## **Accepted Manuscript**

Yearlong semi-continuous operation of thermophilic two-stage anaerobic digesters amended with biochar for enhanced biomethane production

Yanwen Shen, Sara Forrester, Jason Koval, Meltem Urgun-Demirtas

PII: S0959-6526(17)31079-X

DOI: 10.1016/j.jclepro.2017.05.135

Reference: JCLP 9674

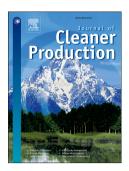
To appear in: Journal of Cleaner Production

Received Date: 14 January 2017

Revised Date: 21 May 2017 Accepted Date: 23 May 2017

Please cite this article as: Shen Y, Forrester S, Koval J, Urgun-Demirtas M, Yearlong semi-continuous operation of thermophilic two-stage anaerobic digesters amended with biochar for enhanced biomethane production, *Journal of Cleaner Production* (2017), doi: 10.1016/j.jclepro.2017.05.135.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



## ACCEPTED MANUSCRIPT

1 Yearlong semi-continuous operation of thermophilic two-stage anaerobic digesters 2 amended with biochar for enhanced biomethane production 3 Yanwen Shen<sup>1†</sup>, Sara Forrester<sup>2</sup>, Jason Koval<sup>3</sup>, Meltem Urgun-Demirtas<sup>1</sup>\* 4 5 <sup>1</sup> Energy Systems Division, Argonne National Laboratory, Lemont, IL 60439, USA 6 <sup>2</sup> Energy Global Security Division, Argonne National Laboratory, Lemont, IL 60439, USA 7 <sup>3</sup> Bioscience Division, Argonne National Laboratory, Lemont, IL 60439, USA 8 <sup>†</sup>Present address: School of Environmental Science and Engineering, Shanghai Jiao Tong 9 10 University, Shanghai 200240, China \*Corresponding author: demirtasmu@anl.gov 11

12

13

1

## Download English Version:

## https://daneshyari.com/en/article/5479497

Download Persian Version:

https://daneshyari.com/article/5479497

<u>Daneshyari.com</u>