Honorable Members of PUPID,

Well, it is already the third week of November and as I write this I have just returned from the ISA Fall Leaders Meeting in Kansas City.

At the Joint Automation & Technology and Industries & Sciences Department Annual Awards Luncheon, PUPID received the Most Improved Division sharing the award with the Education, Food & Pharmaceutical, & Aerospace Divisions.

This past October, PUPID had one track (four 90-minute sessions) at the ISA Process Control & Safety Symposium at the Westloop Marriott in Houston. I am also pleased to be able to include Metso’s Powerpoint presentations “Seven Methods to Improve Control Performance in Pulp and Paper” & “Bleach Plant Optimization using Analyzers & Sensors” by Steve Obermann and Holt Crenshaw; and Michel Ruel’s powerpoint “Successful Methodology To Select Advanced Control Approach” from the symposium.

Our division net membership has decreased slightly from 412 to 361 members even though we have 51 new division members in 2014. Welcome to the new members!

I hope it is an encouragement to you to become more involved with the Division and to enroll more members from the great international pulp & paper community.

Please do not hesitate to contact me at my email brad.carlberg@bsc-engineering.com to discuss how you can help PUPID.

Do feel free to forward the Newsletter to your friends and colleagues who may have an interest in it.
TUNING TIP: ZIEGLER NICHOLS QUARTER WAVE DAMPING

BY

ABSTRACT

Open Loop Method
(Ziegler-Nichols)

![Fractional Response Graph]

The control system is allowed to come to a steady-state condition after the controller is placed on manual. A unit step change next taken on the controller output. The apparent delay time (T_d) and the maximum reaction slope (S_m) are measured.

Based upon the following Ziegler and Nichols open loop method equations, the control mode settings are calculated by inserting the proper apparent delay time (T_d) and the maximum slope of reaction curve (S_m):

Proportional Controllers

\[
K = \frac{1}{S_m T_d}
\]

Proportional Plus Integral Controllers

\[
K = \frac{0.9}{S_m T_d}, \quad T_i = 3.3T_d
\]

Proportional Plus Integral Controllers

\[
K = \frac{1.2}{S_m T_d}, \quad T_i = 2T_d, \quad T_D = 0.5T_d
\]

where:

K = Proportional Gain

T_i = Reset Time

T_D = Derivative Time

S_m = maximum slope of reaction curve

T_d = apparent delay time

Calendar of Events

Get a quick overview of the ISA PUPID events by going to the Calendar at:
https://www.isa.org/division/pupid/events/

2015 Paperweek Canada
February 2 – 5, 2015
Queen Elizabeth Hotel; Montreal PQ
http://www.paperweekcanada.ca/

2015 TAPPI PAPERCON
April 19 – 22, 2015
Georgia World Congress Center
Atlanta, GA USA
http://www.papercon.org/

2015 BLRBAC Meetings
Spring Meeting: March 30 – April 1, 2015
Fall Meeting: October 5 – 7, 2015
www.blrbac.org

China Paper 2015
22nd International Exhibition & Conference
10/14/2015 to 10/16/2015
Intex Shanghai, China
http://www.chinaexhibition.com/

2015 ISA SPRING LEADERS MEETING
SATURDAY, JUNE 13, 2015 THROUGH TUESDAY, JUNE 15, 2015
RALEIGH MARRIOTT CITY CENTER
RALEIGH, NC
Come meet your leaders & get involved!

2015 ISA PROCESS CONTROL & SAFETY SYMPOSIUM
MONDAY, NOVEMBER 10, 2015 THROUGH THURSDAY, NOVEMBER 12, 2015
WEST LOOP MARRIOTT
HOUSTON, TX

2015 ISA FALL LEADERS MEETING
FRIDAY, OCTOBER 9, 2015 THROUGH TUESDAY, OCTOBER 13, 2015
LOUISVILLE, KY
Come meet your leaders & get involved!

ABTCP 2015-48th Pulp & Paper International Congress & Exhibition
10/6/2015 to 10/8/2015
Transamerica Expo Center
Sao Paulo, Brasil
http://www.abtcp2015.org.br/ingles/
Closed Loop Method
(Ziegler-Nichols)

The Ziegler and Nichols closed loop method in this discussion is referred to as the ultimate method. In this procedure, tune all reset and derivative action out of the controller (TI = TD = 0) leaving only the proportional mode. With the controller on automatic, tune the controller gain for continuous oscillatory cycle following an upset. If the gain is too high, the system will be unstable. If the gain is too low, the system will dampen out.

When the system continues to oscillate on an upset, the gain is noted and referred to as the ultimate gain (Su). Also, the period of time between cycles is noted and referred to as the ultimate period (Pu). These values are used in the following Ziegler and Nichols closed loop ultimate method equation for controller tuning:

Proportional Controllers

\[ K = 0.5S_u \]

Proportional Plus Integral Controllers

\[ K = 0.45S_u \quad T_i = \frac{P_u}{1.2} \]

Proportional Plus Integral Controllers

\[ K = 0.6S_u \quad T_i = \frac{P_u}{2} \quad T_D = \frac{P_u}{8} \]

where:

\[ K = \text{Proportional Gain} \]
\[ T_i = \text{Reset Time} \]
\[ T_D = \text{Derivative Time} \]
\[ S_u = \text{ultimate gain} \]
\[ P_u = \text{ultimate period} \]

This Tuning Tip was excerpted from “Analog Control Techniques & Tuning (with Ziegler-Nichols)" by Ralph K. Johnson of Bailey”. ISA Members can download this paper FOR FREE from the ISA Pulp & Paper Industry Division website at http://www.isa.org/~pupid/RKJohnson_Tuning_1990.pdf.
WELCOME TO THE 50 NEW ISA PULP & PAPER INDUSTRY DIVISION MEMBER IN 2014

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HERE’S A REMINDER TO THE 61 ISA PULP & PAPER INDUSTRY DIVISION MEMBERS WHO NEED TO RENEW THEIR MEMBERSHIP

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DON’T FORGET TO RENEW!
**WHO'S DOIN' ANYTHING?**

North American packaging containerboard industry consolidation revisited

BEDFORD, MA, Sept 18, 2014 (Viewpoint) - By Ken Wagborne, Vice President, RISI

More than 900,000 tons of new capacity entered the North American containerboard market in 2013 via new machines or conversions of former printing & writing paper machines. Another 800,000 tons of capacity will enter the market in this way in 2014, and an additional 360,000 tons of new capacity will come online during 2015.

One of the more frequent questions I have received over the last six months or so is whether all of this new capacity will tip the balance of the market from being in the producers' favor, which has been the case the last four years, over to something that will be more favorable to buyers. Being an economist, I love to have hard data to support any answer. And one of the best sources for this that I have found is the Herfindahl-Hirschman Index or HHI, which I last discussed in a RISI Viewpoint in May 2010.

The HHI is calculated as the sum of the squares of the market share for the different companies in the industry. The current HHI of the containerboard industry, based on the estimates from our preliminary work on the 2014 North American Paper Packaging Capacity Report, comes in at 1,722, down modestly from the 1,751 figure for 2013.

The calculations used to generate this figure are shown in the table below. In order to save space, we are only showing figures for the top 13 companies, using 400,000 tons or 1% of the identified regional capacity as the threshold. This also happens to be positioning for the largest new entrant to the market, SP Fiber Technologies. While the remaining 18 companies account for 8.6% of total supply, they only contribute 5 points in total to the industry's HHI.

Historically, the Department of Justice considered industries with a HHI in the 1,000-1,800 range to be moderately concentrated. Industries with a HHI above 1,800 reflected a concentrated market, while those with an HHI below 1,000 were considered to be competitive markets. However, the thresholds between these market classifications appear to have changed to 2,500 and 1,500, respectively, in their 2010 Horizontal Merger Guidelines. But these guidelines also put an emphasis on the number of points any potential merger would raise the HHI, in combination with the concentration status.

When we last reviewed the HHI figures in 2010, the containerboard industry was firmly in the middle of the moderately concentrated range in the wake of International Paper's acquisition of Weyerhaeuser's packaging business. However, the HHI declined in both 2010 and 2011 since the two largest participants in the market at that time, IP and Smurfit-Stone, bore the brunt of the capacity closures that were brought on by the recession. The closure of the Eurocan mill had a limited impact on the HHI since it accounted for less than 1% of North American capacity. In a similar vein, the 2009 conversion of the Renew Paper (now KPAQ Papers) mill also had a limited direct impact on the broad HHI for the market.

The industry's HHI surged in 2012, following RockTenn's acquisition of Smurfit-Stone and International Paper's acquisition of Temple-Inland. The latter was large enough that the Department of Justice required the divestiture of three mills (eventually sold to Hood Container and New-Indy Containerboard) in order for it to proceed.

The introduction of 1.7 million tons of new capacity to the market in 2013-2014 allowed the industry HHI to slip from a peak of 1,753 in 2012 to 1,722 at the present time, despite the three additional industry acquisitions (KapStone purchasing Longview, PCA buying Boise and RockTenn buying Simpson Tacoma Kraft) during this period. So one answer to the question above is, yes, the new capacity that has entered the market during the last two years has made the market slightly more competitive. But another answer is, no, it is not enough to tip the overall industry balance back to favor buyers.

And being able to answer both yes and no to a question like this is one of the joys of being an economist!

Ken Wagborne, RISI Vice President of Global Packaging and author of the Paper Packaging Monitor, the North American Paper Packaging 5-Year Forecast, the North American Paper Packaging 15-Year Forecast and the 2012 World Boxboard Study, works out of RISI's Bedford, MA, office. Tel: +1.781.734.8922 or Email: kwagborne@risi.com.

**International Paper elects Mark Sutton as new chairman/CEO as John Faraci retires**

MEMPHIS, TN, Sept. 8, 2014 (PRNewswire) -International Paper (IP) today announced that the board of directors has elected Mark S. Sutton Chief Executive Officer, effective November 1, 2014 and chairman of the board effective January 1, 2015. Sutton currently serves as president and chief operating officer responsible for leading and running the company's global operations. Prior to his current role he was senior vice president, industrial packaging. "Mark Sutton's election as CEO and chairman and the other changes we are announcing today reaffirm International Paper's ongoing commitment to developing a strong, deep bench that will lead the company to an even more successful future," said CEO and Chairman John V. Faraci. "Under Mark's leadership, I am confident that International Paper's best days are ahead."
WHO’S DOIN’ ANYTHING?: (CONTINUED)

The company also announced the retirement of John V. Faraci, who has served as CEO and chairman of the board of directors since November 2003. Faraci led the transformation of International Paper that began in 2005, when the company included more than a dozen different businesses, from chemicals to real estate to forestry. IP sold its diverse assets and set a course to focus on its two core businesses, packaging and paper. Today, International Paper is strategically well-positioned and competing in attractive growth markets around the world. Faraci served in roles including president, executive vice president and chief financial officer before being named to the company’s top job. He will remain CEO until October 31 and chairman until December 31 and will serve as a special advisor until he retires February 28, 2015.

“The International Paper board of directors would like to thank John Faraci for his 40 years of dedicated service, including his leadership over the past decade as chairman and CEO,” said J. Steven Whisler, presiding director. "John's personal integrity, vision and keen focus on value creation helped transform International Paper into a global packaging and paper leader, and his many contributions will positively impact the company and influence the industry for years to come.”

The company also announced the following moves.

Thomas G. Kadien was named senior vice president, human resources, communications and global government relations along with current responsibilities for supply chain and IP India, effective November 1, and will continue to report to Sutton. Currently, he is senior vice president, N.A. consumer packaging, with responsibilities for operations in India and China. Kadien has been with International Paper since 1978.

Paul J. Karre, senior vice president, human resources and communications, will retire following a period of transition. After working in a variety of corporate and global business human resource roles, he was appointed vice president, human resources, in July 2000. Karre became senior vice president, human resources and communications, in 2009. Karre has been with the company since 1974.

Timothy S. Nicholls was named senior vice president, industrial packaging effective November 1, and will continue to report to Sutton. Currently, he is senior vice president, printing and communications papers-the Americas. Nicholls' previous positions included senior vice president and chief financial officer, vice president of finance, and vice president and CFO, IP Europe. He has been with International Paper since 1991.

William Hoel, who was acting senior vice president of industrial packaging, will resume his role as senior vice president, Container the Americas, reporting to Nicholls.

W. Michael Amick, Jr., was elected senior vice president, N.A. papers, pulp and consumer packaging, effective November 1, and will report to Sutton. Currently he serves as International Paper vice president and president, IP India, and as executive chairman, International Paper APPM Limited. Prior to his role in India, Amick was vice president and general manager for the coated paperboard business. He has been with International Paper since 1990.

Glenn R. Landau was elected International Paper senior vice president, effective November 1, and will continue as president, IP Latin America, with responsibilities for operations in Brazil, and will report to Sutton. Since 2013, Landau has served as International Paper vice president and president, IP Latin America. Previously, he served as vice president, investor relations, and as vice president and general manager, containerboard and recycling. He has been with the company since 1991.

Rampraveen Swaminathan was named president, IP India, effective November 1, and will report to Kadien. Currently, Swaminathan serves as IP vice president and managing director of IP APPM. Swaminathan was appointed a director of International Paper APPM Limited in January, 2012 and also as managing director and CEO of the company in March 2012.


IP restarting idle Valliant, OK, containerboard PM

OKLAHOMA CITY , Sept 22, 2014 (Press Release) - Oklahoma governor applauds IP’s $90 million restart of Valliant containerboard machine in 2015. Governor Mary Fallin applauded today's announcement by International Paper that it will restart the previously idled No. 3 machine at its Valliant containerboard mill.

"International Paper's $90 million investment in McCurtain County will result in dozens of new jobs for Oklahoma families, and make the Valliant mill one of the largest and most efficient containerboard mills in North America," said Fallin. "Due in part to Oklahoma's commitment to pro-business, pro-growth policies, we were able to restart the previously idled machine and put Oklahomans back to work."

The No. 3 machine is scheduled to be operational in the summer of 2015 and will create approximately 65 new jobs. This will also allow the plant to produce an additional 360,000 tons of capacity to produce high quality medium, a packaging material.

"We are excited about the Valliant project. Restarting our No. 3 Containerboard Machine in Valliant will bring a terrific economic benefit to the area while helping us to improve our North American Containerboard Mill system," said Todd Crutcher, IP's director, Investment Strategy-Manufacturing, Containerboard. "We remain dedicated to matching our production with our customer demand."

International Paper idled the No. 3 Machine indefinitely in October 2009. The Valliant mill currently employs approximately 620 production, support and contract maintenance employees, with an annual payroll of $45 million. It is the largest employer in southeast Oklahoma.
WHO’S DOIN’ ANYTHING?: (CONTINUED)

About International Paper
International Paper (NYSE: IP) is a global leader in packaging and paper with manufacturing operations in North America, Europe, Latin America, Russia, Asia and North Africa. Its businesses include industrial and consumer packaging and uncoated papers. Headquartered in Memphis, Tenn., the company employs approximately 65,000 people and is strategically located in more than 24 countries serving customers worldwide. International Paper net sales for 2013 were $29 billion. For more information about International Paper, its products and stewardship efforts, visit internationalpaper.com.

International Paper to reinvest $90 million in Pensacola, FL, containerboard and fluff pulp mill [From the web]
CANTONMENT, FL, Oct 30, 2014 (Local News) - International Paper has announced plans to reinvest more than $90 million over the next five years in their mill in Cantonment in order to increase energy efficiencies, support and enhance the work environment and strengthen its competitive position.

The Pensacola Containerboard Mill, located in Cantonment, employs more than 400 people. The mill has been a foundation in the Greater Pensacola Region since 1941 and was acquired by IP in 2000. IP’s Pensacola Mill – which is part of the company’s industrial packaging group – produces lightweight containerboard and specialty fluff pulp. From Pensacola, the mill’s containerboard products are sent to container facilities to create corrugated brown boxes. The fluff pulp is distributed to customers for diapers and other hygiene products.

K-C investing in bigger capacity at Australian tissue mill
MELBOURNE, Australia, Nov 13, 2014 (PPI Asia) - Kimberly Clark (K-C) has announced its intention to invest in operations at its Millicent mill in South Australia, expanding its capacity.

It declined to reveal the new target capacity of the plant, which can presently manufacture about 100,000 tonnes/yr of tissue.
Nor did it define the exact nature of the planned work, which is planned to roll out over the coming year at a cost of around A$20 million ($17.4 million).

SP Fiber reports further progress on Newberg and Dublin PM Conversions
OAKLAND, Nov 14, 2014 (PPI Pulp & Paper Week) - SP Fiber Technologies (SPFT) is continuing to ramp up production of lightweight recycled packaging grades from machine conversions at its Dublin, GA, and Newberg, OR, mills, according to SP CEO Allen Byrd at RIST's recent International Containerboard Conference (ICC).

He said the company was running packaging grades on both machines at Dublin and taking steps on PM 5 at its Newberg mill to grow its paper packaging business in the West next year.

The Dublin mill discontinued production of newsprint in August, but the company continues to make newsprint on PM 6 at Newberg. Newberg’s slow ramp. He described the startup of Newberg PM 5 on packaging grades next year as a slow ramp up process based on market demand.

Byrd said that PM 5 will likely produce 60,000 to 70,000 tons of various packaging grades in 2015, depending on market conditions. Newberg PM 5, which ceased newsprint production in January, is estimated to have capacity to produce about 150,000 tons/yr of packaging grades, somewhat lower than earlier estimated. The conversion was self-funded with moderate capital spending due to utilization of existing equipment, Byrd noted.

He said Newberg would have "the best future as a multiproduct facility." PM 6 is one of the most efficient in the newsprint industry with capacity to produce 234,000 tons/yr at speeds of 4,500 fpm.

Dublin's 'incredible platform.' The Dublin mill is an “incredible platform” focused on packaging grades now that it has ceased production of newsprint, Byrd said.

PM 1 began producing a mix of packaging grades along with newsprint earlier this year after having been converted back to newsprint from packaging grades in the spring of 2013.

That switch took place when the mill's large PM 2 newsprint machine was converted to packaging grades in a grade "flip" between PMs 1 and 2. PM 1 originally was converted to packaging grades in late 2011.

Dublin PM 2, which was recognized as the "best newsprint machine in the world" for six consecutive years, is a "papermaker's dream," Byrd said. It has a 330-in trim (making three 110-in rolls for today's wide corrugators), can run at speeds of 5,700 fpm, is equipped with a gap former, Extended Nip Press, and advanced process controls, he said. The mill largely runs on biomass energy and will sell "green power" to the grid in 2015.

Not tied to ultra-lightweight. Byrd said the Dublin mill can produce containerboard in basis weights ranging from 35-lb high performance linerboard to 9-lb ultra-lightweight grades. He said the mill sells its board into a broad sector of the containerboard market including new ultra-lightweights, which are in the early stages of development in North America.

He described the situation with the development of lightweight and ultra lightweight grades in North America as "chicken-and-egg" but said he would rather be "early" to the emerging market than "late." Such grades are common in Europe but haven't been available in North America until now.
WHO’S DOIN’ ANYTHING?: (CONTINUED)

Challenges of conversions. SP Fiber was created in September 2012 by the sale of SP Newsprint to a creditor group led by GE Capital.
In his presentation, Byrd described the challenges of undertaking conversions and indicated the learning curve is a long one and still underway.
“We made our first conversion three years ago and we are still learning new things every day,” he said.
Byrd said that even though there are considerable technical challenges with PM conversions, it is even "tougher" to make the organizational/cultural transition from a graphic paper to packaging business.
The transition required retooling the mindset of a workforce that had been accustomed to making "high quality" newsprint for three decades "to a radically different product." But he said in making a conversion, there is "no substitute for a competitive team spirit to be something special."

Total containerboard capacity. SP Fiber Technologies now operates with 550,000 tons/yr of lightweight recycled linerboard, corrugating medium, bag and specialty paper capacity. This includes Dublin PM 1 (200,000 tons/yr) and Dublin PM 2 (350,000 tons/yr). Total packaging production breaks down into 330,000 tons/yr of containerboard, and 220,000 tons/yr of bag and specialty paper, but the future mix may shift depending on market conditions, according to Byrd.
Also, Newberg PM 5’s future capacity will be 150,000 tons/yr of recycled linerboard, corrugating medium, bag and specialty papers when fully ramped up next year.

Russia’s Yeniseyskiy pulp and paper mill declared bankrupt

BRUSSELS, Nov 13, 2014 (PPI Europe) - The Yeniseyskiy pulp and paper mill, which is controlled by Russian investment firm Basic Element (BasEl), has been declared bankrupt following a hearing at the Krasnoyarsk region Arbitration Court.
The court has appointed a temporary external manager for the mill and set a new hearing on the case for April 21, 2015.
According to the court, Yeniseyskiy currently shoulders a Rouble 4 million ($0.1 million) debt.
The mill located in Krasnoyarsk, Siberia, has been incurring financial losses for more than a year now. Last December, Yeniseyskiy, which suffers from physical deterioration of the plant's equipment, had to suspend its paper production temporarily, as it was unable to cover its heat and power costs.
The mill's owner BasEl, controlled by the steel tycoon Oleg Deripaska, has been reportedly looking into the possibility of finding a partner to run the mill or else selling it. The mill houses five paper machines which can produce some 230,000 tonnes/yr of containerboard, newsprint and cartonboard

Graphic Packaging, RockTenn in lawsuit against new recycling facility planned in Indianapolis

INDIANAPOLIS, Sept. 12, 2014 (Indianapolis Business Journal) - Two paper companies and a citizen are asking a Marion County judge to halt Covanta's agreement with the city of Indianapolis to build a $45 million recycling facility. Graphic Packaging International Inc., Rock-Tenn Converting Co. and Cathy Weinmann filed a lawsuit Sept. 5 in Marion Superior Court alleging the Indianapolis Board of Public Works violated public bidding requirements and state law governing the collection and disposal of waste in Indianapolis. The plaintiffs' attorney, Allison Wells Gritton of Indianapolis-based Spalding & Hilmes PC, declined to comment. Indianapolis Business Journal - Paper companies sue over Indianapolis recycling deal RISI is not responsible for the reliability or availability of content on external websites. - See more at: http://ppimagazine.com/packaging-technology/north-america/management/graphic-packaging-rocktenn-lawsuit-against-new-recycling-facility-planned-indianapolis#sthash.FVo40Pv1.dpuf

5. Smurfit Kappa to acquire US-based corrugating packaging manufacturer Bates Container

Mon, Sep 29, 2014
Smurfit Kappa has agreed to acquire Bates Container LLC, a non-integrated corrugated packaging manufacturer in the South West of the United States.
Bates is a long-established highly regarded private corrugated manufacturer strategically positioned to serve and grow its customer base in the wider Texas region by delivering high quality differentiated packaging solutions. Bates employs 320 people and a substantial element of its approximately 135,000 tonnes of containerboard requirement will be supplied by Smurfit Kappa Orange County’s (‘SKOC’) containerboard mill in Dallas.
This transaction, which will be immediately earnings accretive, will involve an initial consideration of US$150 million with a further estimated deferred payment of US$7.5 million. The acquisition is expected to complete in the fourth quarter of 2014 subject to customary regulatory approval, with funding from existing cash reserves. The pro forma 2014 EBITDA for Bates is expected to be US$18.5 million and the Group has identified synergies of US$11.5 million which it expects to deliver within 24 months of completion. Inclusive of synergies, the transaction will carry a pro-forma multiple of 5.25 times EBITDA.
WHO’S DOING’ ANYTHING?: (CONTINUED)

Tony Smurfit, Smurfit Kappa Group COO stated, "This acquisition fits perfectly with our integrated model, complementing in a significant way the successful integration of SKOC which was acquired in December 2012 and providing us with substantial scope for further synergies in both businesses. These synergies will be primarily delivered through additional integration of the containerboard needs of Bates into SKOC’s 350,000 tonnes recycled containerboard mill, with additional savings expected through a range of operational efficiency measures. Importantly, the Group’s enlarged packaging footprint in the US will further enhance SKG’s capacity to provide innovative, insight-led and value enhancing packaging solutions to both current and prospective customers”. Gary McGann, Smurfit Kappa Group CEO, said: "We are pleased to announce our agreement to acquire Bates Container Corporation and look forward to welcoming the excellent team from Bates into the Smurfit Kappa Group. The transaction reflects our continued focus on the accretive growth of our operations in the Americas and the combination of SKOC and Bates will increase our market presence and provide us with higher quality earnings in this region."


6. OSHA investigating fatality at International Paper’s Savannah, GA, mill

SAVANNAH, GA, Sept 2, 2014 (Local News) - The Occupational Safety and Health Administration has confirmed it will be investigating the accident that killed 58-year-old Ricky Salter on Sunday at International Paper. OSHA will investigate the scene and talk to employees, as well as investigate procedures at the plant. OSHA said these types of investigations could take up to six months to complete.

According to Mark Keller, spokesman for Savannah Fire, Salter was working in the Riverside Paper Mill on Sunday afternoon when he was involved in what appeared to be an industrial accident.

WTOC - OSHA investigating after employee killed in accident at International Paper

G-P seen as ‘likely’ buyer of evergreen Packaging

OAKLAND, CA, Sept 26, 2014 (PPI Pulp & Paper Week) - Georgia-Pacific (G-P) is the most likely buyer of Evergreen Packaging, which Graeme Hart’s Rank Group put up for sale, according to a report this week from Vertical Research Partners' analyst Chip Dillon. Other interested entities including International Paper (IP), RockTenn, Clearwater Paper, and Graphic Packaging were less likely to make a move to consolidate or enter the bleached paperboard liquid and food service packaging sector.

IP and RockTenn are better off looking for other acquisitions and Clearwater Paper is focused on its growing tissue paper business, Dillon added, while Graphic Packaging might consider a bid for Evergreen to expand into bleached board or to thwart a potential takeover by IP who would expand into coated recycled and unbleached kraft board -- Graphic Packaging’s core grades.

"We are encouraged that RockTenn is signaling that Evergreen is not a priority through its recently amped-up share buyback activity,” Dillon wrote, implying RockTenn would pursue MeadWestvaco (MWV), seen as a candidate for sale or to break up its bleached and unbleached kraft businesses. A RockTenn acquisition of Evergreen would preclude a MWV deal due to antitrust limitations.

"We are confident that RockTenn sees the 'big picture' and will not pursue Evergreen,” Dillon added. IP would also be restricted by its market share combined with Evergreen. Evergreen a match for G-P Dixie. "That leaves privately-held Georgia-Pacific," said Dillon, viewing it "as the most likely buyer" among US producers. "In fact, we could see Evergreen complementing G-P's converted cup/plate brands, such as Dixie."

He also saw G-P as a potential buyer of Graphic Packaging even if it acquired Evergreen. G-P operates mills with more than five million tons/yr of packaging grade capacity in North America, with almost 80% of the share in containerboard and the rest in boxboard, based on RISI capacity figures. G-P is the third largest containerboard producer and fifth largest boxboard producer in North America, based on capacity.

"We believe the Evergreen business is attractive, especially as paper-based beverage containers take share from plastics," Dillon said. "However, it is possible that the highest bidder could be another private-equity player as the other US bleached board producers may have other priorities."

Market sources have also speculated on European company interest in the US sector. With mills in Canton, NC, and Pine Bluff, AR, Evergreen has capacity for a total 765,000 tons/yr of bleached food service and liquid packaging and about 315,000 tons of coated mechanical, and 237,000 tons of uncoated freesheet, as well as other grades.

Potential value. Dillon called early estimates of $2.5 billion for Evergreen "a stretch," based on the company's per ton value in paperboard as well as its exposure to secular declining uncoated and coated printing paper grades. Evergreen was formed in 2007 with Rank's acquisition of the Pine Bluff mill in Arkansas from IP for $500 million, and the purchase of the Canton mill from Blue Ridge Paper for $450 million.
WHO’S DOIN’ ANYTHING?: (CONTINUED)

Including converting plants, Evergreen would be valued at over $2,000 per annual tons of capacity, but the older mills face a 40% discount to replacement cost. The Canton mill in particular has struggled with water pollution and other environmental issues, Dillon added, and its "challenges may not be all in the past."

- Fusion Paperboard officially closed its doors Sept. 22, laying off 145 workers amidst local controversy over a possible sale of the coated recycled paperboard (CRB) mill and a pending environmental cleanup, according to local media. The owner since 2011, OpenGate Capital, said July 23 it would close the Sprague, CT, mill in two months, but industry contacts told RISI that actual production ceased in mid-August. The closure process is expected to continue into next year, according to a plan submitted to state environmental officials Sept. 12, The Norwich Bulletin reported. An attorney said Fusion’s financial problems may prevent it from fully complying with the plan, the newspaper story added, with the largest expense being the decommissioning of the mill's on-site wastewater treatment system. Can-Am Machinery has been retained to auction equipment including a 148-in trim Inverformer paper machine. A local official told of investor inquiries in taking over the site but none were considered by OpenGate. The Bulletin said four separate investors contacted the town for details about the company in July. Fusion, with 146,000 tons/yr of capacity, accounted for an estimated 6% of North American CRB capacity.

RockTenn expects 3-4% drop in box volume for the September quarter

OAKLAND, Sept. 12, 2014 (PPI Pulp & Paper Week) -RockTenn (RKT), the second largest North American producer, expects corrugated box volume for the September quarter to be down 3-4% from a year ago, "a bit more" than the 2-3% per day decline anticipated in the company's last conference call, CEO Steve Voorhees told a KeyBanc investment conference this week. He said the main reason for the downward adjustment was that "specific customers have found business is not as strong as anticipated at the beginning of the quarter." The company's per day box shipments were down about 2% in the June quarter, which at the time was blamed primarily on more company-specific factors such as box plant closures and "focus on profitability over volume." Voorhees expects "year-over-year volume comparisons to flatten out over the next two or three quarters" and sees "primary demand for boxes relatively flat in the near term." Two medium PMs restarting.Since mid-July the company has been taking "economic downtime" on two recycled medium machines to balance production with customer orders, Voorhees noted. But RKT recently resumed production on the West Point, VA, recycled medium machine and has told employees that it will restart production on the idle Seminole recycled medium machine in Jacksonville, FL, within the next two weeks, according to Voorhees. (A local contact said the Seminole PM could restart as early as this weekend.) Each machine has estimated production capacity of about 510 tons/day, indicating an estimated production loss from the two outages of more than 50,000 tons. Despite the lower box volume and recent PM curtailments, Voorhees said the company is "reaffirming" its earlier earnings guidance of $1.00-1.10/share for the September quarter and $6.00 of free cash flow for the entire year. ?Pratt Industries has officially opened its new $44 million corrugated box plant in Lewisburg, OH. The 350,000 ft2 plant adjacent to the company's existing sheet plant is equipped with a 110-in BHS corrugator and several finishing machines. The new plant will eventually employ 150 workers. Anthony Pratt, the company's owner, told 100 customers and guests the new plant incorporates a number of innovative environmental features, including an innovative water reclamation system. It will be supplied by the company's new $260 million, 1,000 tons/day recycled containerboard mill being built next to the company's huge box plant in Valparaiso, IN, which is scheduled for startup next fall. - See more at: http://ppimagnazine.com/packaging-technology/north-america/production-news/containerboard-rocktenn-expects-3-4-box-volume-drop-restarts-two-idle-medium-pms#sthash.N5aEPasQ.dpuf

Atlantic Packaging to acquire three International Paper bleached paperboard converting facilities

WILMINGTON, NC, Sept. 12, 2014 (PRNewswire) - Atlantic Corporation (Atlantic Packaging) of Wilmington, North Carolina, announced today a definitive agreement to purchase International Paper's three largest paperboard converting facilities in Greensboro, N.C., Hazleton, P.A. and Sturgis, M.I. Atlantic has 12 branch locations across the Southeast U.S., Dominican Republic and Central America and employs 750 people. The Wilmington, N.C. based company is a nationwide packaging products and equipment supplier to consumer products manufacturers, with paper converting facilities (similar to those acquired from IP) in several current locations. "This is a real game changer for our family company," said Rusty Carter, Atlantic President. "Overnight this gives us a major presence for all of our business segments in the Southeast, Northeast, Midwest, and soon the Southwest, with a planned new facility in Dallas, giving us full a national footprint. That is big for everyone at Atlantic. It makes us national in every way. "We enthusiastically welcome the IP employees to Atlantic and look forward to the many opportunities ahead for all of us. It is an honor for us to be working so closely now with our long time supplier IP. They are one of the world's premier paper producers." The acquired IP facilities convert (sheet and rewind) bleached paperboard produced primarily at IP mills in Riegelwood, N.C., Augusta, G.A., and Texarkana, T.X. The sheeting plants serve as finishing departments and distribution centers for national product coverage. Greg Gibson, Vice President and general manager of coated paperboard for International Paper said, "Atlantic Packaging is a leading paperboard converter with a great reputation for quality and service. This transaction offers considerable marketplace advantages for both companies. “International Paper gains significant supply chain flexibility to support our Carolina® and Everest® brands and job opportunities for our employees in three facilities.
"Atlantic Packaging gains incredible talent and expertise along with an expanded manufacturing system and marketplace presence in their core converting operations." Carter further commented about the announcement, "Being so closely aligned with a Fortune 500 company like IP is truly exciting for our small company. We have worked with IP for years but this acquisition places us in a very strong position to support our common customers and streamline the entire supply chain.” After the purchase, Atlantic will employ over 900 people and will be the largest converter of bleached paperboard in North America. Atlantic began in the small town of Tabor City, N.C. in 1946 as a weekly newspaper and has grown into one of the top 25 privately held companies in North Carolina. Founder W. Horace Carter won the Pulitzer Prize in 1952 for an aggressive newspaper campaign with the Tabor City Tribune against the Ku Klux Klan. Carter died in 2009. - See more at: http://ppimagazine.com/packaging-technology/north-america/company-investment-mergers-acquisitions-production-news/atlantic-packaging-acquire-three-international-paper-bleached-paperboard-converting-facilities-greensboro#sthash.cGis5TS2.dpuf

Mondi to shut down PM 1 at its Lohja specialty kraft paper mill in Finland

VIENNA, Austria, Aug 27, 2014 (Press Release) - Mondi confirms that on 21 August 2014 it has informed its employee representatives about the planned shutdown of paper machine one at its Lohja mill in Finland effective approximately 30 June 2015. The consultation process with all the mill’s employees will start immediately. Mondi’s Lohja mill currently employs some 170 people and a maximum of 75 employees are estimated to be affected by this restructuring. Customers and employees will be kept informed throughout the process. Mondi Lohja produces coated and uncoated speciality kraft papers for the release liner and release base markets, the medical, food packaging and food service markets.

About Mondi

Mondi is an international packaging and paper Group, employing around 26,000 people in production facilities across 31 countries. In 2013, Mondi had revenues of €6.5 billion and a ROCE of 15.3%. The Group's key operations are located in central Europe, Russia, the Americas and South Africa.

The Mondi Group is fully integrated across the packaging and paper value chain - from the management of its own forests and the production of pulp and paper (packaging paper and uncoated fine paper), to the conversion of packaging paper into corrugated packaging, industrial bags, extrusion coatings and release liner. Mondi is also a supplier of innovative consumer packaging solutions, advanced films and hygiene products components.

Mondi has a dual listed company structure, with a primary listing on the JSE Limited for Mondi Limited under the ticker code MND and a premium listing on the London Stock Exchange for Mondi plc, under the ticker code MNDI. The Group's performance, and the responsible approach it takes to good business practice, has been recognised by its inclusion in the FTSE4Good Global, European and UK Index Series (since 2008) and the JSE's Socially Responsible Investment (SRI) Index since 2007.

- See more at: http://ppimagazine.com/mills/west-europe/production/mondi-shut-down-pm-1-its-lohja-specialty-kraft-paper-mill-finland#sthash.52Ug4c1s.dpuf
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2. “SUCCESSFUL METHODOLOGY TO SELECT ADVANCED CONTROL APPROACH”
BY MICHEL RUEL

3. “SEVEN METHODS TO IMPROVE CONTROL PERFORMANCE IN PULP AND PAPER”
BY STEVE OBERMANN
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2015 Pulp & Paper Industry Division Officers

Director
Rick Van Fleet  
BTG  
rick.vanfleet@btg.com  
(602) 316-6774

Past-Director
Brad S. Carlberg, P.E.  
BSC Engineering  
brad.carlberg@bsc-engineering.com  
(251) 454-1200

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Education Chairman
Patrick J. Dixon  
Dixon Process Automation Services, Inc.  
PatJDixon@DPAS-INC.com

Advisor
Richard E. Britton, P.E.  
Retired – International Paper  
richardbritton1@comcast.net  
(251) 342-0998

Advisor
Larry E. Wells, P.E.  
CCSA, LLC  
ccsallc@bellsouth.net

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ISA Pulp & Paper Industry Division
P.O. Box 12277  
Research Triangle Park, NC 27709

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