

SUBCOMMITTEE ON MATERIALS
Mid-Year Web Meeting
Wednesday, March 18, 2015
2:00 pm – 4:00 pm EST
MINUTES (BLUE FONT)
TECHNICAL SECTION 1a
Soil and Unbound Recycled Materials Test Methods

- I. **Call to Order and Opening Remarks** Chair called meeting to order and welcomed participants.
- II. **Roll Call** See attendance list on page 4. Produced from web ex sign in.
- III. **Approval of Technical Section Minutes**
From Annual Meeting in Minneapolis, MN, July 29, 2014
Approved: NJ motion, ND – second
- IV. **Old Business**
 - A. SOM Ballot Items
 1. Concurrent ballot item to revise T 90 to change the mass of soil ball from 8 g to 10 g. Two “comments” agreeing with the change, and one question: “This test method allows distilled or demineralized water and T 100 is balloting a change to allow distilled or deionized water. Do we want to make these consistent?”
Stewards are Mississippi and North Carolina. No negatives. T 100 ballot discussed below in item 2 was balloted successfully. Chair will ask stewards for input and recommendations to change T90 to allow deionized water as has been done for T100.
 2. Concurrent ballot item to revise T 100 to change language to allow distilled and deionized water. Comment from Rhode Island: The process for deionized water simply removes charged particles. Other dissolved solids, organics and/or bacteria may still remain. The difference in specific gravity between distilled water and deionized water is considered minimal. So based on that, the change would appear to make sense; however, to expand on that point, the difference between deionized water and potable tap water is also minimal. If the accuracy of the test is intended to be absolute, then use the distilled water. If the slight difference between distilled and deionized water is tolerable, then why not allow potable tap water, which is cheaper and more readily available? Comment from Arizona: Is there adequate data to show that the use of de-ionized water does not affect the results? Stewards are Massachusetts and North Carolina. No negatives. Bob will ask stewards to look into the use of potable water.
 3. Concurrent ballot item to revise T 208 to align sample measurement procedure with that in T 296. Comments in agreement. No negatives, no comments.
 4. Concurrent ballot item to revise T 265 to clarify what "constant mass" is. One Negative from South Dakota: Need to clarify what "the mass loss after 1 h of additional drying is less than 0.1 percent." 0.1 percent of what mass? The moisture content or the dry soil mass? Chair thinks that 0.1 percent applies to the mass of the sample being weighed. Is that not clear enough? Stewards are

Oregon and FHWA. SD not present. Chair editorially made clarification in standard referencing 0.1% of the sample mass being weighed. Motion passed to find SD negative vote non-persuasive (SD not present at webinar): motion – NJ, CO – second; will publish as is.

B. TS letter ballots

1. Reconfirm 5-058; All affirmatives, no comments.
2. Reconfirm T-311; Two comments from Ontario: Under Section 4, states that this method is for "granular soil material for use as fill material in subgrade..." - comment that if it is fill, it isn't subgrade. Section 7.4, Note 8 we recommend drying at 40 C maximum for RAP. There was general discussion as to how subgrade is being defined; common definition; subgrade is anything below the pavement structure. General discussion regarding temperature of RAP and if heated too much it sticks together. Standard is reconfirmed and no further issues.

C. Task Force Reports

1. T 146 does not produce a test result and should therefore not be a test, but a practice. This is what we did with T 92 previously. Would the stewards Nevada, FHWA, and Pennsylvania care to develop a rewritten standard? Or can we get the AASHTO DAMS Fund to pay for work on it? NV volunteered to rewrite the standard from test method to a practice; will be a future TS ballot. Darin Tedford (NV) has taken over, they will look at it and prepare a draft before the August meeting so that a TS ballot can be circulated.
2. Work from Task Forces on T 90 and T 100 resulted in SOM ballots, they can be disbanded and their members thanked for their work. Disbanded, Chair recognized Task Force for their contributions.

V. New Business

A. Research Proposals

1. Proposal from TRB Committee on Geosynthetics; not previously endorsed.
2. TS Chair closely associated with TRB Geosynthetics Committee Bob Burnett was just asked to be chair of this TRB committee.

B. AMRL/CCRL Issues: Any to report? No issues that Tracy Barnhart is aware of.

C. NCHRP Issues: Any to report? Amir Hanna gave an update; 122 RNS proposals for 20-7 projects were brought forward, none of which were related to TS 1a. Amir encouraged development of RNS proposals from TS and if anyone needs help on problem statements, he would be happy to assist.

D. Correspondence, calls, meetings/ Presentation by Industry: Nothing new since August. No comments from anyone in the industry.

E. Proposed New Standards None at this time.

F. Proposed New Task Forces Not needed at this time.

G. Standards Requiring Reconfirmation: Done for the year. Nothing due this year, a handful will be due in 2016. See page 5 of minutes for list of standards.

H. SOM Ballot Items (including any ASTM changes)

1. PP59-09 (2013), Coal Combustion Fly Ash for Embankments, is now in its last TS extension. It will have to go to the fall ballot this year for either a one year extension or to go to a full standard. Failing those choices, it expires. Motion? The standard is 6 years old now. Andy asked if it would be helpful if we did a survey on its usage. Fly ash may be deemed hazardous at some point. MDSHA will send chair research study performed by MDSHA on a constructed fly ash embankment and potentially give presentation at August meeting. No action taken by TS at this time. Will take action at the August 2015 meeting, options are extension, take to full standard, or let expire.
2. T 146 rewrite, if it happens in time, would need to go to the fall ballot. If it looks good in August, we can put it on the Fall ballot.

- VI. Open Discussion** Bill Ahearn/VT had a question about the T265 issue discussed earlier. Asked for clarification of which sample masses are being referred to re: the 0.1% difference. Bob Burnett indicated that the reference is to the difference in mass between the last two weighings.
- VII. Adjourn** Meeting adjourned at 2:25 p.m.

Emailed Attendance Received for TS 1a Webinar (3-18-15)

Andy Babish – VA DOT

Tracy Barnhart – AASHTO/AMRL

Bob Burnett – NY DOT

Kaye Chancellor – AL DOT

Chris Clarke – OK DOT

Mladen Gagulic – VT DOT

Amir Hanna - NCHRP

Price Hayes – OK DOT

Caroline Heinen – TX DOT

Dave Horhota – FL DOT

Ron Horner – ND DOT

Henry Lacinak - AASHTO

Ross “Oak” Metcalfe – MT DOT

Bill Schiebel – CO DOT

Eileen Sheehy – NJ DOT

Greg Stellmach – OR DOT

Darin Tedford – NV DOT

John Thomas – OK DOT

Attended	Last Name	First Name	Email Address
Yes	Ahearn	Bill	bill.ahearn@state.vt.us
Yes	babish	charles	andy.babish@vdot.virginia.gov
Yes	Barnhart	Tracy	tbarnhart@amrl.net
Yes	Burnett	Bob	Bob.Burnett@dot.ny.gov
Yes	Davis	Kaye	chancellork@dot.state.al.us
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No	Benson	Michael	michael.benson@arkansashighr
No	Blackburn	Lyndi	blackburnl@dot.state.al.us
No	Felag	Mark	mark.felag@dot.ri.gov
No	Williams	James	jwilliams@mdot.ms.gov

WebEx Attendance List

TS 1a Standards stewardship as of Mar 2015

STANDARD	CATEGORY	DATE FOR RECONFIRM	LATEST ASTM	T.S. MEMBER RESPONSIBILITY	REMARKS
M 318-02(2014)	A	2018		AL, MS	
M 319-02(2014)	A	2018		AL, MD	
R 27-01(2014)	A	2018		NY, RI	
R 51-13	A	2017		DE, MD	
R 52-10(2014)	A	2018		DE, MD	
R 58-11(2015)	A	2019		NV, FHWA, PA	Formerly T-87; revised and changed to a Practice (R).
T 88-13	A	2017		NV, NJ	
T 89-13	A	2017		MS, NC	
T 90-15	A	2019		MS, NC	
T 100-15	B	2019	D 854-02	MA, NC	
T 146-96(2013)	A	2017		NV, FHWA, PA	No test result produced, should change to a practice.
T 176-08(2013)	A	2017		NJ, VT, GA	No Precision & Bias statement.
T 190-14	B	2018	D 2844-07	AL, RI	No Precision & Bias statement.
T 193-13	A	2017		AL, RI	No Precision & Bias statement.
T 194-97(2013)	A	2017		NJ, ND	No Precision & Bias statement.
T 208-15 D 2166-00	B	2019	D 2166-00	MS, TN	No Precision & Bias statement.
T 215-14	A	2018		RI, VT, OR	No Precision & Bias statement.
T 216-07 (2012)	B	2016	D 2435-04	OK, SD	No Precision & Bias statement.
T 217-14	A	2018		MA, FHWA, PA	No Precision & Bias statement.
T220-66(2013)	A	2017		AL, MS	No Precision & Bias statement.
T 226-90(2013) / D 2664-99	B	2017	D 2664-04	AL, CO	
T 233-02(2014)	A	2018		OK, TN	No Precision & Bias statement.
T 236-08(2013) / D 3080-72(2003)	B	2017	D 3080-04	MS, TN	No Precision & Bias statement.
T 258-81(2013)	A	2017		OK, SD	No Precision & Bias statement.
T 265-15	A	2019		MA, FHWA, OR	Added Precision & Bias statement.
T 267-86 (2013)	A	2017		GA, VT, NJ	No Precision & Bias statement.
T 273-86(2013)	A	2017		OK, SD	No Precision & Bias statement.
T 288-12	A	2016		FL, NY	No Precision & Bias statement.
T 289-91(2013)	A	2017		FL, NY	No Precision & Bias statement.
T 290-95(2012)	A	2016		FL, NY	No Precision & Bias statement.
T 291-94(2013)	A	2017		FL, NY	No Precision & Bias statement.
T 296-10 (2014)	A	2018		AL, CO	No Precision & Bias statement.
T 297-94(2012)	C	2016	D 4767-04	AL, CO	No Precision & Bias statement.
T 307-99(2012)	A	2016		FL, OK	No Precision & Bias statement.
T 311-00(2015)	A	2019		NJ, NY	No Precision & Bias statement.
PP 59-09	A	2015		ND, PA	New standard, nominated ND & PA.