



**Public Works Standards, Inc.
Greenbook Committee
New Materials and Methods Subcommittee
Concrete Ad Hoc Group**

www.Greenbookspecs.org

Minutes

Thursday, September 12 at 9:30 AM

CTS Cement

11065 Knott Ave, Suite A,

Cypress, CA

Conference Call Option (800) 309-2899

Conference Code 7670926550

Attendees

Ken Sears –
Headwaters
Tom Meyer – Cell-
Crete
David Akers –
Consultant

Steve Martindale –
OCPW
Renato Kich –
National R/M
Kirk McDonald –
CalPortland

On-Phone
Javier Soto

- I. The meeting was called to order at 9:40 AM and self introductions were made.
- II. Minutes of August 8, 2013 were approved as written.
- III. Old Business
 - a. Portland Cement Update – This has been submitted to Javier and a change number has been requested. He has discussed this with Eric Updyke since it will be a major change to the Green Book. It was noted that the page numbers in the proposed change do not correspond to the current Green Book; an adjustment is needed.
 - b. Recycled Fresh Concrete – No report at this meeting. Waiting on word from Caltrans.
 - c. 252NS - Fractured Faces - Approved by Main Committee in July.
 - d. 246NS - ASR Testing Requirements – Reviewed proposed change submitted by Kirk McDonald:

Aggregates shall be indicative of innocuous behavior when tested in accordance with ASTM C1260 and shall have expansions of less than 0.10⁽¹⁾ at 16 days. If aggregate has greater than 0.10⁽¹⁾ at 16 days, the cementitious portion of the concrete shall contain 25 percent of Class F fly ash meeting the requirements of Section 201-1.2.5.3 or Class N pozzolan meeting the requirements of Section 201-1.2.5.4.

If the cementitious portion of the concrete contains 25 percent of Class F fly ash meeting the requirements of Section 201-1.2.5.3 or 25 percent of Class N pozzolan meeting the requirements of Section 201-1.2.5.4., then the requirement for ASTM C1260 testing may be waived if approved by the engineer.

1) *California Department of Transportation limits for ASTM C1260 testing results are 0.15 percent expansion in lieu of 0.10 percent expansion. The committee may want to consider this limit in lieu of the 0.10 percent expansion limit.*

Footnote 1) is not intended to be part of the specification, but is included for the committee's discussion.

The question was raised about how this proposed change will fit with the Class Table? Is the additional fly ash an addition beyond the 20% or 15% of the alternate design (85/15)? It was noted that the current spec allows more than 28 days to attain design strength and additional SCM is allowed.

Everyone is urged to review 201-1.1.4.

- e. 244 NS - Pervious Concrete – No report from the Editorial Committee. Submitted to them on June 20.
- f. 235NS – Fiber – Reviewed medication submitted by Jeff Ferris. 201-2.4.4 refers to wire mesh reinforcement needs to be changed to Welded Wire Reinforcement as an editorial change. Ken will provide a clean copy of the changes for voting at the next meeting.
- g. Lightweight Cellular Grouting and Concrete Fill – Proposed language for change/addition to the Green Book was submitted and briefly reviewed. The question was raised about the most appropriate location – pipe or annular space usage. The language is taken from Caltrans. Everyone is requested to review these proposals before the next meeting.
- h. Addition of Type K Cement – The proposed changes need to be reviewed for proprietary requirements and where it can be incorporated into the Green Book. Some change may need to be incorporated the proposed cement changes. A question was raised about the need for Type K in the standard specifications.

IV. New Business

- a. A question was posed by someone outside the committee about which jurisdictions require cement only mixes but will allow fly ash if it is added on top of the specified cement content.

V. Next Meeting – October 10, 2013 at 9:30am at CTS Cement. Due to the Southern California ACI chapter's Pankow Award luncheon being held on November 14, the Concrete Ad-hoc committee meeting will be held from 9:00 AM to 10:30 AM. This will allow committee members attending both events sufficient time to travel to Los Angeles.

VI. Adjournment

Respectfully submitted
David Akers
Secretary

2013 Meeting Dates

~~January 10~~
~~February 14~~
~~March 14~~
~~April 11~~

~~May 9~~
~~June 13~~
~~July 18~~
~~August 8~~

~~September 12~~
~~October 10~~
~~November 14~~