



MEETING HIGHLIGHTS:

- ❖ DECEMBER MEETING - CONSUMER FORENSIC INVESTIGATIONS
- ❖ JANUARY MEETING MOX FUEL. - JOINT MEETING WITH ANS.
- ❖ FEBRUARY MEETING IT'S JUST CANDY, HOW HARD CAN IT BE?

INSIDE:

ABOUT THE SPEAKER

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NOVEMBER MEETING

RECAP

INSTITUTE NEWS

DECEMBER MEETING

DATE: 12/07/04

COST: \$18.00

LOCATION: COZYMELS

MEXICAN GRILL

7727 KINGSTON PIKE

KNOXVILLE, TN

(865) 694-9811

FAJITAS – CHICKEN, BEEF OR COMBINATION SERVED ON GRILLED PEPPERS AND ONIONS

ENCHILADAS – HAND-ROLLED WITH CHEESE AND ONIONS, BARBACOA (SHREDDED BEEF), OR RANCHERO CHICKEN

TAMALES – RED CHILE PORK TAMALES, STEAMED AND TOPPED WITH ANCHO SAUCE

INCLUDES FRESH CHIPS & SALSA, FRESH HOT TORTILLAS, RICE & BEANS, AND SOFT DRINK OR TEA.

THE SECTION WILL SUBSIDIZE UP TO 15 STUDENTS.

5:30 P.M. EXECUTIVE COMMITTEE MEETING (ALL MEMBERS WELCOME)

6:00 P.M. DINNER

7:00 P.M. PROGRAM - **CONSUMER FORENSIC INVESTIGATIONS,**

FOR RESERVATIONS, PLEASE CALL, LINDA PUCKETT AT 574-2108 (PUCKETTLF@ORNL.GOV) OR

BETTY FRAZIER AT 974-2421 (BFRAZIER@UTK.EDU)

BY MONDAY, 12/6.

CONSUMER FORENSIC INVESTIGATIONS - DIVERSIFIED PRODUCT INSPECTIONS (DPI) Inc.

MR. VANZYL WILL SPEAK ABOUT THE MANUFACTURING PROCESS OF CONSUMER PRODUCTS AND EQUIPMENT USED IN RESIDENTIAL HOMES. MANY PRODUCTS THAT ARE COMMONLY USED IN A HOME ARE MANUFACTURED WITH MATERIALS THAT ARE INCOMPATIBLE FOR THE SERVICE CONDITIONS DESIGNED. HE WILL DISCUSS HOW SOME OF THESE PRODUCTS ARE "DESIGNED TO FAIL." JOHN WILL PRESENT EXAMPLES OF THESE PRODUCTS ("SHOW AND TELL")

INCLUDING WASHING MACHINE HOSES, WATER CONTROL VALVES (SOLENOID VALVES) AND SURGE PROTECTORS. FAILURE OF A HOSE OR VALVE CAN LEAD TO EXTENSIVE WATER DAMAGE TO THE HOME AND FURNISHINGS. GUIDANCE WILL BE PROVIDED ON WHAT CONSUMERS CAN DO TO PROTECT THEMSELVES FROM POTENTIAL PRODUCT FAILURES.



MR. VANZYLLE HAS BEEN INVOLVED IN A NUMBER OF CLASS ACTION PRODUCT FAILURE LAW SUITS INCLUDING MASONITE SIDING, FIRESTONE TIRES, LOUISIANA PACIFIC SIDING, POLYBUTYLENE PIPE AND FIRE RETARDANT PLYWOOD (FRT).'

ABOUT THE SPEAKER AND HIS COMPANY

JOHN VANZYLLE CURRENTLY SERVES AS THE CHAIRMAN OF THE BOARD AND CHIEF EXECUTIVE OFFICER OF DIVERSIFIED PRODUCT INSPECTIONS (DPI) INC., AN OAK RIDGE BASED COMPANY THAT SPECIALIZES IN FORENSIC INVESTIGATIONS. JOHN IS A COFOUNDER OF THE COMPANY THAT WAS STARTED IN 1991, WHICH SUBSEQUENTLY WENT PUBLIC IN 2001. MR. VANZYLLE HAS DEVELOPED NUMEROUS TEST PROTOCOLS AND PROCEDURES FOR BOTH PRODUCT FAILURE ANALYSIS AND INDOOR AIR QUALITY TESTING. MR. VANZYLLE IS A LICENSED PRIVATE INVESTIGATOR AND HOLDS A NUMBER OF CERTIFICATIONS INCLUDING; NATIONAL ASSOCIATION OF INVESTIGATIVE SPECIALIST, INSURANCE CLAIM INVESTIGATION, AND ADVANCED FIRE INVESTIGATION TECHNIQUES. MR. VANZYLLE HAS BEEN INVOLVED IN A NUMBER OF CLASS ACTION PRODUCT FAILURE LAW SUITS INCLUDING MASONITE SIDING, FIRESTONE TIRES, LOUISIANA PACIFIC SIDING, POLYBUTYLENE PIPE AND FIRE RETARDANT PLYWOOD (FRT).

DPI PERFORMS INDEPENDENT FORENSIC INVESTIGATIONS FOR THE INSURANCE INDUSTRY IN PRODUCT LIABILITY CASES. DPI RECEIVES EVIDENCE (FAILED PRODUCTS) FROM INSURANCE COMPANIES AND PERFORMS INSPECTIONS INCLUDING SPECIFIC LABORATORY TESTS TO DETERMINE ORIGINAL COMPONENT MANUFACTURER AS WELL AS ROOT CAUSE OF FAILURE. SPECIFICALLY, DPI IS TASKED WITH DETERMINING IF THE PRODUCT FAILED, HOW IT FAILED, AND WHO OR WHAT CAUSED THE FAILURE. DPI HAS PERFORMED INVESTIGATIONS ON OVER 380,000 ITEMS IN THE 14 YEARS SINCE THE COMPANY WAS FORMED.

SECTION OFFICER ELECTION RESULTS

THE VOTES ARE IN!

CONGRATULATIONS TO THE OFFICERS ELECTED TO SERVE IN 2005.

CHAIR-ELECT: BEN LEWIS
 TREASURER: STEVE MCCOY
 SECRETARY: DAVID DEPAOLI
 DIRECTORS: MARK SWIENTONIEWSKI
 SHARON ROBINSON

NOVEMBER MEETING RECAP

TOM BUSMANN FROM FOCUS ENVIRONMENTAL INC., PRESENTED A BRIEF OVERVIEW OF THE EPA FINAL RULE FOR NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR INDUSTRIAL, COMMERCIAL AND INSTITUTIONAL BOILERS AND PROCESS HEATERS (40 CFR 63 SUBPART DDDDD).

THE RULE WAS PUBLISHED IN THE FEDERAL REGISTER ON SEPTEMBER 13, 2004. THE REGULATIONS APPLY TO NEW AND EXISTING BOILERS AND PROCESS HEATERS LOCATED AT FACILITIES THAT ARE MAJOR SOURCES AND THAT USE NON-HAZARDOUS SOLID, LIQUID AND GASEOUS FUELS.

THE RULE BECAME EFFECTIVE NOVEMBER 12, 2004, AND COMPANIES HAVE 3 YEARS TO COME INTO COMPLIANCE WITH ITS REQUIREMENTS.

IF YOU MISSED THE PRESENTATION, YOU CAN REVIEW THE SLIDES AT THE SECTION WEBSITE – THERE IS A LINK FROM THE CALENDAR PAGE.

[HTTP://WWW.ORNL.GOV/SCI/AICHE/CALENDAR.HTM](http://www.ornl.gov/sci/aiche/calendar.htm)

INSTITUTE NEWS

VISIT THE AICHE WEB SITE (<[HTTP://WWW.AICHE.ORG](http://www.aiche.org)>) TO STAY CURRENT, TO LEARN ABOUT THE AICHE, NEW PROGRAMS AND OPPORTUNITIES, AND TO MORE FULLY ENJOY THE BENEFITS OF PARTICIPATION IN AICHE.

2005 SPRING NATIONAL MEETING

APRIL 10-14, HYATT REGENCY, ATLANTA, GEORGIA

THE SPRING 2005 AICHE NATIONAL MEETING WILL FOCUS ON WORKABLE SOLUTIONS TO THE CHALLENGES CONFRONTING THE CHEMICAL INDUSTRY. COMPETITION IS FIERCE. RESOURCES ARE MORE FINITE. SAFETY AND SUSTAINABILITY MUST SUPPORT PROFITABILITY. THERE'S NEVER BEEN A GREATER NEED TO WORK "FASTER, CHEAPER, BETTER."

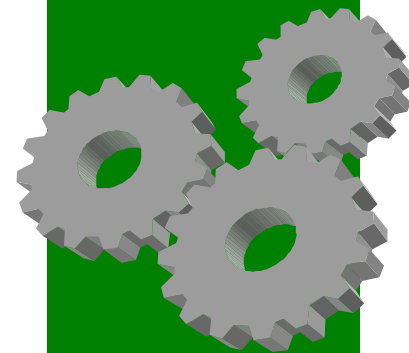
JOIN US IN ATLANTA AS WE EXPLORE

SOLUTIONS TO THESE CONCERNS IN A NEW FORMAT. THE 2005 SPRING MEETING WILL FEATURE A NEW TRACK STRUCTURE THAT WILL REACH ACROSS SPECIALTIES TO FOCUS ON WORKABLE SOLUTIONS APPLICABLE FOR ALL INDUSTRIES.

TAKE ADVANTAGE OF MANY DIVERSE TECHNICAL SESSIONS, PANEL DISCUSSIONS, CONFERENCE KEYNOTES, SHORT COURSES, AND NETWORKING EVENTS DESIGNED FOR ALL CHEMICAL ENGINEERING PROFESSIONALS.

CALL FOR PAPERS

THE ' CALL FOR PAPERS - PTP ' PROCESS IS NOW OPEN!



**KNOXVILLE - OAK
RIDGE SECTION**

E-MAIL: AICHE-
CHAT@CHEM.ENGR.UTK.E
DU

WE'RE ON THE WEB!

SEE US AT.

**HTTP://WWW.ORNL.
GOV/SCI/AICHE**

**KNOXVILLE - OAK
RIDGE SECTION**

SPONSORING OPPORTUNITIES

KNOXVILLE SECTION IS LOOKING FOR INDIVIDUAL OR CORPORATE SPONSORS TO PROVIDE STUDENT MEALS AT SECTION MEETINGS. THE SPONSOR WILL BE RECOGNIZED AT THE MEETING AND IN THE NEWSLETTER. THE COST TO SPONSOR ONE MEETING IS \$200. IT'S A GREAT WAY TO ENCOURAGE STUDENTS TO ATTEND THE LOCAL MEETINGS AND BECOME FUTURE MEMBERS IN THE INSTITUTE!

REMINDER

IF YOU WOULD LIKE TO SAVE US THE COST OF MAILING A HARD COPY OF THE NEWSLETTER TO YOU, PLEASE PROVIDE US WITH AN EMAIL ADDRESS. IF YOU CHANGE EMAIL ADDRESSES, LET US KNOW SO THAT YOU WILL RECEIVE FUTURE ELECTRONIC COPIES. CONTACT LINDA PUCKETT (PUCKETTLF@ORNL.GOV

FOR MORE INFORMATION.

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