



WPAC Safety Committee
April 19th, 2021, Conference Call
Minutes & Action Items

Recorded by Cherie Whelan

Attendees:

First name	Last name	Company
Bob	Boyd	Shaw Resources
Corey	Gardner	Tolko Industries
David	Bickford	Timken Canada LP - Vancouver George rep
Fahimeh	Yazdanpanah	WPAC/ UBC
Frank	Wall	Premium Pellet Ltd.
Gordon	Murray	Wood Pellet Association of Canada
Grace	Cox	Canfor
Greg	Rye	West Fraser
Jay	Juvenal	CV Technology
Jeff	Mycroft	Fike Canada Inc.
Jimmy	Boudreau	Canfor
John	Swaan	FutureMetrics
John	Arsenault	Quebec Wood Export Bureau
Karen	Brandt	Brandt Strategy Inc.
Luc	Cormier	Jensen Hughes
Michael	Fantillo	Sinclar
Razvan	Petrutiu	Timken Canada LP
Rene	Landry	Shaw Resources
Shahab	Sokhansanj	UBC -Biomass and Bioenergy Research Group
Sheldon	Wheeler	Canfor
Todd	Bjorgen	Pinnacle Renewable Energy
Tom	Thorn	Arkema-ArrMaz
Travis	McCue	Canfor
Trevor	Murdock	Premium Pellet Ltd.
Bill	Laternus	BC Forest Safety Council
Cherie	Whelan	BC Forest Safety Council

1. Call to Order & Introduction

Gordon Murray called the meeting to order at 11:02am.

2. Approval of the Agenda

Agenda is approved.

3. Approval of the Minutes of Previous Meeting

The minutes of the March 10th,2021 are approved.

4. Discussion of Action Items

a. **Safety Foundations Webinar Series-** Fahimeh and Gordon provided an update:

- All 6 videos have been recorded; editing completed with quizzes. We're not able to use a live format if we want the quiz function to be automated, so our strategy will be to promote the videos for fixed dates as well as to make all 6 webinars available on demand on the WPAC website. There will be a campaign blast for each one over a 6-week period.
- First two webinars will be on Bowties and Critical Controls to line up with the Critical Control Implementation Project.
- Gordon M. will arrange for an article for Canadian Biomass and BCFSC to share in FSN.
- WorkSafeBC and UBC are sponsors.

ACTION: Safety Foundation Series: Gord Murray to coordinate an article for Canadian Biomass and share with BCFSC for distribution.

ACTION: Safety Foundations Webinar Series: Fahimeh provide an update at the next meeting.

b. **Plant Operator Training:** added as standing agenda item and update provide in minutes.

c. **Bed Dryer Working Group:** added as standing agenda item and update provide in minutes.

d. **ACTION: Best Practice Fibre Pile Management:** Shahbb provided an update.

- Have developed a draft Best Practice for Fibre Management. It is a 2 ½ page document addressing best practices for storage and piling of wood chips and sawdust. Currently at the review stage with UBC, some industry representatives and BCFSC staff.
- Are expanding for all biomass
- This is a document that will be beneficial for other industries besides pellet producers. Discussion around needing to create an article to get the word out on
- Will provide an update at next meeting

ACTION: Best Practice Fibre Pile Management: Once content is finalized, Gord Murray to work on an article with Karen Brandt for Canadian Biomass and distribute.

e. **Safety Alert:** Attached to minutes. To access more Manufacturing Safety alerts and/or sign up for the weekly distribution, go to: <https://www.bcforestsafe.org/safety-alerts/>

f. **Safety Share:**

- May 2021- Daryl Davidson

g. **ACTION:** Corey Gardiner provided links below:

<https://www.hazardexonthenet.net/article/183616/Dust-explosion-kills-three--critically-injures-five-others-in-Singapore.aspx>

<https://www.channelnewsasia.com/news/singapore/tuas-fire-explosion-3-workers-dead-5-critical-condition-14279894>

5. **Plant Operator Training:** Todd Bjorgen provided update.

- Industry Committee review in progress. Increased sub-committee to 60-90 minutes per week. Really great support from group. Increased time so that target timelines can be met (see below)
- Have a couple of new team members. Really great engagement and support.

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- Currently working on practical assessment criteria which will lead to peer review and going to on-site assessments.
- Will provide update at next meeting. If anyone has any questions, contact Todd Bjorgen.

Times lines related to Plant Operator Development
Q1/Q2 2020 – Develop Occupational Analysis Chart and Units of Competency
Q3/Q4 2020 – Draft Assessment Strategy
Q1 2021 – Peer Review of Assessments
Q2 – 2021 – Field Testing of Assessments
TBD – Learning Resources

6. **Bed Dryer Working Group Update:** Jeff Mycroft provided an update.

- Currently working on scope of work. Decision to break into subgroups and looking at best way to tackle objectives.
- Great attendance with representatives from manufacturing, safety professionals and operations.
- Bi-weekly meeting 7am PST.
- If anyone wants to sign up, let Jeff Mycroft and Jamie Collis know.
- Will provide an update at next meeting.
- For some background, see article published in Canadian Biomass, link here:
<https://www.canadianbiomassmagazine.ca/key-takeaways-from-wpacs-belt-dryer-symposium/>

7. **Equipment Isolation Project:** Gord Murray provided update on the project.

- Eric Brideau is an engineer who has been working with Dalhousie on the Critical Control Implementation Project team. He will be conducting research to include literature research, technical standard review (including NFPA 69), case studies, etc. to provide recommendation for the safer operation of deflagration isolation systems currently installed in the evaluated pellet production facilities and provide a basis for safety for future installed systems.
- Once the research has been completed and paper is completed, there will be a symposium to review the findings with industry, targeting later in 2021. Gord shared the document “Dalhousie Isolation project- Deflagration isolation (with specific application to wood pellet production)” (attached to minutes)

8. **Critical Control Implementation Project (CCIP):** Cherie W., Bill L. and Gord M. provided an update.

- Canfor Chetwynd and Premium Pellet’s submissions submitted to WSBC on time.
- Pac-Bio on-site activities completed and WSBC has provided an extension on submission because of recent COVID exposure at their site.
- BCFSC working with Pinnacle on support for their multiple plants.
- Resources for sites almost complete, and BCFSC will work with Karen Brandt to build a CCIP resource page on WPAC site for industry.
- Gord provided update on communications:

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- Recent Article from Kayleigh Brown (Dalhousie engineer supporting project):
<https://www.canadianbiomassmagazine.ca/what-you-dont-have-cant-leak-ga-with-kayleigh-rayner-brown-on-process-safety/>
- A factsheet has also been developed for the project “CRITICAL CONTROL MANAGEMENT (CCM) Breaking New Ground in Pellet Plant Safety”. This factsheet provides an overview of the project and is attached to minutes.

9. Safety Share:

- a) Fahimeh Y. provided an update on the development of *ISO 20024:2020 Solid biofuels — Safe handling and storage of solid biofuel pellets in commercial and industrial applications*.
 - i. This was a collaborative effort, and UBC and WorkSafeBC had input. This will also be a CSA standard.
 - ii. The standard is published and available for purchase here:
<https://www.iso.org/standard/71284.html>
 - iii. Not able to share because of copyright issues with ISO
 - iv. There will be an article written on it. Fahimeh will send a link to article once completed

ACTION Item: Fahimeh will send out article once published

- b) Daryl Davidson provided a Safety Share on a recent COVID outbreak at their facility. There was a recent minor cluster of cases.
 - i. Through their investigation, they found that there was a recent unsanctioned meeting between four of their employees. One of the employees have been showing symptoms but didn't say anything prior to the meeting.
 - ii. Daryl contracted COVID herself, even though, through the investigation they were able to establish no close contact between her or any of the other workers. She has contracted the COVID variant and is recovering. It has hit her very hard, even though she is healthy.
 - iii. Through their protocols, they were able to limit further exposure. They shut down for 10 days as a precaution.
 - iv. They did have to do their own contact tracing.
 - v. Some learnings from this the incident:
 1. Don't shirk from discipline,
 2. Increase supervision of workers,
 3. Do your own contract tracing,
 4. Understand that workers might not tell the truth,
 5. You need COVID programs and they need to be reviewed and tightened up. More diligence is needed around this.

10. ACTION: Next Safety Shares:

May 2021- Chris Zuberic
June 2021- John Swaan
July 2021- Daryl Davidson

11. Other Business:

None. **Next Meeting** is currently scheduled for **Wednesday, May 12^h 2021** at 11:00 a.m. PST.

Meeting adjourned at 11:46am.

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Actions arising from meeting:

Meeting Date	Action Item	Accountable
Apr-21	ACTION: Safety Foundation Series: Gord Murray to coordinate an article for Canadian Biomass and share with BCFSC for distribution.	Gord Murray
Apr-21	ACTION: Safety Foundations Webinar Series: Fahimeh provide an update at the next meeting	Fahimeh Yazdanpanah
Apr-21	ACTION: Best Practice Fibre Pile Management: Once content is finalized, Gord Murray to work on an article with Karen Brandt for Canadian Biomass and distribute.	Gord Murray
Apr-21	ACTION: ISO 20024:2020 Standard Fahimeh will send out article on <i>ISO 20024:2020 Solid biofuels — Safe handling and storage of solid biofuel pellets in commercial and industrial applications</i> once published	Fahimeh Yazdanpanah
Apr-21	Safety Share: May 2021- Chris Zuberic June 2021- John Swaan July 2021- Daryl Davidson	Chris Zuberic John Swaan Daryl Davidson