

QUARTERLY PROGRESS REPORT

December, 2013 to February 28, 2014

PROJECT TITLE: Assessing Options for On-site Leachate and Groundwater Management Strategies at Florida Landfills

PRINCIPAL INVESTIGATOR(S): Timothy G. Townsend

AFFILIATION: Professor, University of Florida
Department of Environmental Engineering Sciences

CO-PRINCIPAL INVESTIGATOR(S): Daniel E. Meeroff

AFFILIATION: Associate Professor, Florida Atlantic University
Department of Civil, Environmental and Geomatics Engineering

COMPLETION DATE: November 30, 2014

PHONE NUMBER: (352) 392-0846

PROJECT WEB SITE: <http://pages.ees.ufl.edu/townsend/research/hc13/>

Work accomplished during this reporting period:

Graduate research assistants were hired and began work on the project. A database of leachate quality parameters has been updated to include data up to 2010 (and in some cases through 2012). Preliminary analysis of the leachate data was initiated. A current list of lined landfills was compiled, and where appropriate, leachate treatment methodologies were updated. Preliminary concepts for venting air under landfills have been identified.

Work planned for the next reporting period:

Continue data compilation and analysis with regard to leachate quality and treatment. Begin modeling of air venting. Hold a TAG meeting in May.

Metrics:

Name	Rank	Department	Professor	Institution
Chung, Jae Shik	PhD student	Environmental Engineering	Townsend	University of Florida
Daroosh, Roya	ME student	Environmental Engineering	Townsend	University of Florida
Monroy Sarmiento, Linda	PhD student	Environmental Engineering	Townsend	University of Florida
Wally, James	ME student	Environmental Engineering	Townsend	University of Florida

TAG Members: Invited TAG members include:

Richard Tedder, Florida Department of Environmental Protection (Tallahassee)

- Gary Bennett, Sarasota County
- Jason Gorrie, Covanta
- Ron Beladi, Neel-Schaffer, Inc.
- John Power, Pasco County
- John Banks, Geosyntec
- Kelsie Oswald, Pinellas County
- Paul Hauck, CDM Smith
- Jay Berry, Waste Management
- Dawn Templin, FDEP NW District
- Gary Debo, Lake County

TAG Meeting: Currently being scheduled for first week of May 2014