

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

MINUTES
May 8, 2014

Chairman, Ken Sears called the meeting to order at 9:35 am. The meeting was held in the conference room at:

CTS Cement
11065 Knott Avenue, Suite A
Cypress, CA 90630

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

Ken Sears	Headwaters	Renato Kich	National
Steve Martindale	OCPW	Josh Hamilton	WR Grace
Darrell Caddy	BASF	Tom Meyer	Cell-Crete
Matt Jabbari	CTS Cement	Simeon Scovel	Mix On Site
Vince Perez	CTS Cement	Jeff Pollard	Vulcan
Art Bigelow	CTS Cement		

Conference Call Participants

Don Vivant	Sully Miller	Gary Kirk	Cal Portland
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2. The minutes from April were reviewed and approved as submitted with change to:
- a. Our next meeting will be held **Thursday, June 12 May 8, 2014**, at **9:30 am**, at CTS Cement, Cypress.
3. Current Business –
- A. Portland Cement Update, Sears, Soto
 - Submitted for a Change No. on 5/12/14. **(Change 269NS)**. Is currently being reviewed at **ESS**.
 - B. Change No. 244NS - Pervious Concrete, Sears, Soto
 - Is on the agenda for **Surface** to vote on 5/13/14.
 - C. Returned Fresh Concrete (Cal Trans), D. Vivant
 - No new updates.
 - D. Change No. 235NS – Steel Fiber, Soto, Updyke
 - Approved by **ESS** on 4/30/14. Was submitted to **Main** in May.
 - E. Change No. 246NS - ASR Testing Requirements, Group
 - It was suggested during our April meeting to have McDonald review and recommend a proposed direction on the following areas:

- Expansion per ASTM 1260 to be 0.10 percent at 16 days. If aggregate has greater than 0.10 percent expansion at 16 days, or unless otherwise specified by the Engineer, the cementitious portion of the concrete shall contain 25 percent fly ash or approved SCM.
- Allowance of an additional 10% Class F fly ash or approved SCM **on top of** the cementitious contents defined in the Alternate Class Table (which are 15% SCM) when required to mitigate, essentially creating a total of 25% SCM, without reducing the cement content. Vivant to propose language.

F. Cellular Concrete / Annular Fill, Meyer, Scovel

Meyer and Scovel to respond to comments/concerns for Group review and discussion at June meeting.

G. Expansive Cement proposal, Jabbari

During our May meeting Jabbari distributed two proposals which were discussed and the following editorial suggestions were made:

- **201-1.2.5 Shrinkage-Compensating Component**
Shrinkage-compensating mineral additive, as a percent by weight of the total cementitious material, ~~shall~~ may be used to make expansive hydraulic cement, when specified and approved by the Engineer.
The ~~special~~ mix shall conform to ASTM C845 and meet the standard expansion ~~required by requirements in~~ ACI 223.
- **201-1.2.1 Cement**
d) Expansive Hydraulic Cement
When approved for use by the Engineer, expansive hydraulic cement shall meet the requirements of ASTM C845.
- **201-1.1.5 Test for Portland Cement Concrete**
l) Expansive hydraulic cement in Concrete.....ASTM C878

4. New Business – none

5. Our next meeting will be held **Thursday, June 12, 2014**, at **9:30 am**, at CTS Cement, Cypress.

6. Meeting adjourned at 10:35 am.

Submitted By:

Ken Sears
Chair

2014 Meeting Schedule

January 9	February 13	March 13	April 10	May 8	June 12
July 10	August 14	September 11	October 9	November 13	No December Meeting

