

ORIGINATION FORM

Date: 3-2-12
Originator: Timothy J. Ruelke
Contact Information: State Materials Office/352-955-6620

Specification Title: Water for Concrete
Specification Section, Article, or Subarticle Number: 923

Why does the existing language need to be changed? Currently for reclaimed and recycled water, producers and the Department are required to run a chemical test to determine the level of alkalis. Since the implementation of the test in July 2010, there have been no failures with this test and the results have never approached the specified limit. The test is costly and does not provide the Department with any valuable information regarding the acceptability of the water for the intended use.

Summary of the changes:
The proposal is to delete the test from the table.

Are these changes applicable to all Department jobs? If not, what are the restrictions?
These changes are applicable to all Department jobs.

Will these changes result in an increase or decrease in project costs? If yes, what is the estimated change in costs? The changes should decrease project costs on projects with concrete.

With who have you discussed these changes? No other office has been contacted with this change.

What other offices will be impacted by these changes? No other offices will be affected by this change.

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? No.

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? No.

Contact the State Specifications Office for assistance in completing this form.

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Florida Department of Transportation

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ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: March 12, 2012
TO: Specification Review Distribution List
FROM: Duane Brautigam, Director, Office of Design
SUBJECT: Proposed Specification: **9230302 Water for Concrete.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Susan Blazo of the State Materials Office to delete the requirement to test for the level of alkalis.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at SP965DB or duane.brautigam@dot.state.fl.us. Comments received after **April 10, 2012**, may not be considered. Your input is encouraged.

DB/dt
Attachment

9230302
All Jobs

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WATER FOR CONCRETE.

(REV ~~5-20-103-2-12~~) (FA ~~6-9-10~~) (~~1-11~~)

SUBARTICLE 923-3.2 (Page 849) is deleted and the following substituted:

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923-3.2 Recycled and Reclaimed Water: Recycled and reclaimed water shall be tested before use and shall not exceed the limits in Table- 1:

Table 1		
Chemical Test	Test Method	Maximum (%)
Equivalent Alkalis as (Na₂O + 0.658 K₂O)	ASTM D 6919	0.06
Total Solids	AASHTO T 26	5.00
Total Chlorides as Cl ⁻	ASTM D 512	0.031
Total Sulfates as SO ₄	ASTM D 516	0.30

Comment [dt1]: Currently for reclaimed and recycled water, producers and the Department are required to run a chemical test to determine the level of alkalis. Since the implementation of the test in July 2010, there have been no failures with this test and the results have never approached the specified limit. The test is costly and does not provide the Department with any valuable information regarding the acceptability of the water for the intended use.

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