## **Accepted Manuscript**

Life cycle assessment of sewage sludge management options including long-term impacts after land application

Hiroko Yoshida, Marieke ten Hoeve, Thomas H. Christensen, Sander Bruun, Lars S. Jensen, Charlotte Scheutz

rs S.

PII: S0959-6526(17)32482-4

DOI: 10.1016/j.jclepro.2017.10.175

Reference: JCLP 10967

To appear in: Journal of Cleaner Production

Received Date: 26 April 2017
Revised Date: 4 October 2017
Accepted Date: 16 October 2017

Please cite this article as: Yoshida H, ten Hoeve M, Christensen TH, Bruun S, Jensen LS, Scheutz C, Life cycle assessment of sewage sludge management options including long-term impacts after land application, *Journal of Cleaner Production* (2017), doi: 10.1016/j.jclepro.2017.10.175.

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 Life cycle assessment of sewage sludge management options including long-term
- 2 impacts after land application

3

- 4 Hiroko Yoshida<sup>1</sup>, Marieke ten Hoeve<sup>1,2</sup>, Thomas H. Christensen<sup>1</sup>, Sander Bruun<sup>2</sup>, Lars S. Jensen<sup>2</sup>,
- 5 Charlotte Scheutz<sup>1§</sup>
- 6 <sup>1</sup>Department of Environmental Engineering, Technical University of Denmark, Kgs. Lyngby, Denmark
- 7 <sup>2</sup>Department of Plant and Environmental Sciences, University of Copenhagen, Thorvaldsensvej 40,
- 8 Frederiksberg 1871, Denmark

9

- 10 §Corresponding author
- 11 Email: chas@env.dtu.dk

12

- 13 Keywords:
- 14 Sludge treatment, anaerobic digestion, incineration, lime stabilisation, land application, organic
- 15 fertiliser, emission factors

16

## Download English Version:

## https://daneshyari.com/en/article/8099513

Download Persian Version:

https://daneshyari.com/article/8099513

<u>Daneshyari.com</u>