

CHAPTER 1 is not yet published.

CHAPTER 2

This article is licensed under a [Creative Commons Attribution 3.0 Unported Licence](https://creativecommons.org/licenses/by/3.0/). Material from this article can be used in other publications provided that the correct acknowledgement is given with the reproduced material.

CHAPTER 3



**American Water Works  
Association**

*Dedicated to the World's Most Important Resource™*

6866 West Quincy Avenue  
Denver, CO 80235-3098  
T 303.794.7711  
www.awwa.org

February 16, 2017

William Rhoads  
wrhoads@vt.edu

Dear William:

We are pleased to grant a one-time, English-only use permission to reproduce the following AWWA material:

"Anticipating the Effects of Green Buildings on Water Quality and Infrastructure" from *Journal AWWA* (April 2015) published by the American Water Works Association.

Reproduction is authorized for the following stated purpose:

Reformatting and publication in PhD thesis for Virginia Tech, and posting to the Virginia Tech webpage at <https://vtechworks.lib.vt.edu/handle/10919/5534>.

Please use the following citation when you credit AWWA:

Reprinted from *Journal AWWA* by permission. Copyright © 2015 the American Water Works Association.

Thank you for your attention to this matter.

Sincerely,

Director of Publishing  
ZS/kjr

## CHAPTER 4.

William Rhoads <wrhoads@vt.edu>

Jan  
10

to permissions

Hello,

I would like to reproduce a paper I authored in my PhD dissertation.

Description: Full Paper

Source: Rhoads, W. J., Pruden, A., & Edwards, M. A. (2014). Anticipating challenges with in-building disinfection for control of opportunistic pathogens. *Water Environment Research*, 86(6), 540-549.

Where and how the material will be used: I would like to reproduce it in my electronic dissertation that will be posted on Virginia Tech's [webpage](#) with appropriate referencing and language.

Please let me know how I can proceed.

Thank you for your time,



Lorna Ernst <LErnst@wef.org>

11:09 AM (57  
minutes ago)

to Margaret, me

Dear William,

As your institution is a subscriber, we are please to grant you permission to reproduce this paper in your electronic dissertation with appropriate referencing and language.

I would also like to let you know that, beginning in the next month, insitutional subscribers may publish open access articles for free in *Water Environment Research* (saving the \$1400 open access fee). This will apply to all of the faculty and students at the university.

Best regards,

Lorna Ernst  
Senior Manager, Journals and Books  
Water Environment Federation  
601 Wythe Street  
Alexandria, VA 22314  
[703-684-2400, ext. 7180](tel:703-684-2400)

CHAPTERS 5 and 6 are published in open-access journals.

CHAPTER 7 is not yet published.