATE:** September 1, 2015

**PHONE NUMBER:** (352) 392-0846

**PROJECT WEB SITE:** <http://www.essie.ufl.edu/users/townsend/research>

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## **Work accomplished during this reporting period:**

### **Florida Beneficial Use Assessment**

Previous beneficial use assessments in Florida were evaluated and summarized for integration into the report and to provide context in which to examine the LEAF methodology.

### **Conducting LEAF Testing on Selected Materials and Interpreting Data**

The graduate students conducted the suite of LEAF testing on waste-to-energy ash and wood-tire ash. The interpretation and presentation of data in the report is ongoing.

The students have also identified and are evaluating various models used to predict the fate and transport of constituents of concern in groundwater. These models will be used in conjunction with leaching data inputs to better interpret how leaching results translate to field concentrations in different scenarios.

### **Information Dissemination Activities:**

A TAG meeting is planned for June 30<sup>th</sup> on campus at the University of Florida. Select results from the LEAF testing will be presented along with a series of activities to engage the TAG members on the laboratory and decision-making procedures associated with the tests.

## **Work planned for the next reporting period:**

The team will continue to run LEAF tests and draft deliverables for the guidance document. TAG meeting will be held on June 30.

**Metrics:**

1. List graduate student or postdoctoral researchers funded by THIS Hinkley Center project

Name	Rank	Department	Professor	Institution
Roessler, Justin	PhD student	Environmental Engineering	Townsend	University of Florida
Monroy Sarmiento, Linda	PhD student	Environmental Engineering	Townsend	University of Florida
Hofmeister, Michael	ME student	Environmental Engineering	Townsend	University of Florida
Evandro Da Silva	PhD student	Environmental Engineering	Ma	University of Florida
Ky Gress	PhD student	Environmental Engineering	Ma	University of Florida

**TAG Members:** Attending TAG members included:

- Richard Tedder, Florida Department of Environmental Protection (Tallahassee)
- Jason Gorrie, Covanta
- Kelsie Oswald, Pinellas County
- Souhail Al-Abed, US EPA-Office of Research and Development, National Risk Management Laboratory
- Steve Laux, Jones Edmunds
- Dawn Templin, FDEP
- Ron Beladi, Neil Schaffer
- Bo Bruner, CH2M Hill
- Corey Dilmore, FDEP
- Sam Levin, S2LI