

Tag Meeting No. 1

Minutes

Monday, February 22, 2022

12:00 noon – 1:30 pm, Zoom Meeting <https://fsu.zoom.us/j/98431080454>

Project Title: Break the Loop of PFAS Cycling in Landfills: Aqueous PFAS Destruction or Solid Thermal Incineration?

Funded by: Hinkley Center for Solid and Hazardous Waste Management

Tag Members: Sterling Carrol, Gary Williams, Chen Lin, Boya Wang and Simeng Li

In Attendance: Sterling Carrol, Gary Williams, Chen Lin, Boya Wang, Simeng Li, Runwei Li, Yashar Makhtoumi, Yudi Wu, Lin Qi, Wester Henderson and Gang Chen

A website has been developed for this research (www.eng.fsu.edu/~gchen). All the information regarding this project has been uploaded to this site to facilitate the dissemination of the research discovery.

1. Project Overview

Detailed information is available at
https://web1.eng.famu.fsu.edu/~gchen/index_files/Page7296.htm

2. Research Plan of the Project

Presented by Gang Chen

3. Dissemination of the Research Plan of the Project

Florida & Alabama Rural Water Associations Joint Conference
Journal publication

4. Potential Funding Sources for the Continuation of Related Research

NSF/CBET/Environmental Engineering
EREF

5. Discussion

Sterling Carrol and Gary Williams from Florida Rural Water Association (FRWA) pointed out the importance of seeking continuous funding for larger scale investigation of PFAS destruction. They are willing to provide support letters for funding applications.



FRWA will help build connections with cities and industries to further the research and implementation of the research.

FRWA also pointed out the interests of various funding agencies on biosolids management. This coincides with the current research as PFAS accumulate on biosolids in wastewater treatment processes.

The research group will try to seek the research needs from the industries and society. More discussion of potential implementation of the research will be included in the next TAG meeting besides technology development.

Boya Wang from Florida Department of Environmental Protection (FDEP) pointed out the practices of deep well injection, which may include PFAS-containing landfill leachate. There will be concern of PFAS contamination in groundwater and subsurface soil.

Chen Lin from Able Engineering, LLC. showed interests in in situ PFAS remediation. He was especially interested in in situ PFAS adsorption by activated carbon barriers or nano-sized activated carbon adsorption.