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## CE 591 Environmental Engineering Seminar Sustainable Water Reclamation

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### Description

Making the most of the world's water supplies is becoming a more pressing task as world population grows and existing water supplies are depleted or contaminated. Through the use of new water treatment technology, reclaimed water systems have become more cost effective and pave the way for a far more sustainable water supply for communities.

This class will look at the water supply forecast for the nation and review various water reclamation systems and technologies being used. Examples of reclaimed water systems for irrigation, for process water and for aquifer recharge will be presented and a class discussion will focus on the conflict between public perception and technology regarding reclamation and reuse of wastewater for potable water.

### Who Should Attend

Graduate students registered for CE591 (All Disciplines), outside professionals seeking information and PDU credit, and the general public with interest in how engineers are meeting the challenge of sustainable design.

### Format of Course

6:30 p.m. – 7: 30 p.m. *Lecture and Q/A Session*

7:30 p.m. – 8:30 p.m. *Class Project* – students work individually or in groups on in-class assignment

8:30 p.m.-9:30 p.m. *Review* previous week assignment and provide current week assignment

### Date and Location and CRN

March 19, 2009  
Salisbury Lab – RM 305 WPI Campus

### Registration Information

Professional Development Registration:  
\$50 *Lecture Only* CRN 27972 CESUS09  
\$150 *Lecture and Class Project* CRN 27986  
CESUS09 -- 2 Hrs PDH's Awarded

Graduate Course Registration:  
CRN 27162 – 3 Credits Awarded

### About the Speakers

Both speakers are WPI alumni.

**Peter Tunnicliffe** is a Senior Vice President with Camp Dresser & McKee Inc, a global consulting, engineering, construction and operations firm headquartered in Cambridge, Massachusetts ([www.cdm.com](http://www.cdm.com)). Mr. Tunnicliffe holds a Bachelors of Science in Civil Engineering from WPI (class of 74), completed Masters coursework in water resources at Northeastern and received his Juris Doctorate from Brooklyn Law School. He is a Professional Planner and Professional Engineer in numerous states, a licensed attorney, and certified international risk manager.



**Lisa Sorgini**, WPI Civil and Environmental Engineering Department class of 1998, has 10 years of experience in the water and wastewater industry, serving as a consulting engineer, sales manager and product manager. In 2008, she received her MBA from Boston College and is currently the Global Director of Strategic Marketing for Siemens Water Technologies, located in Shrewsbury, MA.



*For more information or to register call 508-831-5517. Graduate students may register at: <http://www.wpi.edu/Admin/Registrar/course056.html>; others may register through <http://cpe.wpi.edu/Individual/Workshops/regform.html>*