

The Gulf Coast TAPPI *Stock Exchange*



October 2004 TECHNICAL PROGRAM

LIME RECOVERY KILN / RECAUSTICIZING SUMMIT

WEDNESDAY, OCTOBER 6, 2004

6:00 PM – 8:00 PM - Executive Committee Meeting

8:00 PM – 9:00 PM – Long Range Planning Meeting

Holiday Inn Express (see front desk)

(All meeting attendees are welcome to attend this planning and review session.)

THURSDAY, OCTOBER 7, 2004

Water Tower Conference Center – Monroeville, Alabama

7:30 AM—1:00 PM – Registration

8:00 – 9:30 AM TECHNICAL SESSION I

“Combustion by Design: Optimized Combustion in Lime Recovery Kilns”

RICHARD MANNING – Kiln Flame Systems, High Wycombe, England

From experience gained from more than 250 model studies, the presenters will discuss the modeling techniques - physical, mathematical, and computational – that they use to model kiln performance and how this can be incorporated into an effective combustion optimization strategy. The presentation will demonstrate how this methodology translates into optimized burner equipment while taking account of the impact of varying kiln or cooler design, different fuel types, dryer systems, chain section design, and NCG and SOG disposal.

“Pet Coke Grinding Systems”

JOHN MACFAYDEN – Phoenix Process Systems, St. Peters, Missouri

Grinding solid fuels such as Pet Coke and Coal is a well-developed process in lime, cement, clay, fertilizers and other processes and is readily adapted to firing lime kilns in the pulp and paper industries. The presentation will discuss the three different firing systems and why the indirect is best suited to lime kilns in pulp and paper. The paper will also discuss the different methods of grinding solid fuels and the relative costs and advantages. Weigh Feeding and Conveying Ground petcoke to the burner and other materials handling issues will be covered.

“Lime Kiln Fuel Savings”

PURNA PAI – DTE Energy Services, Ann Arbor, Michigan

Petroleum Coke can be pulverized and fired in kraft mill lime kilns at much lower cost than natural gas or fuel oil. A central pulverizing facility will avoid individual mill capital cost and improve savings. The quick lime effectively scrubs sulfur dioxide produced by the sulfur in the petroleum coke from the flue gas. The effect of this sulfur captured in the lime on the recaust cycle and the alkalinity of the white liquor must be addressed.

9:30 –9:45 AM BREAK**9:45 – 10:45 AM TECHNICAL SESSION II****“Insulated Metallic Liner Plate Systems for Lime Recovery Kiln Chain Systems”**

HENRI GRIJSPEERDT – Magotteaux, Nashville, Tennessee

Long supplied to the cement industry has been an interlocking, floating, Insulated Metallic Liner Plate System. First used in satellite tube coolers, the Kiln Liner Plate Solution has now been designed & installed in several US lime recovery operations. This design has yielded excellent reports for liner reliability & overall project ROI. The design & results from several projects will be presented.

“Metallic Plate Liner Chain System”

ASHLEIGH WALTERS – ONEX, Charleston, South Carolina

The development of a chain system that is more thermally efficient, minimizes installation time and allows variations in hanging, can be maintained without removing chain and has a life expectancy of 10-15 years will be discussed. Positive aspects of kiln operation such as high thermal efficiency, good material flow, maximum kiln space and minimal dust loss will be included.

10:45 – 11:00 AM BREAK**11:00 – 12:00 PM TECHNICAL SESSION III****“Studies & Concepts – The Problem & Solutions for Induced Draft Fan Build-up”**

MIKE RYAN – Process Laboratories, Chillicothe, Ohio

The Problem of I.D. Fan scale build-up continues to plague the industry. Forcing production loss shutdowns for cleaning, many mills have sought advice on solving the cause. Mr. Ryan will discuss his many experiences with this problem at mills throughout the US where he has defined many of the causes, and in many cases, with simple operational adjustments has been able to resolve or minimize the problem.

“Optimized Advanced Control of Reausticizing Operations”

ALLISON ROWAT – Metso Automation, Norcross, Georgia

MILL REPRESENTATIVE (to be confirmed) – Gulf Coast Region mill representative with this system in operation. Optimized control of reausticizing benefits overall Kraft Pulping operations. Reausticizing optimization can increase pulping capacity, lower lime usage, improve kiln efficiency, reduce deadload, lower steam consumption & help stabilize recovery boiler combustion. Several new systems are available for this application.

12:00 – 1:00 PM LUNCH (on your own)**1:00 – 2:30 PM TECHNICAL SESSION IV****“What’s New & Improved for Lime Recovery Kiln & Reausticizing Systems”**

KIMMO PELTONEN – Andritz, Alpharetta, Georgia

As one of the Original Equipment Manufacturers of Lime Recovery Kiln Systems, suppliers continually work within the organization & with their customers to develop & refine kiln & reausticizing technology.

“What’s New & Improved for Lime Recovery Kiln Systems”

RON RIDDLE – FFE Minerals, Bethlehem, Pennsylvania

As one of the Original Equipment Manufacturer’s of Lime Recovery Kiln Systems, with the largest worldwide kiln population via the merger of Fuller & F.L. Smidth, FFEM continually works within the organization & with their customers to develop & refine kiln technology.

“Kiln Feed End - Practical Discussion of Overlooked Losses, Potential Benefits & Upgrade Opportunities”

FRANK CACCHIONE – Metso Minerals, Montreal, Canada

A conceptual discussion which reviews a typical energy and mass balance for conventional rotary lime recovery kilns yields practical solutions and opportunities for improving energy consumption, production and mud cycle operation. An upgrade which targets key energy losses can yield production throughputs approaching that of external drying systems.

2:30 – 2:45 PM BREAK

2:45 – 4:45 PM TECHNICAL SESSION V**“LIME RECOVERY KILN / RECAUSTICIZING SYSTEMS OPEN FORUM”**

Gulf Coast Regional mills become directly involved with this meeting by giving short overviews on each mill's kiln(s)/recaust systems & each mill has been requested to submit one question for open discussion. We plan to have a 2 hour roundtable/open forum/Q & A/sharing session allowing interaction between the presenters & more importantly the mills themselves. This will offer a unique opportunity for mill personnel to discuss problems/solutions with each other & to pose questions directly to various suppliers of similar equipment at the same time. You will leave this meeting with new information & questions answered, a TRUE VALUE!

4:45 – 5:00 PM - GCT Supplier Society Meeting

6:00 - 7:00 PM - Reception (*Sponsored by Gulf Coast TAPPI & the GCT Supplier Society*)
Water Tower Conference Center (must have name badge)

7:00 - 9:00 PM – Dinner/Business Meeting
(All paid attendees, paid guests, and speakers are welcome at the dinner)

9:00 PM – Until - After Dinner Social (must have name badge)

FRIDAY, OCTOBER 8, 2004

9:00AM - 11:00AM MILL TOUR

Alabama River & Pine Pulp Mills, Claiborne, Alabama

Please Note: Registration for the Thursday technical session, and name badge, are required.

SATURDAY, OCTOBER 9, 2004

7:00AM - 9:00AM MONROEVILLE MOUNTAIN BIKE TOUR

A fun outdoor experience through the exciting Monroeville “outback”, Tour will be 23-27 miles, contact Stephen Prout for details

TIME & PLACE TO BE DETERMINED GOLF OUTING

If enough interest is expressed, arrangements will be made to play the local links, contact Glenn Hanson for details

MEETING OFFICERS

Meeting and Session Chairman: Glenn Hanson, Metso, 770/871-7317 or 404/432-4498
 Local Arrangements: Steven Prout, ARP, 251-743-8252

**HOTEL INFORMATION:
 MONROEVILLE, ALABAMA**

Location: Holiday Inn Express
 Hotel Reservations: (251) 743-3333
 Rates per night: \$ 55.95 + Tax

Location: Best Western
 Hotel Reservations: (251) 575-9999
 Rates per night: \$ 45.00 + Tax

Location: Best Value Inn
 Hotel Reservations: (251) 743-3154
 Rates per night: \$ 35.00 + Tax

Please mention affiliation with;
Gulf Coast TAPPI

MEETING PARTICIPATION FEE:

Registration (TAPPI Member-mill)*	\$80
Registration (Non-Member-mill)	\$90
Registration (TAPPI Member-vendor)*	\$105
Registration (Non-Member - vendor)	\$115
Guest (Dinner)	\$25
Speaker	\$40
Student	\$10
Retired	\$25

* indicates current membership in National TAPPI

[Professional Engineers: PDH Certificates will be available](#)

Hotel reservations should be made directly by calling ASAP.

**SUPPLIERS / VENDORS NOTE:
 TABLETOPS AVAILABLE**

A limited number of tables (3x6) will be available for product/literature displays. One per company, \$100 each. First Come, First Serve, Contact Glenn Hanson at Metso Minerals, 404/432-4498

TAPPI'S ANTI TRUST POLICY STATEMENT

The Technical Association of the Pulp and Paper Industry, Inc. is a professional and scientific association organized to further the application of the sciences in the pulp and paper industry. Its aim is to promote research and education in the practice of pulp and paper manufacture. TAPPI is not intended to, and may not, play any role in the competitive decisions of its members or in any way restrict competition in the pulp and paper industry.

Please note that TAPPI policy prevents the scheduling of business or social activities between and among participants during times of scheduled functions.

LONG - RANGE PLANNING CALENDER

The following table is the *proposed schedule* for meetings through the year 2006. Please contact the meeting chairman if you need any further information about the meeting and to confirm the meeting details.

DATE	LOCATION	TOUR	TOPIC(S)	MEETING CHAIR(S)
Feb 2005	Columbus, GA	TBA	Converting Size Press Finishing	Meeting and Technical Sessions: Bob Beem – Beem Engineering RBeem@midsouth.rr.com Local Arrangements:
June 9-11, 2005	Destin, FL	Golf, Tennis	Environmental Water & Solid Waste	Meeting and Technical Sessions: Bill Roddy – Smurfit-Stone broddy@smurfit.com Local Arrangements:
Sept/Oct, 2005	Demopolis, AL	TBA	P&P Testing/ Wet End Chemistry	Meeting and Technical Sessions: Steve Ead sead@bercen.com Local Arrangements: Elizabeth Etheridge eetherid@gulf-states.com
Feb, 2006	Thomasville, AL	TBA	Recycle/De- Inking: OCC, DLK, MOW	Meeting and Technical Sessions: tba Local Arrangements:
June, 2006	Destin, FL	Golf, Tennis	Bleaching/ Pulping	Meeting and Technical Sessions: Mark Andrews mark.andrews@kochcellulose.com Jeff McKee jeff.mckee@weyerhaeuser.com Local Arrangements:

Please send me your updated **EMAIL ADDRESS** if you would like to receive the Stock Exchange over email and you are not currently getting it or you have had a recent change in email address. New or changed addresses can be sent to jeff.smith@BTG-Group.com .

GULF COAST TAPPI EXECUTIVE BOARD WORKING FOR YOU!

GULF COAST TAPPI OFFICERS

Bill Roddy <i>Chairman</i>	Smurfit-Stone 256-437-4756
Mark Andrews <i>Vice Chairman</i>	Koch Cellulose 601-964-7196
Glenn Hanson <i>Treasurer</i>	Metso Minerals 404-432-4498
Open <i>Secretary</i>	<i>tba</i>
Gordon Bugg <i>Past Chairman</i>	

EXECUTIVE COMMITTEE 2004-2006

<u>Terms Expiring 2004</u>	
Bob Beem	Beem Engineering
Jeff McKee	Weyerhaeuser
Daniel Connell	EKA Chemicals
Stephen Prout	Alabama River
Vince LoPresti	URS Corp
Elizabeth Etheridge	Gulf States Paper
<u>Terms Expiring 2005</u>	
Fred Thompson	Tessengerlo Davison
Ike Moore	Reed Maintenance
Philip Bradbourne	DuPont
Benny Boyd	Nalco

COMMITTEE CHAIRS

Corresponding Secretary &
Supplier Society Chairman
Registration
Membership/Publicity
LSOC
Student Chapter Advisors:

Tim Watson
Steve Ead
Jeff Smith
Manuel Sibila
Gopal Krishnagopalan
Cliff George
Dale Smith

Tri Nova
Bercen
BTG Americas
RohmNova
Auburn University
Mississippi State University
Alabama Southern Community
College

YOUR PARTICIPATION IN THIS GROUP IS WELCOMED, AND NEEDED! CONSIDER THE PROFESSIONAL DEVELOPMENT AND CAREER OPPORTUNITIES FROM NETWORKING AND LEADING THE GULF COAST ASSOCIATION. Please contact Jeff Smith at 770-330-8613 or jeff.smith@BTG-Group.com for information on being a part of this leadership team.

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OCTOBER 2004 TECHNICAL PROGRAM

LIME RECOVERY KILN / RECAUSTICIZING SUMMIT

ON-SITE & PRE-REGISTRATION/APPLICATION FORM

Please Print or Type

Formal Name:		Nickname:	
Title:			
Company:			
Address:			
City:		State:	Zip
Work Phone:		Fax:	
Email:			
National TAPPI Member?	Yes / No (Please Circle)		
Category:	Mill / Supplier / Consultant / Educator / Retired / Student (Please Circle)		

Payments for Thursday, October 7, Technical Session

<input type="checkbox"/> Technical Session, Mill & Educator *	8:00 AM-5:00 PM	\$80
<input type="checkbox"/> non-TAPPI Mill Person, Educator	8:00 AM-5:00 PM	\$90
<input type="checkbox"/> Technical Session, Students	8:00 AM-5:00 PM	\$10
<input type="checkbox"/> Technical Session, Retired	8:00 AM-5:00 PM	\$25
<input type="checkbox"/> Technical Session, Supplier & Consultant *	8:00 AM-5:00 PM	\$105
<input type="checkbox"/> non-TAPPI Supplier, Consultant	8:00 AM-5:00 PM	\$115
<input type="checkbox"/> Speaker	8:00 AM-5:00 PM	\$40
<input type="checkbox"/> Reception	6:00-7:00 PM	(Sponsored by Suppliers Society)
<input type="checkbox"/> Dinner/Business Meeting	7:00-9:00 PM	Included in Registration Fee
<input type="checkbox"/> Guest Dinner		\$25

* indicates current membership in National TAPPI

TOTAL FEES PAID (cash or check please) \$

If bringing a guest please provide name for a badge: _____

Will you attend the dinner/business meeting? Yes No (need count for restaurant)

Will you attend the mill tour? Yes No

Payment Options:

Pay Onsite Check Credit Card

Payment Information:

Check No. _____ Credit Card Type: _____ Exp: _____

Cash: \$ _____ Card Number: _____

You may fax (678-248-7091) or email (jeff.smith@BTG-Group.com) this page to expedite your registration. Your badge and receipt will be ready. You only need make payment on site.