



Reinforcing Steel and Welded Wire Reinforcement (REBAR/WWR)
Technical Committee Meeting Agenda
Working Session #6
Tuesday, May 19, 2015 10:15 AM – 11:45 AM

- 1) 10:15AM-10:25AM: Call to Order and Introductions
- 2) 10:25AM-11:10AM: Update-Program Status
 - *Over 30 states are using the data from the audits.*
 - a) 2015 Participation
 - *22 WWR Audits*
 - *34 REBAR*
 - *We have come a long way from when these programs began.*
 - *As a DOT, please utilize the information that is out there.*
 - b) Audit Changes
 - i) Certificate of Compliance
 - *There will no longer be hard copy Certificates sent to each participant. All Certificates will be available electronically on the NTPEP DataMine website. All audit reports and corresponding documents are in DataMine.*
 - ii) Audit Reports
 - *There has been restructuring of the audit reports to improve consistency and make them easier to read.*
 - iii) Reduction of Area
 - *With smooth wire, not all manufacturers are doing this. This needs to be better incorporated in the split sample comparison report.*
 - *Right now, this is a specification requirement.*
 - *This is only being doing for a few mills.*
 - c) Unannounced Audits
 - *This idea has been discussed since the audits began in 2008 – “How do we incorporate unannounced audits?”*
 - *A procedure will be piloted in July. The mills to be audited then were contacted by AASHTO. According to Kathryn, they were not interested in participating in the pilot project.*
 - *The procedure is in draft stage. The initial goal was to have some preliminary audits this year (July). The initial goal was to implement this procedure in 2016.*
 - *The pilot program would be able to tell us- Is this feasible? What should the timeframe be?*
 - *The TC chairs of the audit programs are in discussion of what changes need to be made.*

- *Sarc will share the concerns he receives from industry with the TC members. They will then review this information and figure out next steps in an attempt to implement this.*
- *Nucor- A lot of effort is put into the audits. Additional personnel can be available when they are aware of when their audit will be.*
- *One aspect of unannounced audits is determining what happens when the QC Manager is not available, if this in fact does happen.*
- *The idea behind the audit is to determine whether or not they have everything in place (QMS) and report this information to the states so they can then review this information and determine what they want to do with this information.*
- d) Samples (Now/Future)
 - *As you are producing material, can you set aside and tag this materials. DOTs can then select the samples from this section of material. This is due to safety and logistical concerns.*
 - *Mill should set aside 20 heats/lots to choose from. The same number of heats/lots (10) and test specimens as in previous years.*
- e) Mills who no longer produce RS
 - *Some mills produce rebar in small enough quantities that sometimes in a year, they produce such a small amount, none is available during the audit.*
 - *There are two mills this year not making rebar anymore, but want to remain NTPEP compliant.*
 - *The work plan needs to be revised to reflect this item and the procedure to follow when this situation does happen.*
- f) SOM Update – A1064 AASHTO Spec development
 - *In SOM TS 4f/4g: ASTM combined 4 of their standards on wire. These standards became ASTM A1064. The problem is all of the ASTM standards went away. The TS took a vote and the members wanted to maintain an equivalency with ASTM A1064. This has been slow going to get moving on doing this. AL took a shot at it. A draft will be sent out to the TS members to review.*

3) 11:10AM-11:15AM: Discuss DataMine 3.0 Items

- a) Progress
 - *The design document has been approved for the eAPP and module.*
- b) Sample Comparison Report
 - *Main intent is to show how the mill and third party lab testing compare, while also verifying the material meets spec. Allows states to input their variations/tolerance for comparison.*
 - *Ed Hughes (IL) reviewed the spreadsheets he compiles for this split sample comparison reports.*
 - *In DataMine 3.0., this spreadsheet will be available and a state can input their ranges to determine whether or not they want to use this product within their state.*
 - *The Auditor will review the test report with Ed Hughes before the comparison report is posted onto the NTPEP DataMine website.*
 - *Test results that do not meet specification will be included on the NTPEP DataMine website and a Corrective Action Report will be included with this test data.*
 - *What are the states looking for from this data?*
 - o *OK looks for red.*

- *MI is currently not using the split-sample portion of the program. They are focused on the audit program (QMS), not necessarily the test results.*

4) 11:15AM-11:30AM: Industry Concerns

- Update from CRSI:
 - *Adoption of 100 ksi bar in ASTM A615; something for this group to look into. What considerations do we need to be aware of to utilize 100 ksi bar in bridges and structures.*
 - *This week at ASTM (which was running concurrently this week) ASTM A1094 is a new spec for continuously galvanized rebar. Allows for a thinner coating in the process.*
 - *CRSI was recently approved as an ANSI recognized organization. Can write internationally recognized standards; have 4 currently written.*
 - *Have 2 certification audit programs: Epoxy coated rebar and fabricators.*

Question put on the floor (by Sarc): how many states utilize 80 grade rebar?

Response from industry: Currently CALTRANS is working toward specifying 80 grade A615 rebar for their seismic construction. There is a lot of interest in seismic zones to move to the 100 ksi.

Baranowski (WV DOT): looking to move to 100 ksi to get longer life out of bridges and structures, but are currently stuck with the AASHTO specified 75 grade.

- *The liaison from SCOBS stated that primarily 60 grade is still being specified, but there is interest in moving to higher grade material.*
- *Anderson (IN) stated that there is a move toward sun-setting 75 grade rebar and moving toward 80 grade.*
- *Black bar fabricator spec would be good.*
- *WRI: partly from Insteel and Welded Wire Institute where AASHTO Audits are discussed. The unannounced audits will be discussed at their meeting in July. There is a great deal of hesitation to participate in this program due to the fact that lower cost is the bottom line being mandated by states and there is uncertainty that this additional cost will hinder this; will there be accountability for manufacturers who are not audited to prevent them from being able to get low bid? Welded wire manufacturers would prefer a 1 time audit rather than annual audits. What is the benefit?*
- *Being accountable to ensure you have the processes to ensure you are in spec are commendable, however this is looked at as an ability for competitors to view the quality control processes. Not from the report being shared since they are password protected, but from a state mentioning off hand how to implement procedures to competitors.*

**In answer to some of these concerns: IL DOT, WV DOT, IA DOT stated they are in the process of changing their involvement of having their own on site audits and moving more to utilizing NTPEP solely (in conjunction with having the QA checks from job sites).*

5) 11:30AM-11:45AM: Open Discussion

- *Sarc: How are states utilizing WWR?*

Anderson (IN): IN DOT is changing to use WWR for bridge decks; there is a caveat for tied wire.

TXdot utilizes it in median barrier, box culverts and bridge decks. OK DOT is getting a new structural engineer and will most likely be ramping up their use and implementation with bridge applications and more.

ME will not utilize WWR in bridge decks as there is too much of an issue with susceptibility to corrosion; use in aprons and sidewalks not on bridges.

- *IL DOT discussed issues with epoxy coated bars on bridges. Passed samples of textured, coated rebar. It is a two coat process. Could potentially help get better adhesion with these bars. IL DOT will be using on some future bridge projects. Met with coaters and can accommodate. Has excellent pull out testing properties; will look into corrosion.*

6) Action Items from meeting



2015 Annual NTPEP Meeting
The Scottsdale Plaza Resort
Scottsdale, Arizona

NTPEP 2015 REBAR-WWR Session Attendance

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