

3360000, Asphalt Rubber Binder
Comments Received from Industry Review

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Comment:

In reviewing the Proposed Specification: 3360000, Asphalt Rubber Binder, a question arose in regard to the following statement on page 5 of 6:

336-5.2.1 Additional Records for Blending at Project Site: Monitor the ground tire rubber content in the asphalt rubber binder on a daily basis based on one of the following methods:

1. The weight of the ground tire rubber used and the gallons of asphalt rubber binder produced. Use the weight per gallon for the various types of asphalt rubber binder shown in Table 336-1 for the calculations.

The problem is that table 336-1 that is below this statement has been eliminated. The new Table 336-1 on page 3 of 6 does not contain any ground rubber tire unit weights.

Response:

The unit weights are included in the table. They are near the bottom, before the notes.

Stefanie Maxwell
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Comments:

336-5.1.1 Action at Project Site: Delete the word “of” in the second paragraph. Do not use of asphalt rubber binder with low viscosity in mix and interlayer construction, or resume blending operations at the project site until the Engineer grants approval.

Response:

Agreed. Change made.

336-5.2.1: Action at Project Site: Delete the word “of” in the second sentence.

Response:

Agreed. Change made.

Add the words “have been” after the words “corrective actions...” in the second sentence. Do not use of asphalt rubber binder with low viscosity in mix and interlayer construction until corrective actions as necessary within the requirements of Table 336-1 have been made, corrective actions have been verified by passing test results, and the Engineer grants approval.

Response:

Agreed that the sentence needs some changes. I added commas around a phrase in the sentence to make it read correctly.

Subarticle “336-5.2 Asphalt Rubber Binder Blending Quality Control Records” should be renumbered to 336-5.3.

Response:

Agreed. Change made.

Subarticle “336-5.2.1 Additional Records for Blending at Project Site” should be renumbered to “336-5.3.1”.

Response:

Agreed. Change made.

Add the word “Record” at the beginning of the first sentence in number one and two.

Add the sentence “Calculate the percentage of rubber used and confirm that the minimum rubber requirements are met” after the first sentence in number one and two.

Response:

Agreed. These changes will be made without changing the intent of the specification. No review for this change is needed.

Add the words “number of” in front of gallons in number one.

Response:

Agreed. Change made.

Add the word “unit” in front of weight in the second sentence of number one. 1. Record the weight of the ground tire rubber used and the number of gallons of asphalt rubber binder produced. Calculate the percentage of rubber used and confirm that the minimum rubber requirements are met. Use the unit weight per gallon for the various types of asphalt rubber binder shown in Table 336-1 for the calculations. 2. Record the weight of the ground tire rubber

used and the number of gallons of asphalt binder used. Calculate the percentage of rubber used and confirm that the minimum rubber requirements are met.

Response:

Agreed. Added the word “unit” before “weight.”

Howard Mosley
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Comment:

336-5.1.1 The first sentence of paragraph 2 needs to be reworded (Do not use (delete 'of') asphalt rubber...). - 336-5.2.1 The second sentence of paragraph 1 needs to be reworded (Do not use (delete 'of') asphalt rubber...).

Response:

Agreed. Changes made.

Christopher Wood
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Comments:

In 336-5.1.1: The use of project site seems redundant.

Response:

Agreed. Some instances have been removed, where overly redundant.

In addition I would change the word “within” to “to meet”.

Response:

Agreed. Change made.

Also I would remove the sentence beginning with “in order to” and ending with “project site”.

Response:

Disagree. Wording provides clarity.

In the second paragraph first sentence I would remove “of” from the “use of asphalt rubber binder...”

Response:

Agreed. Change made.

In 336-5.1.2: First sentence I would change the word “within” to “to meet”.

Response:
Agreed. Change made.

Also I would remove the sentence beginning with “in order to” and ending with “blending operation”.

Response:
Disagree. Wording provides clarity.

In 336-5.2.1: In the second sentence I would remove the word “of”, change the word “within” to “ to meet”.

Response:
Agreed. Changes made.

End the second sentence at “been made.” Start next sentence “ Production or Construction may resume after corrective actions are taken as verified...”

Response:
Though it is a long sentence, it is preferred to keep it together to emphasize that all of the requirements must be met prior to resuming production.

In 336-5.2.2: In the second sentence change the word “within” to “to meet”.

Response:
Agreed. Change made.

Ronda Daniels
Ocala Operations

Comment:
Suggest changing “project Site” To “asphalt plant site”

Response:
Agreed. This change has been made in several places throughout 336.

336-5 Testing and Certification Requirements.
Need to remove lineout. Numbering needs to be re-synchronized and aligned for section 336-5

Response:
Agreed. Changes made.

Comments from Meeting with Industry on 7/23/09

Comment:

Table 336-1. Should a maximum value be given for viscosity because?

Response:

This will be considered for the next round of specification changes.