Central Savannah River Area Section

October 2006
Newsletter

ASME
SETTING THE STANDARD
1880 2005

Three Park Avenue
New York, NY 10016
1-800-THE-ASME

The ASME, CSRA Section Presents:

A Saturday Morning Seminar

Mechanical Integrity: The Remaining Life of Corroded Equipment

Introduction to the new joint ASME-API Standard "FFS-1 Fitness-for-Service" and the new ASME "Post-Construction Code: Inspection Planning and Repairs

Date: Saturday, October 28, 2006

Time: 9:00 am - 12:00 pm

Location: University of South Carolina-Aiken, Penland Admin. Bldg., Room 235 (a map of the campus can be found at www.usca.edu.)

Speaker: Mr. George Antaki, PE

SYNOPSIS: This technical seminar addresses the tools and techniques for mechanical integrity and calculation of remaining life of static (fixed) equipment: tanks, vessels, piping and pipelines. This is a practical, illustrated seminar, geared towards engineers and technicians who have to make run or repair decisions on degraded equipment. It covers the following topics:

- Practical understanding of corrosion mechanisms and the prediction of corrosion rates
- Overview of inspection planning and techniques for corrosion and leak detection
- Overview of the new joint ASME-API "FFS-1 Fitness-for-Service" standard
- Example application to remaining life of corroded equipment: wall thinning
- Example application of remaining life of corroded equipment: cracking
- Overview of the new ASME "Post-Construction Code"
- Compendium of tank, vessels, piping and pipeline repair options

(See page 2 for Mr. Antaki's biography)

Horse Creek Wastewater Treatment Plant Tour

A JOINT PLANT TOUR WITH AIChE

Date: Friday, October 13th (SRS "AA" Friday off)
Time: 4:00 - 5:00 pm

(See page 2 for tour details)

"Engineers uphold and advance the integrity, honor and dignity of the engineering profession by supporting the professional and technical societies of their disciplines." (Code of Engineering Ethics)

The American Society of Mechanical Engineers

Return Mail to: Central Savannah River Area Section-ASME
425 Cooper Mill Rd
North Augusta, SC 29860

Registration Info for Mechanical Integrity Seminar

Attendees will receive credit for 3 Professional Development Hours (PDH) towards maintaining PE status. Attendees may **register*** by forwarding a check in the amount of $25 for ASME members ($40 for non-members) to:

Prof. Michael D. May, Chair, Dept. of Math & Sciences
University of South Carolina at Aiken
471 University Parkway
Aiken, SC 29801

Refreshments will be served. For additional information, contact Mike May at (803) 641-3459 or e-mail at mikem@usca.edu.

***Note – It is anticipated that this will be a popular seminar topic, and attendance is limited. Register soon to guarantee your seat.**

Mr. Antaki's Biography

Mr. George Antaki, PE, is a Fellow of the American Society of Mechanical Engineers (ASME). He is member of the joint API-ASME joint Committee on Fitness-for-Service, and the ASME Post-Construction Main Committee responsible for the new ASME Post-Construction Code on inspection planning, repair and testing of pressure systems and equipment.

Mr. Antaki is instructor of courses on Equipment Integrity and ASME B31 Pressure Piping and Pipelines, conducted yearly by ASME in the US and overseas. He is the author of "Fitness-for-Service and Integrity of Piping, Vessels and Tanks" published by McGraw-Hill and "Piping and Pipeline Engineering", published by Dekker.

Horse Creek Treatment Plant Tour Details

The American Society of Mechanical Engineers and the American Institute of Chemical Engineers (AIChE) are jointly sponsoring a plant tour of the Horse Creek Wastewater Treatment Plant on Friday, October 13th, from 4:00 to 5:00 pm. The Horse Creek facility processes sewage for Aiken County and as far away as Saluda. This facility has a wide range of mechanical equipment operations such as filtration, granulation, drying, conveying, aeration, settling, and chemical control. The Horse Creek Wastewater Treatment facility is located off of Atomic Road (Rte 125) heading east toward Savannah River Site from Beech Island/North Augusta. Following the tour, the group is planning to have dinner at Ruby Tuesdays in North Augusta (dinner is optional).

For those interested in attending, please contact Kipp Neikirk at (803) 725-5390 or Gary Driesen at (803) 952-8972 by no later than October 12th. (Map below)