



**MINUTES OF THE CEMA FALL MEETING
JOINT SCREW CONVEYOR AND BUCKET ELEVATOR SECTION MEETING
Hilton Chicago O'Hare Airport, Chicago, Illinois
Wednesday, September 19, 2018**

1. Meeting was called to order at 7:01 am and Roll Call was taken with 20 attendees.
2. Attendees approved Minutes of March 12, 2018, Meeting.
3. Publication Sales of the Bucket Elevator Book as of August 31, 2018 sold 19 books, 24 pdfs, and 13 in inventory. Non-Member sales are higher than members.
4. Reviewed Engineering Conference Minutes.
 - a) Std. 300-001 Helicoid Flight OD Tolerance dimension as nominal was approved
 - b) Std. 300-019 – 2 & 3 Bolt Coupling Shaft Dimensional standards for 3-15/16", 4-7/16" shaft diameters were created per previous approval.
 - c) ANSI/CEMA Std. 350 Bulk Material List – CEMA, Naylu Garces is compiling Master List and will send out for subcommittee to approve.
 - d) Inclined & Vertical Screw Conveyor Best Practices – This was previously tabled, however; section feels it needs to be review and a subcommittee of the following will review and return to CEMA with comments no later than **October 31, 2018**.
Subcommittee: Bill Mecke-KWS Mfg.; Andrew Morton-KWS Mfg.; Jim Calhoun, SCC; Dan Bair-Bonfiglioli and Hans Rodgers-SEW Eurodrive.
 - e) ANSI/CEMA Std. 300 – U-trough plate dimensional standards are being completed. Shaftless will not have 30" and 36" standards.
 - f) ANSI/CEMA Std. 300 – A question about whether or not CEMA should get involved with recommending bolt holes for covers and troughs? The Section discussed and decided end customers need to decide their individual operational needs for access, PM, covers for their safe operation and maintenance.
 - g) OSHA and NFPA Standards for Bucket Elevators – Personal fall protection is required for levels above 24-feet now required effective November 19, 2018. Drew Beadle, Universal Industries; reported at the meeting. He volunteered to create a white paper on subject for Marketing Committee.
 - h) Bucket Elevator IOM – CEMA will send email out to each company requesting a link or pdf of their IOM and submit to CEMA (kim@cemanet.org) for subcommittee to review.
Subcommittee: Trevin Berger-Martin S&G; Jim Rogers-WAM, Inc.; Roger Bruere-4B Components; Andrew Morton-KWS Mfg.; Drew Beadle-Universal Industries; Raul Morales-Rexnord; David Stronczek-Martin S&G.
 - i) Final Errata Review of CEMA Bucket Elevator Book – Subcommittee to submit changes by end of September except for Chapter 4. Chapter 4 needs more work developing an appendix with example calculations for all of the formulas listed in the book. Goal is to finish errata for all chapters by end of 2018.

Subcommittee: David Stronczek-Martin S&G; Warren Knapp-SCC; Drew Beadle-Universal Industries; Nate Evans-SEW Eurodrive.

- j) Bucket Elevator Book, Proposed New Chapters for 2nd edition – ‘Troubleshooting’ and ‘Drive Arrangements’. A subcommittee for development of each chapter is:
Troubleshooting Subcommittee: Roger Bruere-4B Components; David Stronczek-Martin S&G; Andrew Beadle-Universal Industries.

Drive Arrangements Subcommittee: Hans Rodgers-SEW Eurodrive, Inc.; David Stronczek-Martin S&G; Andrew Beadle-Universal Industries; and a new person from Fall Mtg volunteered: Steve Schannauer-Rexnord Industries LLC

5. Membership Committee Report

- Kimberly reported that as of the 2018 CEMA Annual Meeting, we had 131 member companies and as of this meeting 132 member companies. The totals are: 5 new members companies and 3 member company resignations since January 1, 2018 through September 16, 2018 with 1 pending new manufacturing member and 1 pending resignation of a technical member.

6. Next Meeting – CEMA Annual Meeting – April 1, 2019, La Quinta Resort & Club, La Quinta, CA.

7. Other Business

- a) White Papers – Marketing request to attendees to write a one to two-page paper, credit will be given to author and company they work for. Several volunteers, they are: Paul Wehrle, Woodex Bearing Company/MECO Seal will write on ‘Materials of Construction’, Drew Beadle, Universal Industries, will write on ‘Bucket Elevators and Andrew Morton, KWS Mfg., will create a subject and submit ideal to Chair / Co-Chair of Section. White papers are submitted to CEMA (kim@cemanet.org) for review, approval and publishing.
- b) CEMA ANSI/CEMA Std. 300 with 30” and 36” standards including hangers.
- c) Update images in ANSI/CEMA Std. 300 – Tabled until 2019.

8. New Business

- a) Paul Wehrle, Woodex Bearing Company/MECO Seal recommended to create standards for large bearing dimensions 3-15/16”, 4-7/16. This will be assigned to the Engineering Committee.

9. The meeting was adjourned at 8:45 am.

Submitted by:
Chair, Thomas Young

Attachments:
Meeting Attendee List

Screw/Bucket Elevator
 Roll Call
 September 19, 2018

Name	Company	Email
James MacLaren BILL MECKE	CEMA KWS	JamesMacLaren@kws kmecke@kws.mfg.com
TOM YANG	Tinker Drive	thomas.yang@tinker.com
Andrew Beadle	Universal Industries	abeadle@ uni universalindustries.com
JOHN WHEAT	4B Components Ltd	jwheat@go4b.com
Craig Abraham	Screw Conveyor Corp.	Cabraham@screwconveyor.com
ANDREW MORTON	KWS MFG.	AMORTON@KWSMFG.COM
Bernie Hurda	Bonfiglioli	bernie.hurda@bonfiglioli.com
Dan Bair	Bonfiglioli	dan.bair@bonfiglioli.com
Chris Tarrar	Maxi-Lift, Inc.	chris@maxilift.com
ANITA KROLOWSKI	Screw Conveyor Corp	AKROLOWSKI@screwconveyor.com
Bradley Nichols	Syntron Material Handling	brad.nichols@syntronmhl.com
Jim Calhoun	Screw Conveyor Corporation	jcalhoun@screwconveyor.com
Brian Knapp	4B Components	bknapp@go4b.com
JIM ROGERS	WAM INC	JIMR@WAMINC.COM
HANS RODGERS	SEW EURODRIVE	hrodgerse@seweurodrive.com
DAVID STRONCZAK	MARTIN SPROCKET	dstronczer@martinsprocket.com
BUZZ GRANT	THOMAS CONVEYOR	bgrant@thomasconveyor.com
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Garry Abraham	Screw Conveyor Corporation	garr1932@gbzglobal.net



**MINUTES OF THE CEMA ANNUAL MEETING
JOINT SCREW CONVEYOR & BUCKET ELEVATOR SECTION MEETING
Naples Grande Beach Resort, Naples, Florida
Monday, March 12, 2018**

1. Meeting called to Order at 7:30 a.m. and Roll Call (attached)
2. Minutes of September 20, 2017, Meeting
 - a. Amendments to the minutes were made to remove the risk assessment verbiage and that a statement (warning/safety updates) was to be added to the **CEMA TR 2015-1 Risk Assessment** publication. The statement was to be added to the following publications: CEMA Document SC 2018-01, Screw Drag, and Bucket Elevator Warning/Safety Reminders, (rev. SC 2004-01), CEMA No. 352 and CEMA No. 353. The only change to the CEMA TR 2015-1 Risk Assessment was a spelling error on page 18, Appendix 4, Ref #2, second line 'buns' to 'bins'.
 - b. Minutes were approved as amended
3. Screw Conveyor Safety Video/Pub Inventory
 - a. Sales for 2017 of the above were as follows:
 - i. Screw conveyor DVD – 519 sales, 452 in inventory
 - ii. Standards 350/300/352 pdf – non-member sales 65, member sales 8
 - iii. Standard 300 pdf – nonmember sales 17, member sales 1
 - iv. Standard 352 pdf – nonmember sales 8
4. Review Engineering Conf./Fall Meeting Items
 - a. Std.300-001 – Helicoid Flight OD Tolerance Survey
 - i. Motion to approve use of “nominal thickness” for OD dimension/tolerance on helicoid flight
 - ii. Approved
 - b. Std.300-019 – 2 & 3-Bolt Coupling Shaft Dimensional Standards for 3-5/16”, 4-7/16”, and 4-15/16” Shaft Diameters.
 - i. Section was advised that this 2 & 3-Bolt Coupling Shaft Dimensional Standards were approved; however, there should be a separate standard created for each of the 2-bolt and 3-bolt coupling shaft products, i.e. 300-019b, 300-019c. The Engineering committee will need to develop these separate standard depictions.
 - c. Std. 300-013 – U-Tough End Plates: Adding end plate designs for the 30” and 36” screws.
 - i. A survey has been completed and from this, it was agreed to add 30 and 36” screw diameters to standard. Engineering Conference Committee will provide information.
 - ii. Section was advised that with implementation of the 30 and 36” Screw Dimensions in 350, that the Std. 300 Series, i.e. 002 – 016, 023-026, and 031-

034 should have the completed modifications of 30" and 36" added by the Engineering committee and presented to OR's at the fall 2018 meeting for approval. Once approved standard will go through ANSI re-certification.

- d. ANSI/CEMA Std. No. 350 Update
 - i. Cosmetic Changes were completed but printing is on hold
 - ii. The Materials Master List that is in ANSI/CEMA Std. 550 needs to be reviewed as there are inconsistencies of the list in documents CEMA No. 576, 350, and 7th ed. Belt Book. Section will present to the Bulk Handling Committee for consideration of action plan
 - e. Inclined and Vertical Screw Conveyors
 - i. The general information has been added to 'Members ONLY Page'. Note that no comment on it has been received.
 - ii. Review of this separate "members only" document was tabled until the ANSI/CEMA Std. No. 350 would be up for review and revision, as it has a section in it already for inclined and vertical screw conveyors.
 - f. Bucket Elevator Book
 - i. 3 member company representatives formed a committee (David Stronczek, Martin S&G, Warren Knapp, SCC, and Andrew Beadle, Universal Industries) and are in the process of reviewing the errata for this book, i.e. formulas, tables, definitions. Grammatical errata will be corrected by CEMA staff. The section will encourage engineering conference committee to push this to completion.
 - ii. Only 25 books are in stock; will need to reprint in the near future.
 - iii. The new OSHA and NFPA platform and worker tethering changes need to be reviewed and determine proposed changes to the Bucket Elevator book by the engineering conference committee.
 - g. CEMA TR 2015-1 Risk Assessment
 - i. The advisement is in the minutes above 2.a.
 - h. Bucket Elevator – Materials Master List
 - i. See minutes item 4.d.ii.
5. Membership Committee Representation
- a. Report given describing 3 new members, 1 pending member, 3 prospective members and 4 member resignations.
6. Election of Officers
- a. Tom Young and Andy Blanchard were elected Chair and Vice Chair for the Joint Screw Conveyor & Bucket Elevator section.
 - b. A motion was approved to thank Noel Bell for his 4 (2014-2018) years of service on the section, with 2 of those years as chair. Great job.
7. Next Meeting of the Section - September 19, 2018, Hilton Chicago O'Hare Airport. Chicago, IL
8. Meeting adjournment at 8:40 a.m.

Tom Young, Vice Chair/Secretary