

1050404MM9.2 CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS –
COMPLIANCE WITH THE MATERIALS MANUAL
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Brian Price

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Comments: (12-13-19, Industry)

Sub-article 9.2.7.2: Even if the mix does not have Highly Reactive Pozzolans? What will be the requirement, right now it's 29 KOhm-cm

Response: Not applicable.

SMO will collect surface resistivity test data that allows the characterization of all new structural concrete mix designs. If there is no required value by the contract documents, the test result will be used for information purposes only.

Action: No change is needed.

Sub-article 9.2.10.2 first sentence second paragraph: What is the purpose of having the mixer drum design on file? (FDOT does not go inside the drum to measure fins) If we did this would be an insurance issue for the producer.

Response: Disagree.

This is part of the Plant functions as defined in subsection 9.2.10.3 Truck Mixers Description:

“The concrete Plant shall inspect all truck mixers at least once each week for changes due to accumulation of hardened concrete or to wear of blades or chutes. The blades or chutes shall be repaired or replaced as necessary to meet these requirements. Any appreciable accumulation of hardened concrete shall be removed before any mixer may be used”.

Action: No change is needed.

Sub-article 9.2.13.1 (2): Need to define (present), would a non-certified employee be able to batch concrete if the certified batch operator signs the delivery ticket?

Response: Not applicable.

Action: This is not part of the proposed change. This item could be discussed at the CMTAG meeting before proposing a language modification.

Sub-article 9.2.14 (4): Need to remove, aggregate is by certification

Response: Agree.

Action: Item No. 4 will be changed to replace aggregate QC data with Chloride Test data as shown below:

(4) Chloride test data.

Sub-article 9.2.15.2 eighth paragraph: This should be (The SMO will perform testing) DMRO collects the split samples.

Response: Agree.

Action: The paragraph will be changed to read:

In addition to the testing frequency of Table 2, the DMRO will collect the chloride split sample from the Plant once per year for testing at SMO. The DMRO will compare the test results as follows:

Sub-article 9.2.16 (15) (18) (20): If mix design number is on the ticket, why do we need this?

Response: Not applicable.

Action: This is not part of the proposed change. This item could be discussed at the CMTAG meeting before proposing a language modification.

Sub-article 9.2.16 (22) (23): If mix design number is on the ticket, why do we need the admixture manufacturer on the ticket?

Response: Not applicable.

Action: This is not part of the proposed change. This item could be discussed at the CMTAG meeting before proposing a language modification.

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Comments: (12-17-19, Industry)

1. QCP: Back up QC Manager with contact information should be required in case of expiration of qualification, unavailability due to vacation, etc...

Response: Not applicable.

Action: This is not part of the proposed change. This item has been discussed at the CMTAG meeting and will be proposed for the next revision cycle.

2. Volume II of MM 9.2.6.2.1-states all scales at every 3 months. Change all scales to plant scales and portable scales for every 3 months due to constant transportation and use. Scales used for Moistures are to be calibrated once per year or when needed. All scales should be in same place (under 9.2.6.2.1 Volume II).

Response: Not applicable.

Action: This is not part of the proposed change. This item has been discussed at the CMTAG meeting and will be proposed for the next revision cycle.

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Comments: (12-20-19, Industry)

Section 9.2.7.1 Need to consider a change to the wording. For all concrete mixes, cast three – 4 by 8 in. cylinders from the laboratory trial batch or from the field trial batch of at least 3 cubic yards. Test the cylinders at 28-day by an accredited laboratory to conduct Surface Resistivity Test in accordance to AASHTO T 358. Submit the results to the Department for mix design approval. Why would all concrete that is lab or field trial batched be tested for SR when only a few mixes/applications require the SR spec? Mixes without fume or MK or otherwise specifically designed for SR will fall short of the 29 Kohm-cm value.

Response: Response: Disagree, but agree that only a few mixes/applications require the SR spec. SMO will collect surface resistivity test data that allows the characterization of all new structural concrete mix designs. If there is no required value by the contract documents, the test result will be used for information purposes only.

The surface resistivity test may be performed at the FDOT assigned facilities for the concrete producer.

Action: No change is needed.
