

American Institute of Chemical Engineers

Environmental Division Conference

Presentations at the
2008 AIChE Spring National Meeting

April 6-10, 2008
New Orleans, Louisiana, USA

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571
www.proceedings.com

ISBN: 978-1-60560-219-6

Some format issues inherent in the e-media version may also appear in this print version.

ISBN: 978-1-60560-219-6

Copyright (2008) by the American Institute of Chemical Engineers.
All rights reserved.

For permission requests, please contact the American Institute of Chemical Engineers at the address below.

American Institute of Chemical Engineers
Proceedings
Three Park Avenue
New York, NY 10016-5991
Phone: 212-591-8100

www.aiche.org

American Institute of Chemical Engineers

Environmental Division Conference
2008

TABLE OF CONTENTS

Treatment and Color Removal of Wastewaters Using Wet Air Oxidation	1
<i>Bryan Kumfer, Tim Schleusner</i>	
The Disposal of Neutralized Chemical Warfare Materials Using a Commercial Wet Oxidation System: A Case Study	9
<i>Clayton B. Maugans, Bill Adams, Ed Doyle, Jeff Bettinger, Bill Killilea, Kevin Laymon</i>	
Wet Oxidation as Applied to Powdered Activated Carbon Recovery in Wastewater Treatment	18
<i>John A. Meidl</i>	
Comparison of Treatment Efficiencies of Various Advanced Oxidation Processes for Dye Removal from Wastewater	28
<i>Meng-Wen Chang, Pei-Jen Lu, Tai-Shang Chen, Jia-Ming Chern</i>	
A Novel Static Mixer to Ensure a Minimum Processing Time for Thermophillic Sludge Digestion	29
<i>Matthew J. Armstrong, E. Bruce Nauman</i>	
New Source Review and Recent Judicial Developments	38
<i>Robert Holden</i>	
Clean Water Act Section 404: Jurisdictional Determinations and Nationwide Permits	64
<i>Karen Janise Blakemore</i>	
Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions: The New Astm Standard Practice	67
<i>Erika Erikson</i>	
Katrina: Regulatory Lessons Learned	68
<i>Mary Ellen Ternes</i>	
Author Index	