

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](https://doi.org/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.

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

3

4 Yanwen Shen^{1†}, Sara Forrester², Jason Koval³, Meltem Urgun-Demirtas^{1*}

5

6 ¹Energy Systems Division, Argonne National Laboratory, Lemont, IL 60439, USA

7 ²Energy Global Security Division, Argonne National Laboratory, Lemont, IL 60439, USA

8 ³Bioscience Division, Argonne National Laboratory, Lemont, IL 60439, USA

9 [†]Present address: School of Environmental Science and Engineering, Shanghai Jiao Tong

10 University, Shanghai 200240, China

11 *Corresponding author: demirtasmu@anl.gov

12

13

Download English Version:

<https://daneshyari.com/en/article/5479497>

Download Persian Version:

<https://daneshyari.com/article/5479497>

[Daneshyari.com](https://daneshyari.com)