Asphalt Release Agents
Technical Committee Meeting Agenda
Working Session # 11
Wednesday, April 25, 2018 10:00AM – 11:30AM

1) 10:00AM-10:05AM: Call to Order and Introductions

2) 10:05AM-10:10AM: Review of Current Technical Committee Members

3) 10:10AM-10:15AM: Brief summary of the Technical Committee
(for those states not participating in quarterly calls or who are new to NTPEP)

- ARAs developed to provide a barrier on the metal that holds asphalt
- Three performance tests in program
  - Stripping
  - Mixture slide
  - Asphalt performance
- Fingerprinting
  - pH
  - Specific Gravity
  - Flash Point
  - % solids
  - FTIR

4) 10:15AM-10:25AM: Review of Outstanding Action Items
  - Update on Ultrasonic testing
  - Update of States’ usage

- Ultrasonic
  - Been testing products as they come in to see how they match with the stripping test
    - Seen several discrepancies
    - Haven’t had time to rerun the testing yet
    - *AI: Continue to work on reviewing data and rerunning testing to address discrepancies*
  - 20 minute, 1 hour, and 2 hour testing
  - Is it an accuracy or speed increase?
    - Compared very well with 7 day soak
    - Quicker test turnaround
• States’ Usage
  o There is now a tab available in DataMine to see which states are currently indicating that they utilize NTPEP.
  o AI: Look at the list of TC3 courses and consider working on a course directed toward ARA to increase awareness of the program
  o AI: Ryan will show Richard what GTX did with hosting a webinar
  o It was noted that people are interested in the program, but they want to see it more standardized
    ▪ Each state has its own way, and they want to continue that way
    ▪ Discussion between states about this issue

5) 10:25AM-10:35AM: Update - Program Status
  ➢ TP 102 to T 382 (Barry Paye)
  • Due to how well done the standard was in the NTPEP Work Plan, this made it very easy to get through to a full AASHTO Testing Procedure.

6) 10:35AM-10:50AM: Discuss DataMine Items
  ➢ Tab for Timeline – allows all to see the status in real time
  ➢ Test Data Tab - changes for decimal places and add visual ratings area
  • There is an actual timeline tab in the program
    o Richard has been directing his staff to make sure that items are marked on the timelines for products at every stage of completion to keep this current.
      ▪ AI: Industry Rep (Paul Wilson) will relay this information to the industry
  • Appropriate decimal places for pH, Flash Point, Specific Gravity, and % solids still being changed
    o Ryan discussed the process for iENGINEERING to accomplish this
  • No new concerns voiced about DataMine

7) 10:50AM-11:10AM: Industry Concerns
  ➢ Mid-South Laboratories recommendations for testing changes
  ➢ Field spot checks guidance – Paul Wilson
  • The Testing Facility improved the way it was handling photos
    o Had an issue with a light colored release agent, and when they went to take a photo, it cast a shadow on the other jars of material
      ▪ Can’t compare to the Control sample now, so they are rerunning the test
  • Make it easier for industry to understand what they are getting into when they sign up for NTPEP evaluations
    o AI: Look into putting together an FAQ for ARA (All of NTPEP programs)
  • Stripping test
    o Had a complaint about the 4 levels of stripping noted in the Work Plan.
      ▪ 4 jars, one Control and 3 others with mix and product – Look at the color of the material in the jar and assign a level of stripping
    o May have inadvertently got into a pass/fail situation by noting a level of stripping
      o Two states noted they have a level specified, NTPEP is just providing the data. Industry voiced concern with listing a level – it is subjective
      o Illinois noted that other tests (gravimetrics currently being used and a potential quantitative measure of color) can be used in combination to take out the subjectivity

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• Discussion about field spot checks
  o **AI:** Present at webinars, and also add wording to the user guide to help states understand best practices (Trepanier)
• Is there something other than the tester’s eyes to determine color change?
  o Richard asked about a colorimetry test.
  o Could pull a sample of the water and run an FTIR
    ▪ Wouldn’t work where you have the weight gain issues because material is stripping and reattaching
    ▪ Is it quantifiable for the amount of stripping? No
  o Kelly mentioned the use of UV/VIs
    ▪ Illinois has also kept a color comparison
    ▪ **AI:** Task force will be formed to develop an objective measure of the color resulting from the asphalt stripping test. This quantified measure would be used to supplement the visual assessment. Kelly Morse will lead; volunteers include Dawn Bickford from Maine, Jerry Peterson from Texas, and Dawn Richards from Arkansas. Anyone else interested in participating should contact Richard or Kelly.
• Issues with language in the Work Plan
• Asphalt Performance Test – Only allow the patty to sit for 5 minutes, should be 30 mins to allow asphalt to completely cool
  o **AI:** Going to invite the person whom brought these to be in the next quarterly conference call so he can address TC with these issues
• Labeling issues
  o Some third party companies buy manufacturer products and want to resell them under the manufacturer approvals, sometimes with the same naming/labeling. Do states have a problem with this?
    ▪ Nevada would want some sort of certification to prove that it is the same product
    ▪ Illinois does not really allow private labeling – want it direct from the manufacturer
      o It protects the manufacturer and Illinois’ interests because of the risk involved with permitting a relabeler
  o Private labeling addressed in the Work Plan
    ▪ **AI:** Take language that was drafted and make the change in Work Plan, Ryan will send the language out in email to everyone in the committee, can discuss in next quarterly call
      o In emails, make sure to Reply All so everyone can see discussions

8) 11:10AM-11:25AM: Open Discussion
   ➢ New ultrasound test
   ➢ Thin Film Hot Plate Stripping Test Procedure
   ➢ New procedure/process using the FTIR
     (to identify detrimental materials blinded in current FTIR procedure)
   • New Ultrasound Test
     o Discussed earlier
   • Thin Film Hot Plate Stripping
     o Industry believes TC should hold off until more quantitative data is established
       ▪ **AI:** Table this until Paul brings more information to the group
   • FTIR
Industry was performing a wet method, Texas was running it by a dry method, data didn’t match.

- Kelly drafted an ATR-FTIR procedure for several other committees
  - **AI:** Kelly will run ATR-FTIR procedure through Jerry and then it can be brought to the table for inclusion in the Work Plan, also look at getting it onto the ballot for inclusion in the test procedure

- 64E-22
  - Barry discussed having Texas run MSCR
  - **AI:** Jerry will follow up on MSCR

- **AI:** Recommend Kelly’s changes for AASHTO T383, formerly TP 102, to Barry's Committee
  - Barry indicated they are not a required part of the standard

- **AI:** In the ARA Work Plan, replace references to TP102 with T 383.

- Richard is proposing doing testing on Dawn dish soap type products
  - What type of dilution ratio?
  - Is this a concern?
    - Only way to find out if someone is using this, it would be found during field spot checks
    - Industry rep noted that if testing is performed without charging someone, industry would be upset because they are already concerned about pricing
  - Richard retracted his suggestion

- Dawn Bickford (Maine)
  - Should Work Plan be changed to address change from HMIS & NFPA to GHS?
    - **AI:** Richard believes it should be considered
    - **AI:** Richard and Dawn will look at changing the Work Plan to GHS

- Richard would like to look for folks interested in moving into leadership roles
  - Come talk to Richard
  - Can look at doing a mentorship to transition, not something that is typically done in other Technical Committees

9) 11:25AM-11:30AM: Review of Action Items for 2018