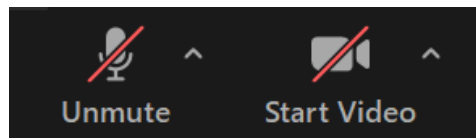




TAPPI Virtual Event Housekeeping Items

Welcome to the Yankee Dryer Spring Committee Meeting. We are looking forward to a great virtual meeting. In preparation for the meeting, please review the following housekeeping items.

- Please join the meeting via the registration confirmation link that was sent to you. Also, to prevent unwanted meeting guests, please do not forward or publicly post the meeting weblink.
- You will be placed in a “waiting room” upon joining the meeting. We will admit all participants at 9:00 a.m.
- Everyone will be muted upon entry into the meeting room and will remain muted during the meeting. During each break, participants will be encouraged to unmute themselves.
 - Participants are also asked to turn their video off during the meeting and are encouraged to turn the video on during the breaks to network.
 - Participants can modify their mute/video capability by using the features on the bottom left side of the screen.



- Chat Feature - you can type questions and comments into the **Chat** window. The chat icon is on the meeting controls tool bar either located at the bottom or top of the screen. The moderators will communicate the questions and, or comments to the speakers. **All participants must comply with the instructions of the moderator and any TAPPI virtual event staff.**
- Please note this meeting will be recorded. However, attendees are asked not to use any audio or video recording technology (including devices with digital camera functionality, such as smartphones or tablets, and recording software, such as screen capture or similar software) during a presentation and not record or photograph any speakers or any presentation during the meeting.
- Participants should not copy or take screen shots of Q&A or any chat room activity that takes place in the virtual space. TAPPI reserves the right to take any action deemed necessary and appropriate, including immediate removal from the meeting without warning, in response to any incident of unacceptable behavior, and TAPPI reserves the right to prohibit attendance at any future meeting, virtually or in person.
- Voting procedures: voting will be handled through the poll feature on the tool bar. Moderators will capture your response.

TAPPI Code of Conduct

TAPPI expects event attendees to respect each other and behave in a generally civilized fashion. Members should respect common sense rules for public behavior, personal interaction, common courtesy, and respect for private property. If you wouldn't do it at home, please do not do it at a TAPPI event. Abusive, harassing, or threatening behavior towards any other attendee or directed at any TAPPI member or partner (even those not present at the conference) will NOT be tolerated. Please report any incidents in which a conference attendee is abusive, insulting, intimidating, bothersome, or act in an unsafe or illegal manner to the conference organizers immediately.

TAPPI Code of Ethics

TAPPI expects that the conduct of each member shall be guided by the following:

- Each member shall guard and uphold the higher standard of honor for which the Association stands by a spirit of courtesy and friendliness in dealings with all members of the Association.
- Each member shall be guided in all relations by the highest principles of honor and thus maintain the dignity and high reputation of the Association.
- Each member shall not use any unfair, improper, or questionable method in securing employment.
- Each member shall, when an executive and an employer of members of the Association, act fairly with consideration in relations with member employees.
- Each member shall carefully avoid any intrusion into the business of another made for the purpose of securing unauthorized professional services or unauthorized divulgence of technical information.
- Each member shall cooperate in improving the application of technical information within the pulp and paper industry, and will also, as far as seems wise, exchange general information and experience with fellow members, and will further make the Association more valuable by contributing technical papers where such information does not conflict with the interests of the member's employer or client.
- Each member shall be frank in the expression of opinion regarding work requested by clients or employers where such work seems to present improbabilities of successful results.
- Each member shall be diligent in exposing and opposing such errors and frauds as the experience and knowledge enables each member to recognize.
- Each member shall not use undignified, sensational, or misleading language in advertising or other publications that is likely to discredit the member or the Association.
- Each member shall not issue and shall discourage associates from issuing any published statements, especially in technical papers or articles which will exaggerate or otherwise misrepresent the facts.

Virtual Events Code of Conduct and Consent Clause

TAPPI Virtual Programs Code of Conduct TAPPI is committed to providing a safe, productive, and welcoming environment for all meeting participants and TAPPI staff. All participants, including, but not limited to, attendees, speakers, volunteers, exhibitors, TAPPI staff members, service providers, and all

other participants are expected to abide by this Virtual Programs Code of Conduct. This Policy applies to all TAPPI meeting-related events, including those sponsored by organizations other than TAPPI but held in conjunction with TAPPI events, on public or private platforms.

TAPPI has zero-tolerance for any form of discrimination or harassment, including, but not limited to, sexual harassment by participants or our staff at our meetings. If you experience harassment or hear of any incidents of unacceptable behavior, TAPPI asks that you inform either Mary Beth Cornell, Membership and Global Development Director, TAPPI, +1 404-510-0696, mcornell@tappi.org Or privately inform the virtual event staff.

Unacceptable Behavior is defined as:

- Harassment, intimidation, or discrimination in any form.
- Verbal abuse of any attendee, speaker, volunteer, exhibitor, TAPPI staff member, service provider, or other meeting guest.
Examples of verbal abuse include, but are not limited to, verbal comments related to gender, sexual orientation, disability, physical appearance, body size, race, religion, national origin, inappropriate use of nudity and/or sexual images in public spaces or in presentations, or threatening or stalking any attendee, speaker, volunteer, exhibitor, TAPPI staff member, service provider, or other meeting guest.
- Disruption of presentations during sessions, in the exhibit hall, or at other events organized by TAPPI throughout the virtual meeting. All participants must comply with the instructions of the moderator and any TAPPI virtual event staff.
- Presentations, postings, and messages should not contain promotional materials, special offers, job offers, product announcements, or solicitation for services. Please see TAPPI's Commercialism Guidelines <https://www.tappi.org/Get-Involved/Speaker-Author/commercialism-guidelines/> and Antitrust policy <https://www.tappi.org/menus/functional-navigation/About-Us/our-organization/antitrust-policy/> for more presentation guidance. TAPPI reserves the right to remove such messages and potentially ban sources of those solicitations/announcements.
- Participants should not copy or take screen shots of Q&A or any chat room activity that takes place in the virtual space. TAPPI reserves the right to take any action deemed necessary and appropriate, including immediate removal from the meeting without warning or refund, in response to any incident of unacceptable behavior, and TAPPI reserves the right to prohibit attendance at any future meeting, virtually or in person.

Consent Clause

Registration and attendance at, or participation in, TAPPI meetings and other activities constitutes an agreement by the registrant to the use and distribution (both now and in the future) of the registrant or attendee's image, public chat comments, and voice in recordings/transcripts, both live and on-demand, photographs, videotapes, electronic reproductions, and audiotapes of such events and activities by TAPPI and other third parties, including but not limited the venue, the host city, and the host CVB. Your virtual registration may include technology that monitors your activities throughout the meeting, such as session attendance and virtual booths visited.



TAPPI Yankee Dryer Safety and Reliability Committee Meeting
Tuesday, May 11, 2021 – Thursday, May 13, 2021
Agenda for Microsoft Teams Virtual Meeting
All times US EST (GMT-5)

Chairman: **Jerry Jessick, Fusion Integrated Solutions**
Co-Secretaries: **Dan Ludden, Toscotec**
Nic Genske, Kimberly-Clark

Meeting Agenda for Tuesday May 11, 2021

9:00 – 9:30	Welcome and Introduction i. Meeting Roles & Responsibilities ii. Meeting Rules iii. Approval of Fall 2020 Meeting Minutes iv. Opportunities to contribute to the committee. a. Tech talks, sub-committees, special interest groups
Start – End	Subject (YDSRC Operating Model Level): Speaker, Employer
9:30 – 10:00	Multi-Level Operating Model Refresher: Jerry Jessick, Fusion Integrated Solutions • Operating model working group update.
10:00 – 10:05	TAPPI TIPS/Guidelines Update (Level 3): Matthew Paine, FM Global • Highlights of in-process creation or editing of TAPPI content. • More detail to follow in Day 2.
10:05 – 10:30	Yankee Failures Update (Level 1) • Current state review: • Future state / ownership: Magnus Hogman, Valmet Magnus Hogman, Valmet Jeff Peters, BTG German Flores, Alas Doradas Nic Genske, Kimberly-Clark
10:30 – 10:45	Break
10:45 – 11:15	Tech Talk (Level 2) – LOTO, Yankee Entry: Jeff Peters, BTG Michael Schindler, Valmet
11:15 – 11:45	Tech Talk (Level 2) – Organic coating / water chemistry: Floyd Kane, Buckman
11:45 – 12:00	Wrap-Up and Closure: Jerry Jessick, Fusion Integrated Solutions



TAPPI Yankee Dryer Safety and Reliability Committee Meeting
Tuesday, May 11, 2021 – Thursday, May 13, 2021
Agenda for Microsoft Teams Virtual Meeting
All times US EST (GMT-5)

Meeting Agenda for Wednesday May 12, 2021

9:00 – 9:15	Welcome and Introduction i. Meeting Roles & Responsibilities ii. Meeting Rules iii. Status of SIG sign-up for fall 2021 meeting	
9:15 – 10:25	YDSRC Working Group Reports (Level 3)	
9:15 – 9:30	TIP 0425-03, YD Bearings:	Clive Butler, A.Celli Matthew Paine, FM Global Don Adams, Procter & Gamble Franz Harrer, Andritz
9:30 – 9:50	TIP 0425-xx, Safe and Reliable Start-up of Yankee Hood Air Systems:	Lawrence Yane, Enerquin Floyd Kane, Buckman Alfredo Sarli, Valmet John Holton, Toscotec
9:50 – 10:10	Yankee Surface Requirements:	Clive Butler, A.Celli Neil Jeske, Georgia-Pacific Buddy Lovick, Georgia Pacific Floyd Kane, Buckman Bernard Hoeger, GrandBay Paper Gary Furman, Nalco Ana Retzlaff, Georgia Pacific Doug Holderman, Tissue Consultant David Thompson, ChemTreat Franz Harrer, Andritz
10:10 – 10:25	Guidelines, TIPs & Standards:	Dan Ludden, Toscotec Don Adams, Procter & Gamble Jerry Jessick, Fusion Integrated Solutions Matthew Paine, FM Global
10:25 – 10:30	Tech Talk Status Update (Level 2) Doctor Holders	David Thompson, ChemTreat Doug Holderman, Tissue Consultant
10:30 – 10:45	Break	
10:45 – 11:45	Guest Speakers – Dust Mitigation	Alfredo Sarli, Valmet Bud Chase, Enzymatic Deinking (EDT) Eric Jandrain, Georgia Pacific
11:45 – 12:00	Wrap-Up and Closure:	Jerry Jessick, Fusion Integrated Solutions



TAPPI Yankee Dryer Safety and Reliability Committee Meeting
Tuesday, May 11, 2021 – Thursday, May 13, 2021
Agenda for Microsoft Teams Virtual Meeting
All times US EST (GMT-5)

Chairman: **Jerry Jessick, Fusion Integrated Solutions**
Co-Secretaries: **Dan Ludden, Toscotec**
Nic Genske, Kimberly-Clark

Meeting Agenda for Thursday May 13, 2021

9:00 – 9:15 Welcome and Introduction
i. Meeting Roles & Responsibilities
ii. Meeting Rules
iii. Status of SIG sign-up for fall 2021 meeting

9:15 – 9:45 TAPPI Tissue Division Update: **Suzanne Blanchet, TAPPI Board Member**
Bud Chase, Enzymatic Deinking (EDT)

9:45 – 10:00 Break

10:00 – 10:45 Old Business

- Motions and debate on incomplete items
- Feedback on meeting virtually, hybrid, and in-person
- Case Studies

10:45 – 11:30 New Business

- Confirm presentations for fall 2021, driven by YDSRC operating model.

Fundamental Tech Talks Volunteer(s)

1	subject	
2	subject	
3	subject	

Ancillary Tech Talk Volunteer(s)

1	subject	
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TIP Review(s) Volunteer(s)

1		
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- Accept proposal from failure database working group.
- Review and confirm fall 2021 agenda.
- Volunteers for updates and revisions to NBIC Yankee Supplements
- Other new business.
- Election of new officers.

11:30 – 12:00

Wrap-Up and Closure:

Jerry Jessick, Fusion Integrated Solutions

- Fall 2021 Meeting –TAPPICon Live 2021 in Atlanta, GA. October 3-6.
- Spring 2022 Meeting – Miron Construction in Neenah, WI. Date TBD

Submitted by:

Yankee Dryer Safety & Reliability Committee Co-Secretaries

Dan Ludden, Toscotec

Nic Genske, Kimberly-Clark

TAPPI ANTITRUST POLICY
TAPPI's aim is to promote research and education, and to arrange for the collection, dissemination and interchange of technical concepts and information in fields of interest to its members. TAPPI is not intended to, and may not, play any role in the competitive decisions of its members or their employer, or in any way restrict competition among companies.



TAPPI Yankee Dryer Safety and Reliability Committee Meeting Minutes
Tuesday, October 13, 2020 – Thursday, October 15, 2020
Microsoft Teams Virtual Meeting
Meeting Minutes
All times US CST (GMT-5)

Chairman: Jerry Jessick, SteepTurn LLC

Co-Secretaries: Dan Ludden, BTG Americas
Nic Genske, Kimberly-Clark

Meeting Minutes for Tuesday October 13, 2020

Welcome and Introduction

- Meeting Roles & Responsibilities
- Meeting Rules
- Approval of Spring 2020 Meeting Minutes
- Opportunities to contribute to the committee
 - a. Tech talks, sub-committees, special interest groups, etc.

YDSRC Multi-Level Operating Model Overview: **Jerry Jessick, SteepTurn LLC**

- Begin chat to gather committee volunteers

TAPPI TIPS/Guidelines Update (Level 3): **Matthew Paine, FM Global**

- Overview of in-process creation or editing of TAPPI content

Yankee Failures Update (Level 1), Current state review: **Magnus Hogman, Valmet**

- Failure database ownership

Tech Talk (Level 2) – Safety - Fire Fighting: **Matthew Paine, FM Global, Nic Genske, Kimberly-Clark and Jerry Jessick, SteepTurn LLC**

-

Guest speaker (Level 1) – TAPPI Connect YSDRC Historical Records Update: **Brian Tholke**

Wrap-Up and Closure: **Jerry Jessick, SteepTurn LLC**

-

Meeting Minutes for Wednesday October 14, 2020

Welcome and Introduction

- Meeting Roles & Responsibilities
- Meeting Rules
- Status of SIG sign-up for spring 2021 meeting

TAPPI TIPs/Guidelines Working group reports (Level 3)

- Hoods & Process Air: **Lawrence Yane, Enerquin**
- Yankee Guidelines: TBD

TAPPI TIPs/Guidelines Working group (Level 3)

- Operating and reporting best practices **TIP Coordinator (Matthew Paine, FM Global)**
- Three examples for formation or closure
 - a. Steam & Condensate
 - b. Surface reliability
 - c. Metallization

Tech Talk (Level 2) - Design/Construction - Bearing Selection for Iron and Steel Yankee Dryers: **Clive Butler, A.Celli S.p.A.**

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Guest Speaker (Level 2) - Background of the SKF recommendations for bearing heat treatment mounted on heated cylinders: **Philippe Gachet, SKF**

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Wrap-Up and Closure: **Jerry Jessick, SteepTurn LLC**

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Meeting Agenda for Thursday October 15, 2020

Welcome and Introduction

- Meeting Roles & Responsibilities
- Meeting Rules
- Status of SIG sign-up for spring 2021 meeting

Future of this committee and meetings: **Suzanne Blanchet / Bud Chase, TAPPI Tissue Division and new Dust Mitigation Committee update**

-

Old Business

- Motions and debate on incomplete items
 - Metallization Quality Assurance: Group formation or closure
 - Surface Reliability: Group formation or closure
 - Steam & Condensate: Group formation or closure

- Yankee Guidelines Publication

New Business

- Confirm volunteers to review and assess the need for updates to TIP 0425-03 Design, Monitoring and Maintenance for Yankee Dryer Bearings
- Confirm presentations for Spring 2021, driven by model

Fundamental Tech Talks		Volunteer(s)
1	subject	
2	subject	
3	subject	

Ancillary Tech Talk		Volunteer(s)
1	subject	

TIP Review(s)		Volunteer(s)
1	TIP 0425-03 (YD Bearings)	

- Review and confirm spring 2021 agenda

Wrap-Up and Closure: **Jerry Jessick, SteepTurn LLC**

- Spring Meeting Options: @ Papercon on April 25-28, 2021 or Miron Construction or Virtual.

Submitted by:

Dan Ludden – Committee Co-Secretary

Nic Genske – Committee Co-Secretary

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Areas of focus within Level-2 of the Operating Model - Yankee Dryer Safety & Reliability Committee (YDSRC)

Safety	Operation / Process	Inspection	Maintenance and Repair	Life Cycle	Design / Construction	Ancillaries
operational safety	Heat transfer & condensing	Statutory	Metal Coatings	Purchase	MAWP: normal	Vibration
Maintenance safety	Flooding & clearing	routine	Steam erosion	purchasing a new dryer	MAWT: normal	Presses
corporate safety	Shell surface	non-routine	Records history	purchasing a used dryer	Line load: normal	roll covers
History	Roughness	fitness for service	Oxide plugging	Factory acceptance	Speed: normal	load verification
interlocks	Hardness	VT - visual	Porosity	shipping	U stamp (ASME)	Doctors-oscillation and loadings
fire fighting	Superheat effect: drying	PT - penetrant	shell plugging	installation & commissioning	ASME code cited	Yankee Coating Spray
working inside	Heat transfer & condensing	MT - magnetic	Through shell leaks,	Derate curve	Materials - code & non-code	Steam System- joints, flexibles, piping
entry	Tip velocity	UT (SB, PA, TOFD)	Leak Sealing	Records history	FEA in design and operation	separator, thermocompressor
mechanical locks	J-curves	Corrosion & pitting	Bolt Replacement	Shipping, Rigging, Cradles & Transport	CFD in design and operation	control loops, safety valve
auditing	Pool, rim, cascade, oscillate	Records history	Grinding/Surface Restoration	Storage	Factors of safety	Efficiency
safety management	Spoilers and clips	NBIC code cited (U.S.)	pipe erosion	Creep, sag, periodic rotation	Parts - picturebook	condensate & condensate pumps
Roles and responsibilities	Flooding & clearing	Indications & discontinuities	shell erosion	Derating	Parts - named	chemicals & Black Oxide
Records & records management	Crowning	RT - radiographs	maintenance	Care: new, used, in & ex-situ	Parts - bill of material	Hood System retraction
OSHA	Warm-up/Cool-down	ET - eddy current	(condensate removal, head to shell bolts,	Care: 1d, 1w, 1mo, 1yr, 5yr+	Records: MDR, drawings, data	Hood System start-up
Insurance	Metal Coatings	AE - acoustic emission	R stamp (NB-415)	Yankee Change Out	OEM QA/QC	Moisture Profilers - infra red, steam box
European	Operator Training	Head Tilt	Repair	Yankee Life Prediction	Heat treatment	Moisture Profilers - ECAMP, Hood Dampers
HSE	Records history	Runout	Alteration	Decommissioning	Hydrostatic testing	Bearings - SRB, CARB..
National Board	Crowning and Crown	OTR - topographical	Replacement parts not-in-kind	fitness for service	Tensile	failed bearings
Failure database	Chatter Marks	OTR - thermography	Joint corrosion	extra-ordinary events	NB stamp (National Board)	ladder bearing
extra-ordinary events	straw settings	IR - infrared	Joint pumping	End of life	balance weights	bearing housings
explosions	Straws	Photomicrographs	Surface blasting & cleaning	Demolition	Stressed location: standard	lubrication system
Failure	scoops	NDT	Stress corrosion cracking	Derate standardization	Stressed locations: non-standard	rockers
joint corrosion	headers	OU/IO (NB-371)	Bolt upgrade		Sensitive designs	Suction roll
failed bolts	internal piping	Head tilt, spigot fit & run-out	Grooves & gouges		factors of Safety	blind drilled roll
shell corrosion	insulating sleeves	Bolt ultrasonic testing	Plugging		fracture mechanics	shoe press
fatigue	turbulence bars/clips	Shape & wear on-the-run (OTR)	Peening		Pressure Vessel	Drive
cracks	Moisture control	or service: baseline, benchmark, non-routine, spare &	Spray patching		Code	gearbox
Objects through nip	Internals	NBIC Part 1 - Installation	Leak capping		ASME	open gear
Superheat effect: stress	drying	NBIC Part 2 - Inspection	Metal stitching		PED	drive motor
Interlocks and Permissives	Risers and collection	NBIC Part 3 - Repairs and alterations	External reinforcement		NBIC	Sunday Drive
Warm-up/Cool-down	Normal operation: s/u, s/d	NBIC Part 4 - Pressure relief devices	Grinding from A to Z		National Board	Belt design
Fire Fighting	Surface wear	Process safety device testing	Sanding & screen cloth		Construction	Doctors
Records history	Buckling (out-of-round)	Process controls device testing	Metallization - twin wire		Design	Doctor set up
MAWP: exceedance	Edge deposits	Steel weld inspection practices	Metallization - HVOF		Materials	Doctor creping
MAWT: exceedance	Entrainment & 2phase flow	Pi-taping	Metallization - materials		Joints	Doctor chatter
Line load: exceedance	benchmarking		Metallization - repair		Loadings	Doctor cleaning
Speed: exceedance					fatigue	felts
Weight: exceedance					Operating stress	edge sprays
cover failure					Bolting	Metal coating
arc strike					Welds	Superheat effect: drying, stress
fire					steam pressure	Head insulation
thermal shock					Line load	Steam control logic
over-pressure					thermal	Steam systems design
Monitoring					seismic	Bearing care (TIP 0425-03)
Line load certification					Materials - code & non-code	Blade surface damage
Line load relief					Other codes cited	Organic coating
Abnormal operation					Heat treatment	Blade friction
Process Control: devices					Condensate system design	Steam flex lines
Process Ctrl: permissive, intlk, alarm					Fatigue & life limits - iron & steel	Steam joints & rings
Emergency stops					Steam systems design	Steam pressure relief
Heat exposure: hoods, fires, other						Press transfer
Localized water cooling						Pressure roll fitness & life
Accelerated cooling						Water chemistry - wet end
Impacts: internal, external						Water chemistry - spray
Yankee incident response - risk ranked						Water chemistry - boiler
Safety management systems (SMS)						Dust mitigation
Risk-based inspection (RBI)						
Training standardization						
Guarding: nips, bolts, joints						
Lock out tag out						
Confined space entry (CSE) & rescue						
TNT equivalence						
Ventilation & air testing						
PPE						
manways						

May-2021