Meeting Minutes for NTPEP Asphalt Release Agents

February 25, 2014

Richard Williammee (Chair)
Alan Kegley (Vice Chair)

Attendance:
Otto Heider (Oregon); Chris Harris (Oregon); Russell Dabbs (NTPEP); Katheryn Malusky (NTPEP); Alan Kegley (Mississippi); Alan Trepanier (Illinois); Jerry Peterson (TXDOT); Richard Williammee (TXDOT); Joel Carrizales (TXDOT); Jeff Burton (Zep); Tom Zehr (Illinois); Joe Rechner (Illinois)

*****Action items are in red*****

Item 1 - Work Plan Ballot Results:

Jim Trepanier wanted to know which ballot these results were for, since the wrong Work Plan went out in December. Richard and Katherine verified the correct Work Plan went out in January and we are reviewing the comments for the latest, correct version.

The first comment from Caltrans concerned updating the Work Plan to include the new GHS instead of the MSDS. Richard proposed that we include this in the Work Plan ballot for next year (2015). Jeff Burton clarified that the requirement goes into effect in June 2015. The Work Plan will have to be updated and balloted at the end of 2014 to include the GHS system.

Second question from Caltrans is about whether the jars have to be sealed or if a cardboard cover can be used? All States agree that jars should be sealed.

Question from Caltrans on whether the water temperature can vary from 55 to 85 degrees? Joel Carrizales agreed that more specific wording might eliminate confusion in the Work Plan. Wording will be added to the Work Plan specifying cold tap water.

Section 10.5 will stay as is concerning the simulated texture surface of the metal plate.

Caltrans asks if the metal plate is conditioned to room temperature (and if so, for how long)? Yes. Joel says he allows the plate to cool after washing. Richard will follow up with Caltrans to make sure that they are satisfied with the Committee’s response.

Caltrans asks what the timing interval is between repetitions of pours for the Asphalt Performance test. Joel leaves the plate on the testing bench for about 7 minutes between pours. Richard will work with Caltrans to decide what clarifications need to be added to the Work Plan.

Joel suggested that issues can arise from overspray of the release agent and how far away the spray nozzle should be from the plate during application. He believes this needs clarification in the Work Plan. Richard will work something up and send it to the Committee members for review and discussion.
Jim Trepanier asked about using a softer binder for testing to better represent the types of binders used in the northern states. Otto Heider has no issue since the testing will be more harsh. Jim suggests using a 58-22. The Committee agreed to change the suggested PG64-22 in the balloted Work Plan to a PG58-22 which is still classified as a non-modified binder.

Jim asked if the use of filter paper in Section 10.3.3.11 is appropriate. He indicated that Illinois uses a #200 sieve and questions whether the filter paper will allow the asphalt through the filter. Illinois suggests using a #200 sieve without the filter paper. Richard and Joel agreed and changes will be made to the Work Plan concerning this.

FHWA comments suggest changing Test Standard ASTM D92 to AASHTO T48. For consistency, it will stay the same. Jeff Burton agrees. All States agree.

Per the comment from FHWA, Richard wants to know whether or not the Flash Point should be verified or should we take their word for it. Jerry Peterson says it would not be a problem for TXDOT to run. Jeff Burton says that any flammability issues must be stated in the MSDS, and that it has to be reported. He suggests the possibility of random testing for Flash Point. Richard agrees and proposes that this will be accomplished with random testing. All States agree. Wording will be put into the Work Plan for random testing of the Flash Point test. Jerry says we will have to revisit this when the new OSHA guidelines go into effect.

FHWA comment that Section 10.3.2.1 should be combined with Section 10.4.2.1. and that mix used in Sections 10.3.2.1 and 10.4.2.1 should meet 75% retained strength of AASHTO T-283 before the tests are completed. Richard offered that we leave the same wording in the first 2 Sections to help remind users what materials are to be used and that we should just leave it the way it is. All States agree. As far as running AASHTO T-283, it is recommended that TSR testing is not necessary. All States agree.

**Item 2 - Ultrasonic Test For Stripping:**

Experimental testing is being done in an attempt to reduce testing time by using an ultrasonic test. Joel Carrizales reported on the results of his testing. Per Illinois method, the mix is warmed just enough to break it up, put in a beaker, and placed in a bath. Joel used the temperatures and binder from the Work Plan, and no stripping occurred. Joel thinks the mix should be hot to mimic what happens in the field. Richard suggests that more testing be performed and the results presented at the May meeting. Joel suggests a standard temperature and that it should be hot. Illinois thinks a cooler temperature prevents the mix from sticking to the beaker. Richard stated that the mix is hot when it hits the release agent in the field and that we need to mimic the field condition as close as possible. We will continue to run the test the way that Joel has been running it. All States are fine with how it is being handled.

**Item 3 - Status of acceptance of NTPEP test results:**
Richard sent out emails to 3 Committee members to find out who uses the ARA program for acceptance. Katheryn suggests Russell Dabbs provide Richard with the Data Usage Survey as a good starting point. Richard and Alan will send out more emails and report the responses at the May meeting.

**Item 4 - Vice Chair replacement:**

Alan Kegley volunteered to step down if someone with more experience wanted to take on the role. This issue will be brought up again at the NTPEP meeting in May.