



EASTERN CANADA BLRBAC FALL 2014 MEETING – NOV 17 -20
– OTTAWA – LORD ELGIN HOTEL / FORTRESS - THURSO QC (MILL TOUR)

Mon Nov 17 2014 - ECBLRBAC Steering Comm. Mtg.

ECBLRBAC Committee

Fall 2014 Steering Committee Agenda & MOM

Monday, November 17 th
16h30 to ~ 18h00

Lord Elgin Hotel, Ottawa
Boardroom 800

Attendees: Dan Regan (B&W), Francois Heon (Domtar Windsor), Dave Burton (Alstom), Mike Stubbings (Diamond), Jean-Michel Simard (Resolute St-Felicien), Luc Petit ((Domtar Dryden), Dan Campbell (Alstom), Robert Fry (Northern Pulp), Walter Bursey (Irving St-John), Hal Lagimodiere (Tolko) , Pat Terfloth(Selonis) , Carmie Lato (PAPTAC)

1. Review minutes from Fall 2013 meeting (F Héon)

Corrections Identified; See Fall Meeting MOM

2. Review agenda for Fall 2014 meeting (F Héon)

Looking for New Chair and Secretary for next year

Steering Comm . Current Member List Provided (Below).

Encourage total participation in meetings

3. Review Liaison Reports (as available)
 - WCBLRBAC (Pat Terfloth)
 - Atlanta BLRBAC
4. Expected attendance
5. Financial Report (Dave B)
6. Incident reports (F Héon)
7. Future Meeting Locations / Formats
8. Steering Comm.new members, New Chairman and Treas./Secr (F Héon)
9. Miscellaneous
10. Adjourn



Current ECBLRBAC Steering Committee members, as of Nov 19, 2014

(Presented by Francois Heon)

François Héon	Chairman (end of term)	<u>francois.heon@domtar.com</u>
Dave Burton	Secretary/Treasurer (end of term)	<u>dave.r.burton@power.alstom.com</u>
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Daniel Campbell		<u>daniel.campbell@power.alstom.com</u>
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Jean-Michel Simard		<u>jean-michel.simard@resolutefp.com</u>
Mike Stubbings		<u>mstubbings@diamondcanapower.com</u>
Pat Terfloth		<u>pterfloth@solenis.com</u>
Guy Cousineau		<u>guy.cousineau@fortresscell.com</u> (new Nov 19, 2014)
Grégoire Poirier Richer		<u>greg.richer@ge.com</u> (new Nov 19, 2014)



Day 1 - Tues Nov 18 2014 - ECBLRBAC Fall Mtg.

Business Session:

MOM - ECBLRBAC Fall 2013 - Francois Heon

– Review with Attendees

– Accepted: Dan Regan , Second Pat Terfloth.

Corrections;

Domtar Dryden – Should read Topping Turbine

Domtar Windsor - - Should read 632 tubes in 2011

Financial Report 2013-14 – Dave B

-Accepted: Walter Bursey , Second Hal Lagimodiere

Old Business / New Business – No New Info.

Liason Reports:

WCBLRBAC Fall 2014 Richmond – 9 Mills attended

3 West Can Incidents – ALPAC

Spring Mtg – April 14-15 2015

Website WCBLRBAC.org includes Presentations from Meetings (Pat Terfloth)

Membership Link

Job Postings



ECBLRBAC Steering Committee Review;

Discussed good attendance for Mtg – approx. 40

Incident Reports – East – None formal

Future meeting locations – 2015 – Montreal ?, St Johns NB Irving Mill Visit – 2016 New Mill Upgrades – Recast, Digesters, Hog Fuel Process

Discussion on New Members, New Chair, Secretary/Treasurer for next session

Roles of Chair & Secretary

Bylaws Review – last time was 2012, next time 2015

Discussion - New Attendees re: Power/Energy Groups, primarily Solid Fuel Plants (Biomass). Subject to approval by Comm.

Increase Steering Comm attendance

PAPTAC – Carmie work with BLRBAC – support.- last 2 years

Will support a website for ECBLRBAC initiative

Paper Week – 100 years Feb 2015

Atlanta BLRBAC – Scott Moyer absent. Dave Burton presented ESP Review in Scotts Absence

Round Table Mill / Suppliers Updates:

Domtar Windsor – P&R Plant

- Safety -no reportable incidents – 420 days. 1.1 o/a mill
- Environment – Opacity maintain
- Production 1840 t/day
- Digester failure, market slowdowns
- Late April 2015 next Shut – Evap Condenser retube
- Projects – 2nd Co-Gen – 18 mw single extraction turbine

Alstom – GE COMING UP – status quo. Maintain support in P&P, Ghanshyam – Turbine Service Canada – Steam & Gas Turbines.



B&W – Sean Lindley - Field services ,

Valmet – Sebastien Bresciani

Northern Pulp – Robert Fry – PE committed to Mill ops and improvements – New RB Econ. building new ESP , pollution control issues. Personnel leaving

George Bodman – Chemical Cleaning. ESP Comm – discussion / recommend about chemical cleaning Econ. Some Mill IP , GP acid clean boilers every 5 – 7 years

Alvero Timotheo – Andritz – global – 2 CRU's /yr.

Pat Terfloth – Solenis (formerly Ashland) – same service / products – P&P

Benoit Janvier – Advanced Controls , CSA/BMS approval – P&P Virtual Plant Model/Project

Francois Barrette - Thurso

Carl Seguin – Acuren – Reliability / Eng Services

Charles Collura - Seimens – East Canada – Steam Turbine and Compressor . Cahnges – TFA services. Bought Rolls Royce and Dresser Rand

Pierre-Yves Meron - Buckmann Boiler water treatment ,

Carl Vosberg – Refractometers Technology . BL and GL density – economics. BLRBAC sub-comm Instrumentation

Martin Hamel – Namyatech - Electronmachine –

Guy Cousineau - Thurso - Dissolved Pulp operations 2011 – both DP & Kraft. Now 100% DP. New Co_gen 18 mw + 5.2 mw , increase mill ops – efficiency, DNCG incin PB – looking at new source for DNCG in CRU

Chris Dault - .Acuren – Service eastern Mills

Dave Morrow Acuren – Mgr . former with Tappi Comm



Trevor Murray - Irving - New Digester
Walter Burse - Irving – Maintenance & Reliability
Peter Henderson - Irving – Shift Supervisor

Luc Petit – Domtar Dryden Steam Chief – Safety - < 1, 0 reportables. Environmet – New TRS regs
– new projects in other areas . Ops – good . Shutdown – Late April 2015

JM Simard – St-Felicien , Asst Stm Chief, NG Burners on Boilers, looking at bark drying. Advanced
controls. Major maint on turbo-gen,. CRU Shtr Leaks.

Ray Burelle – Valmet. (Metso) – Products for Pulp Mills,
new Mill South America – 5000 t pulp /day – 22 M#/Day BLDS.

Robert Farmer – Valmet Regional Sales North East - Evaps , white liquor plants – recaust.

Doug Singbeil FPInnovations – materials & corrosion. Background in Composite Material
Application. Activities – Boiler Optimization, Energy Mgmt. – collaborate with CANMET. Involved
with Sandvik new composte metallurgy

Greg Richer – GE water chemistry– P&P ., Power Technical Support. New water chemistry
technologies.

Dave Murray – Diamond – expanding into M&M industries

Hal Lagimodiere – Tolko – Ops / Maintenance – 3 yrs – 0 lost time , 1.3 May 2015 Shut .
RB ESP – New Electrodes. Underground water leaks – frost. Downtime – lack of rail cars.
Sootblower Condensate issues, New Opacity Meter , 2016 – New VCG on PB, age of boiler 45
years – increased maintenance.

Mike Stubbings – new plant – Hamilton – service rebuilds, Lancaster – lance tubes.
Smaller/Slimmer org.

**Presentation – Gansham Patel –Alstom Canada - Burlington
Steam Turbine / Generator Work Shop Maintenance**

Operating Problems

- Opacity Meters – measured in % (relates to quantity - mg/m³ – actual requirement). Location in stack – Middle. Big difference based on location . Regs for location? Higher load – More dust due to fuming.
- ESP procedure – hesitancy of operators to enable ESP , affect on boiler integrity? Findings indicate little effect on boiler / no long term affects. Value of ESP versus not – operators should be empowered.
- Thurso Tour (Thurs Nov 20)
 - o Expect approx. 25 participants
 - o Demin Plant, CoGen Boiler & TG , Control Room

Mill Safety / Near Misses

- Thurso near miss – work on white liquor plant – new rubber boots leaked – always check equipment
- Dryden – New Vent Condenser – vessel access metal type gasket cut worker thru leather gloves. Gaskets installed at the mill.
- George Bodman – US Mill chemical clean. Inhaled ammonia.....subsequent lawsuit. Man fell thru a sewer cover - old corroded– man died. H₂S exposure – high level. Chemicals dumped into pond – birds killed – Mill Supt fined.
- Safety Access – Mills are requesting that all PPE be worn before entry to mill premises incl pathway to bldgs. In some cases this is a new policy. Also, designated pathways
- BL Stations – added devices to contain gun pipe? St-Felicien has chains...recommended for best practice
- Beer Can BL Nozzles - 3 mills , Northern Pulp use matl – Inconel. Developed for retrofit upgrades on shorter lower furnace designs. Use lower BL temps therefore high DS to furnace. Typ.do not last as long.
- TappiSafe –Online training for US Mill access
- Portable Eye wash squeeze cartridge – carry on belt – M&M plants
- Kruger Bromptonville – Ozone release near electric generator related to insulation

Environmental

- Dryden - Lime Kiln area – TRS emissions very high 300xresidual oxygen low. O₂ control ?, Scrubber Flows? Mud quality – Solids %?
- H₂S Gas Control – EnviroScrub.....used by any Mills?

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- Measurement of Methyl Mercaptans vs H₂S....detection ...no smell
- High Emission Alarms – Domtar - Notification to all staff in area via email/pagers , Operators, Awareness / Risks/ Responsibility

**Presentation: Richard Lipman – Wood Manufacturing Council
Workforce Renewal**

**Presentation: Andrew Costain – Acuren
Recovery Boiler Economizer Tube Cracking**

Operating Problems

- Dryden – Deaerator Condensate Return & Makeup line joint failure repeated in similar area
 - o Cracking pattern changed on occurrence's
 - o Hired Engineering firm to investigate
- St-Felicien – Want to Raise GL TTA to 140 to raise White Liquor – concern about crystallization, Others – TTA 125 -130 g/l.switch WW and GL lines weekly
- KILN Brnrs – Who uses what...Andritz, Coen,
- Thurso – looking at gas conversion with 10% Oil, Replace SS every 16 months
- Check SV's & Vacuum Breakers – yearly.
- Boiler Shutdowns – any 18 months ?
- Domtar – SS - 2yrs, ID Fan noise Hog Boiler , no wear on rotor – since boiler capacity increase
- Drum Level Bypass Operation to control Drum level. DCS jumper – interlock bypass
- St-Felicien Boiler Sightglass breaking –Purge required – safety concern. Some mills avoid using them due to other drum level devices If there is remote capability



Day 2 – Wed- Nov 19 2014 - ECBLRBAC Fall Mtg.

Thank You to Suppliers for Group Dinner – Real Sports Bar & Grill

Boiler Manufacturers Update:

Alstom – Biomass Firing Solutions

Andritz – Overview

B&W – Organization

Valmet – White Liquor Technology (John Johnson)

Presentation: Doug Singbeil - FP Innovation

Alloy Performance in Kraft Liquors

Count for Thurso Mill Tour (Nov 20) - 26 attendees

Demin Water Plant, TG Plant, Biomass Boiler, Control Room – Pulp-Side

- 304 vs 316 – mill stock . Mills tend to stock 316 (to avoid using in bleach plant)

Presentation: Pat Terfloth - Solenis

Boiler Acid Cleaning

Incidents Reports (from BLRBAC)

- ALPAC Superheater terminal Tube cracking
 - o Fixed sway attachments had been removed to allow the panels to sway freely
- RT LaTuque #4 RB Econ Leak
 - o Boiler had issues of reduced BL %DS raised concern
 - o Evaporator problem during startup
 - o Multiple DS Monitors recommended to identify changes in BL line

- Canfor Northwood #5
 - o Lower WW Tube crack
- Canfor Northwood #1
 - o Lower WW tube crack

Training

- Domtar
 - o No new hires in last few years.
 - o New Hires – fast track training.
 - o Concern over fast track ranking
 - o Dedicated Trainers – Field and Console
- Northern Pulp
 - o New Hires risk of leaving to NSPI
 - o Offered higher wages - not enough
 - o Fast Track Ranking
- Available Training Programs – Tappi, AFPA, Recovery Book
- Essential for some positions
- Different Motivators - \$, Positon
- Acuren Academy
- Thurso
 - o Incentive to work in CoGen Facility
 - o Experienced Operators left to Resolute
 - o Brought in Guys from Quevilon but have since returned
 - o Training performed during Mill Shutdown period
 - o Hiring 4 new Staff
- Irving
 - o Hire 5 operators per year lose 1 to NBPower
 - o Looking for new co-ordinator
- St-Felicien
 - o Hired new operators – 7 yrs for control operator
 - o Wants to do simulation training
 - o Check on operators re: procedures / troubleshoot
- Domtar Dryden
 - o With new 10 yr RB big shift in operators
 - o Young operators..all expected retirees now gone ..god for 10 – 15 yrs
 - o Hire 4 – 6 Students local college– Train creates a pool for hires
 - o Training Co-Ordinator from union , updates procedures
 - o No set timeline. Written Testing


- Tolko
 - o Young work force...may retirees
 - o 6-7 years experience operators
 - o Need 2nd class Shift Operators
 - o Peer based training – tours , test
 - o No Colleges nearby...Winnipeg closest
 - o Guys leaving for more \$
 - o Wanted to send Students to Winnipeg ...Supported by Govt (no costs). Students did not meet qualifications or decided not to do program

Closing Business

- Critique
 - o Good participation,
 - o Good venue,
 - o Good format TCC- Teamwork, Communication, Continuity (Do it Right first time, Safety)
 - o Good to meet with other Mills
 - o Respect Mill Challenges and wide scope of responsibility
 - o Good Presentations
 - o Recommend Mil Supt talk to other mills to promote attendance
 - o Good Contacts
 - o Like the open discussions Mills / Vendors
 - o Good Support Network
 - o Eager to have additional attendance
 - o Offer Guidance for type / format of future presentations
 - o Close Knit Group – Free Discussions
 - o Increased Awareness of CRU Issues
 - o Well Structured , Informative
 - o Timely Schedules
 - o Combination of New & Seasoned Attendance
- Steering Comm & Elections
- Presentation Subjects – Please submit
 - o EHS – Mills / Vendors –
 - o Best Practices
 - o Steam Turbine Case Study



- Fuel Cost Variability – How to deal with this.
 - Thermography Inspections
 - Process Integration – Steam for better use
 - Pollution Control Upgrades / Improvements / Emissions
 - Emission Regs. – Now/Future - Federal /Provincial/ Local – Examples
 - Refractometers – BL application
 - Others from last session
- Future Meetings
- Nov Conflicts with Power Conf.
 - Nov (sometime)
 - Montreal - 2015
 - St John NB - 2016

 EC_BLRBAC 2014				
EBLRBAC 2014				
Participants list as of: 17 Nov 2014				
	NAME	Potential	COMPANY	EMAIL
				Email
1	Alvaro Timotheo		Andritz (Roswell GA)	alvaro.timotheo@andritz.com
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7	Daniel Campbell		Alstom	daniel.campbell@power.alstom.com
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10	Luc Petit		Domtar - Dryden	luc.petit@domtar.com
11	Hal Lagimodiere		Tolko - Manitoba	hal.lagimodiere@tolko.com
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30	Paul-André de Champlain		Buckman	pdechamplain@buckman.com
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32	Guy Cousineau		Fortress Cellulose - Thurso Mill	guy.cousineau@fortresscell.com
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SPEAKERS				
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TOTAL				
	41 participants			