

**GREENBOOK COMMITTEE
NEW MATERIALS-SURFACE SUBCOMMITTEE
CONCRETE AD HOC GROUP**

MINUTES
February 13th, 2020

Chairman Nathan Forrest called the meeting to order at 10:33am. The meeting was held in the OC Public Works conference room at: 1152 E. Fruit St., Santa Ana, CA (Conference Room B)

1. Self-introductions were made by the participants in attendance (from the sign-in sheet):

Nathan Forrest – CNCA
Vince Perez – Euclid Chemical
Mike Soler – OCPW
Erik Updyke
Shubadah Gadker – National Ready Mix
Renato Kich – National Ready Mix

Conference Call Participants announced themselves:

Jeff Pollard – Vulcan Materials
RJohn Marquez– City of Los Angeles
Don Vivant – Sully Miller

2. Minutes from the previous meeting:

- a) Minutes from the January 2020 meeting were reviewed by all
- b) A motion was made by Renato Kich to approve the minutes
- c) Motion passed without objection

3. Current Business:

- a) Change No. 286MMS Fly Ash in Concrete Specified by Class and Special Exposure Mixes (201-1.1.3) – Group
 - i. A decision was reached to change the exposure categories to align with those found in ACI 318-19, Chapter 19 (Categories F, S, W, and C, corresponding to Freeze-Thaw, Sulfate, Water, and Chemical exposures) and to make reference to ACI 318 for proportioning direction
 - ii. Language to be drafted for consideration at the March 2020 meeting
- b) Section 201-1 Reorganization – Group
 - i. The group began reviewing a draft reorganization of Section 201-1 prepared by Erik Updyke (which was transmitted for review prior to the meeting)
 - ii. The group reviewed 201-1.1 General through 201-1.2.5.6: ‘Specific Performance Admixtures’
 - iii. The group will continue to review the draft reorganization in March

- c) 201.1.1.5 Mortar Cube tests - Perez:
 - i. Setting of Mortar per CT 515 (2013)
 - ii. Drying Shrinkage (with admixture) per CT 530 (2013)
 - iii. A vote was taken on whether to forward proposed change to the Surface Subcommittee. All present were in favor – the item will be forwarded for consideration

- d) 201-1-1.4 Minimum Cement Content requirements – Brodahl
 - i. Discussion continued on how best to update this specification to allow the use of concrete with reduced climate impact while continuing to ensure its required performance
 - ii. The current specification calls for a minimum cement or cementitious content of 560 lbs/cy.
 - iii. A proposal was made to change the minimum limit to 376lbs/cy (4 sacks) of Portland cement and 470 lbs/cy (5 sacks) of cementitious
 - iv. Discussion will continue at the March meeting

- 4. New Business: None.

- 5. Next meeting: will be **Thursday, March 12th at 10:30 am**, at OC Public Works, Santa Ana.

- 6. Meeting adjourned at 12:26pm

Submitted by:

Nathan Forrest

Chairman