



Conveyor Equipment Manufacturers Association

1250 Tamiami Trail N., Suite 211, Naples, Florida. 34102
Tel: (239) 514-3441 • Fax: (239) 514-3470
www.cemanet.org

2021 CEMA VIRTUAL FALL ENGINEERING CONFERENCE BULK BELT SYSTEMS AND EMERGING TECHNOLOGIES COMMITTEE MEETING

Monday, November 8, 2021

MINUTES

1. Call to order
Todd Hollingsworth, Raw Engineering and Design, LLC., chair; called the meeting to order at 11:20 am
2. Attendance and Introductions – Via virtual registration (roll call attached)
3. Approval of Minutes of June 15, 2021 – Minutes were approved
4. Old Business
 - a) **Gearless Conveyor Drives** – Updates.
Subcommittee: Thomas Looper, Dodge Mechanical Power Transmission Company Inc. (chair); Raul Morales, Rexnord Industries LLC; Eric Jackson & Gerhard Schmidt, TAKRAF USA, Inc; Charlie Ritinski, Sumitomo Machinery Corporation of America; Luis Estay, Bechtel Corporation; Todd Hollingsworth, Raw Engineering and Design, LLC.
Chapter 13 was reviewed and approved. No content was changed in the process, just All gearless conveyor drives sections were removed from Chapter 16 and included in Chapter 13. This chapter 13 is for the 8th Edition of the Belt Book.
 - b) **Appendix D – Installation Standard** – Updates
Subcommittee: Todd Swinderman, RToddS Engineering, LLC (chair); Colin Barbeau, Hatch; Jim Masek, PPI; Paul Ormsbee, Overland Conveyor Co. Inc.; Akiko Wakatsuki, Fenner Dunlop Conveyor Belting; Robin Steven, ContiTech North America, Inc; Luis Estay, Bechtel Corporation; Laura Hoggan, REMA Tip Top; Todd Hollingsworth, Raw Engineering and Design, LLC.; David Jesse, Lassing Dikken Consulting Engineers Ltd
Tolerance was given and compatible with Chapter 6. Al Reicks, Overland Conveyor Co. Inc.; mentioned to Todd Swinderman that they are with their default values.
The document will be cleaned up and readied for 2022 CEMA Engineering Conference to be approved by the committee and then onto the ORs at the 2022 CEMA Fall Meeting.
 - c) **Idler Maintenance Safety** – Updates (inspection and change portion)
Subcommittee: Colin Barbeau, Hatch (chair); Gerhard Schmidt, TAKRAF USA, Inc; Geoff Stoll, Richwood; Jim Masek, PPI; David Jesse, Lassing Dikken Consulting Engineers Ltd; Benjamin Brewer, Douglas Manufacturing Co. Inc.
Colin Barbeau submitted a draft regarding inspection and change and requested for volunteers to review the information. Benjamin Brewer and Jim Masek volunteered to do the peer review.
The updated document will be submitted to the subcommittee for review, comment and

editing prior to the June 2022 CEMA Engineering Conference. Goal is to submit the document for review, comment, and/or approval to the full committee at the June 2022 CEMA Engineering Conference.

d) **Condition Monitoring White Paper** – Updates

Charlie Ritinski, Sumitomo Machinery Corporation of America reported that his coworker, Adam Soder, was writing a white paper regarding condition monitoring and address making condition monitoring available on cell phone while maintaining security. It will be ready for the 2022 CEMA Engineering Conference.

e) **Condition Monitoring for Overall System Document** – Updates

Subcommittee: Brett DeVries, FLEXCO (chair); Adam Soder, Sumitomo Machinery Corporation of America; Paul Ormsbee, Overland Conveyor Co. Inc.; Andrew Jennings, Conveyor Dynamics, Inc.; Muhammed Malik, Luff Industries Ltd.; Todd Swinderman, RToddS Engineering LLC; Scott Smith, Richwood; Andrew Timmerman, Martin Engineering Company; Andrew Hustrulid, Shaw Almex Industries Ltd.; Chad Brown, Dodge Mechanical Power Transmission Company Inc.; David Kruse, Advanced Conveyor Technologies Inc.; Jim Masek, PPI.

Brett DeVries reported the subcommittee will have a preliminary document ready for the 2022 CEMA Engineering Conference.

f) **Ceramic Lagging** (Ceramic Lagging subcommittee to coordinate with the Conveyor Pulley Committee) – No Updates

Subcommittee: Paul Ormsbee, Overland conveyors Co. Inc. (chair); Andrew Jennings, Conveyor Dynamics, Inc.; Laura Hoggan, Rema TIP TOP; Jeff Elis, PPI; Andrew Hustrulid, Shaw Almex Industries, Ltd.; Blaine Stoll, Richwood; David Kruse, Advanced Conveyor Technologies Inc.; Benjamin Brewer, Douglas Manufacturing Co. Inc.

Todd Hollingsworth will follow up with the subcommittee so that it is available at the 2022 CEMA Engineering Conference

g) **DEM Transfer Chute Design/Analysis** (Moving out of Chapter 16 and what chapter this should be moved? Notes about sticky and/or fine material included) – No Updates

Subcommittee: Paul Ormsbee, Overland Conveyor Co. Inc. (chair); Matthew Koca, FLEXCO; Andrew Jennings, Conveyor Dynamics, Inc., Colin Barbeau, Hatch; Geoff Stoll, Richwood; David Kruse, Advanced Conveyor Technologies Inc.

Todd Hollingsworth will follow up with the subcommittee so that it is available at the 2022 CEMA Engineering Conference.

h) **CWD Factor Case** (Factor to correlate flat belt test to actual trough belt with non-uniform material load distribution across the belt. Non-standard idler sets need to be included. The subcommittee needs to determine how the process can be simplified) – Updates

Subcommittee: Paul Ormsbee (chair) & Al Reicks, Overland Conveyor Co. Inc.; Andrew Hustrulid, Shaw Almex Industries, Ltd.; Andrew Jennings, Conveyor Dynamics Inc.

Todd Hollingsworth will follow up with the subcommittee so that it is available at the 2022 CEMA Engineering Conference.

i) **Pipe Conveyor Stiffness/Aging Fatigue Loss with Lifecycles** (Re-writing the section in the CEMA 7th Ed Belt Book (for the 8th Ed.)) – No Updates

Subcommittee: Sergio Zamorano, ZING eirl (chair); Robin Steven & Joshua Holcombe, Contitech North America, Inc; Luis Estay, Bechtel Corporation; Andrew Jennings, Conveyor Dynamics, Inc.; Paul Ormsbee & Al Reicks, Overland Conveyor Co. Inc.

Todd Hollingsworth will follow up with the subcommittee so that it is available at the 2022 CEMA Engineering Conference.

Add Akiko Wakatsuki, Fenner Dunlop Americas to the subcommittee.

5. New Business – No new business discussed
6. Next Meeting – June 14, 2022, at La Playa Beach & Golf Resort, Naples, FL
7. The meeting was adjourned at 11:55 am

Todd Hollingsworth, Chair

2021 CEMA VIRTUAL FALL ENGINEERING CONFERENCE - BULK BELT SYSTEMS AND EMERGING TECHNOLOGIES COMMITTEE MEETING - Roll Call

Attendance Count	Event Name	First Name	Last Name	Email	Title	Company	Phone	Country/Region
1	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Zack	Amos	zamos@dodgeindustrial.com	Application Engineer	Dodge Industrial	1-8642812162	United States of America
2	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Benjamin	Brewer	bbrewer@douglasmanufacturing.com	Chief Engineer	Douglas Manufacturing	1-12058841200	United States of America
3	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Chad	Brown	cbrown@dodgeindustrial.com	AE Manager	Dodge Industrial	1-8642526195	United States of America
4	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Brett	DeVries	bdevries@flexco.com	Engineer	Flexco	1-6162421636	United States of America
5	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Greg	Edwards	gregory.edwards@se.com	National BDM	Schneider-Electric	1-4707368731	United States of America
6	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Jeff	Ellis	jellis@ppi-global.com	Product Engineering Manager	Precision Pulley and Idler	1-6416212523	United States of America
7	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Naylu	Garces	naylu@cemanet.org	Engineering Manager	CEMA		
8	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Joshua	Holcombe	joshua.holcombe@continental.com	Research and Development Engineer	Continental	1-6144200988	United States of America
9	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Todd	Hollingsworth	thollingsworth@rawgrp.com	President	Raw Engineering & Design	1-2083779331	United States of America
10	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Andrew	Hustruld	andrew.hustruld@almex.com	Sr Vp global Services	Shaw Almex	1-305-450-1295	United States of America
11	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	David	Keech	dkeech@dodgeindustrial.com	Development Engineer	Dodge Industrial	1-8645532101	United States of America
12	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Thomas	Looper	tlooper@dodgeindustrial.com	R&D Engineer - Power Transmission Components	Dodge Industrial	1-864-281-2493	United States of America
13	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Kimberly	MacLaren	kim@cemanet.org	Mgr. Marketing/Membership	CEMA	1-2392608406	United States of America
14	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Muhammed	Malik	muhammed@luffindustries.com	Mechanical Engineer	Luff Industries Ltd.	1-4032793555	Canada
15	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Jim	Masek	jmasek@ppi-global.com	Engineer	PPI	1-6417803135	United States of America
16	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Gabriel	Moniz	gabriel.moniz@beumer.com	Operations Manager	BEUMER Corporation	1-7208123680	United States of America
17	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Charlie	Ritinski	charlie.ritinski@shi-g.com	chief product & innovation manager	Sumitomo Machinery of America	1-7576798253	United States of America
18	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Paul	Schmidgall	p.schmidgall@superior-ind.com	Chief Engineer	Superior Industries	1-6514705441	United States of America
19	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Robin	Steven	robin.steven@continental.com	CS R&D BMH Chief Engineer Steel Cord & Pipe Belts	Continental	1-9375940685	United States of America
20	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Todd	Swinderman	rtodds.eng@gmail.com	Owner	RTodds Engineering, LLC	1-3865894384	United States of America
21	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Andrew	Timmerman	andrewt@martin-eng.com	Engineering Supervisor	Martin Engineering	1-3098522384	United States of America
22	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Richard	Tomlinson	rich@luffindustries.com	Supervisor	Luff Industries LTD	1-403-279-3555	Canada
23	2021 CEMA Fall Engineering Conference - Bulk Belt Systems and Emerging Technologies Committee	Akiko	Wakatsuki	akiko.wakatsuki@fennerdunlop.com	Sr Manager	Fenner Dunlop	1-4803342115	United States of America