

Draft Minutes

ACI Committee 240 - Natural Pozzolans

**Denver, CO
November 9, 2015
10:00 AM - 1:00 PM**

1. Members and Guest were introduced.
 - a. Membership report: The committee currently consists of 34 voting members and 5 associate members. Chmn. Neal noted that the committee membership has essentially double from that of the former sub-committee 232-0A and is indicative of the growing interest in natural pozzolans.
 - b. Denver meeting had 30 members present and 14 visitors. The attendance list is attached..
2. Draft Minutes of Kansas City Spring meeting were approved as written and posted on the ACI website. Chairman Neal thanked Bruce Ramme for conducting the Kansas City meeting and for the preparation of the minutes thereof.
3. A two-part session on natural pozzolans sponsored by committee 240 was on the docket for the Denver convention, titled "Natural Pozzolans for Sustainable Concrete". Prasad Rangaraju has done an excellent job putting this session together and not only served as Moderator but made two presentations as well. A total of 10 presentations were made, six of which were by members of Committee 240 to include: Amanda Bordelon, John Fox, Joe Thomas, Prasad Rangaraju, and Saamiya Seraj. The Committee thanks the committee members who participated in the Session.
4. Natural Pozzolan document Title: Chmn. Neal reported that the document will remain with the same title and numeric designation (232.1R-12) until such time as a revision is submitted and approved. ACI staff has linked the 232.1R-12 document to the Committee 240 webpage under the link "Published Documents".
5. Boyd Clark of the CTL Group made a presentation on "Testing Natural Pozzolans – How Natural are your Pozzolans". The presentation was well received and sparked significant discussion on the adequacy of existing standard test methods and possible limitations thereof when testing natural pozzolans. The committee acknowledged that alternate or additional test methods may be better suited when evaluating natural pozzolans and resulted in the following action item:
 - a. A Task Group on Testing/Test Methods for Natural Pozzolans was formed to assess the possible limitations of existing test methods and to identify possible alternate/additional test methods that may better characterize the properties and/or performance of natural pozzolan. The Task Group will review the current 232.1R-12 to assess adequacy of the current text in this regard and to make recommendations for revisions if so needed. Fourteen members and guest volunteered for the Task Group which is to be headed by Farshad Rajabour of Penn State. The task group roster is attached.

6. Natural pozzolans definitions: Chmn. Neal posted a list of various definitions of natural pozzolans to include ACI CT-14, ASTM C125-15a, and ASTM C 618. Although the definitions are in general similar they are nonetheless different. Discussion ensued regarding the uniformity or lack thereof in terminology for natural pozzolans and other pozzolans. The discussion resulted in the following action item:
 - a. A Task Group on Terminology was formed to assess the current definition of “natural pozzolans”, consider possible modifications, and to establish liaison with other committees as needed to seek uniformity. Ten members and guest volunteered for the Task Group which is to be headed by Larry Sutter of Michigan Tech. The task group roster is attached.
7. Chmn. Neal noted that the existing document 232.1R-12 needs to be reviewed and if deemed necessary, the process of proposing revisions/additions initiated. He will be put together a protocol checklist to assist members in developing information/documentation for submission.
8. With no further business, the meeting was adjourned.

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ACI Committee 240,
Denver Convention - November 9, 2015
Members and Guest in Attendance

Last Name	First Name	Committee Member	Guest
Adams	Tom	X	
Alhaj Hussein	Mohammed	X	
Anderson	Gary		X
Bentivegna	Anthony		X
Blankenship	Jim	X	
Bordelon	Amanda	X	
Christiansen	Mary	X	
Clark	Boyd		X
Cleary	Charles		X
Dedeloudis	Christos	X	
Diaz-Loya	Ivan	X	
Dongell	Jonathan	X	
Donovan	Mike	X	
Everman	Rebecca	X	
Farrar	Mike		X
Fox	John	X	
Grasso	Louis	X	
Hearn	Jeff		X
Hooton	Doug	X	
Jackson	Marie		
Jones	Michael		X
Kaanis	Ken		X
Keop	Linda		X
Lukkarila	Jay	X	
Lukkarila	Mark	X	
Marisca	AJ	X	
Mazzarella	Joe	X	
Morrical	Steve	X	
Neal	Bob	X	
Obla	Karthik	X	
Ragaraju	Prasad	X	
Rajabipour	Farshad		X
Ramme	Bruce	X	
Rhodes	Doug		X
Seraj	Saamiya	X	
Siddigui	Sarwar		X
Sturman	Joshua		X
Suchorski	Dave		X
Sutter	Larry	X	
Thomas	Joe	X	
Thomas	Michael	X	
Tikalsky	Paul	X	

Van Dam	Tom	X	
Wallace	Craig	X	
Werner	Bud	X	
Whidden	Jeff		X

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ACI Committee 240 Task Group on Test Methods and Testing of Natural Pozzolans Task Group Leader: Frashad Rajabipour		
Alhaj Hussein	Mohammed	m@dralhaj.com
Clark	Boyd	BClark@CTLGroup.com
Donovan	Mike	mdonovan@geofortis.cim
Everman	Rebecca	rleverman@mmm.com
Grasso	Louis	Louis.grasso@Kingstonblock.com
Jackson	Marie	mdjackson@gmail.com
Lukkarila	Jay	jhlukkarila@mmm.com
Lukkarila	Mark	mlukkarila@Braunintertic.com
Mazzarella	Joe	Jmazzarella8@gmail.com
Rajabipour	Farshad	farshad@psu.edu
Rangaraju	Prasad	Prasad@clemson.edu
Seraj	Saamiya	Saami.seraj@gmail.com
Thomas	Joe	joe@magmatics.com
Werner	Bud	owner@ctlthompson.com

ACI Committee 240 Task Group on Definitions/Terminology Task Group Leader: Larry Sutter		
Alhaj Hussein	Mohammed	m@dralhaj.com
Clark	Boyd	BClark@CTLGroup.com
Grasso	Louis	Louis.grasso@Kingstonblock.com
Lukkarila	Jay	jhlukkarila@mmm.com
Lukkarila	Mark	mlukkarila@Braunintertic.com
Marisca	AJ	aj.marisca@basf.com
Mazzarella	Joe	Jmazzarella8@gmail.com
Rangaraju	Prasad	Prasad@clemson.edu
Sutter	Larry	lsutter@mtu.edu
Wallace	Craig	cwallace@headwaters.com