

Accepted Manuscript

Relating water vapor transfer to ammonia recovery from biogas slurry by vacuum membrane distillation

Qingyao He, Te Tu, Shuiping Yan, Xing Yang, Mikel Duke, Yanlin Zhang, Shuaifei Zhao

PII: S1383-5866(17)32503-0
DOI: <http://dx.doi.org/10.1016/j.seppur.2017.09.030>
Reference: SEPPUR 14039

To appear in: *Separation and Purification Technology*

Received Date: 3 August 2017
Revised Date: 14 September 2017
Accepted Date: 14 September 2017

Please cite this article as: Q. He, T. Tu, S. Yan, X. Yang, M. Duke, Y. Zhang, S. Zhao, Relating water vapor transfer to ammonia recovery from biogas slurry by vacuum membrane distillation, *Separation and Purification Technology* (2017), doi: <http://dx.doi.org/10.1016/j.seppur.2017.09.030>

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.



**Relating water vapor transfer to ammonia recovery from biogas slurry by vacuum
membrane distillation**

Qingyao He ^{a,b,c}, Te Tu ^{a,b}, Shuiping Yan ^{a,b*}, Xing Yang ^d, Mikel Duke ^d, Yanlin Zhang ^{a,b}, Shuaifei Zhao ^{c**}

^a *College of Engineering, Huazhong Agricultural University, No.1, Shizishan Street, Hongshan District, Wuhan 430070, PR China*

^b *The Cooperative Innovation Center for Sustainable Pig Production, Wuhan 430070, PR China*

^c *Department of Environmental Sciences, Macquarie University, Sydney, NSW 2109, Australia*

^d *Institute for Sustainability and Innovation, Victoria University, Melbourne, Victoria 8001, Australia*

* *Email: yanshp@mail.hzau.edu.cn;*

** *Email: shuaifei.zhao@mq.edu.au; phone: +61-2-9850 9672*

Download English Version:

<https://daneshyari.com/en/article/4989518>

Download Persian Version:

<https://daneshyari.com/article/4989518>

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