

QUARTERLY PROGRESS REPORT #3

March 1st, 2015 – May 31st, 2015

PROJECT TITLE: Development of a Technique to Quantify CH₄ Oxidation and Encourage Field Implementation of Biocovers

PRINCIPAL INVESTIGATOR(S): Dr. Tarek Abichou

AFFILIATION: Florida State University

COMPLETION DATE: August, 2015

PHONE NUMBER: 850-410-6661

PROJECT WEB SITE: <http://www.eng.fsu.edu/~abichou/projects/CH4%20Project.html>

Quarterly reports should be submitted to the Center electronically at center@hinkleycenter.org.

Quarterly reports should include information about the following:

Work accomplished during this reporting period: During the third quarter of the project several tasks were performed.

- Data from the field testing were reduced to quantify level of methane oxidation in several landfill conditions.
- The rate of methane oxidation, the percent oxidation were calculated for 80% of the performed tests

Information Dissemination Activities: The website of the project has been created and updated as needed with documents such as the introduction power point. The first TAG meeting was held on October 17 with members of the FDEP, industry and professors. The second TAG meeting was held on May 22, 2015. The presentations and the recording of these TAG meetings are available on the project website

Metrics:

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

Last name, first name	Rank	Department	Professor	Institution
Melaouhia, Haykel	PhD	CEE	Dr. Abichou	FSU

2. List undergraduate researchers working on THIS Hinkley Center project

Name: Haley Dunn

Department: CEE

Professor: Dr. Abichou

Institution: FSU

3. List research publications resulting from THIS Hinkley Center project (use format for publications as outlined in Section 1.13 of this Report Guide). NONE

4. List research presentations (as outlined in 1.13.6 of this Report Guide) resulting from THIS Hinkley Center project. NONE
5. How have the research results from THIS Hinkley Center project been leveraged to secure additional research funding? NONE
6. What new collaborations were initiated based on THIS Hinkley Center project?
A collaboration between the Engineering Department and the Department of Oceanography was initiated for this project by inviting Dr. Jeff Chanton to join the TAG. Dr. Chanton is highly regarded in his field of Oceanographic Chemistry and had several great insights during the TAG meeting. We look forward to working with him further.
7. How have the results from THIS Hinkley Center funded project been used (**not** will be used) by FDEP or other stakeholders? (1 paragraph maximum). NONE YET

TAG members:

Doug Goldsmith
Henry Freedenberg
Terry Johnson
Gang Chen, Ph.D., P.E.
Clayton Clark, Ph.D., P.E.
Jeff Chanton
Stephanie Bolyard

TAG meetings:

October 17, 2014
May 22, 2015