

**American Railway Engineering and Maintenance of Way Association
Letter Ballot**

Title: Update to SECTION 3.6.4.2 Water-Born Preservatives

1. **Committee and Subcommittee:** Committee 30 – Subcommittee 3
2. **Letter Ballot Number:** 30-22-07
3. **Assignment:** 3.3 Tie Test and the Economics of Service Life
4. **Ballot Item:** In an effort to review and revise Section 3 of Chapter 30 Subcommittee 3 would like to submit this ballot proposing an update to 3.6.4.2 Water-Born Preservatives.
5. **Rationale:** To include fused boron rods that are in use and have not been expressly addressed in this section previously.

Draft Not Yet Approved

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2. **Letter Ballot Number:** 30-22-07
3. **Assignment:** 3.3 Tie Test and the Economics of Service Life
4. **Ballot Item:** In an effort to review and revise Section 3 of Chapter 30 Subcommittee 3 would like to submit this ballot proposing an update to 3.6.4.2 Water-Born Preservatives
5. **Rationale:** Subcommittee 3 believes that the current recommendation needs to be updated to include fused boron rods, as they are currently in use and have not been previously addressed in this standard.

3.6.4.2 Water-Born Preservatives

CURRENT

- a. Water-borne preservatives are used for protection of wood ties as either primary or ancillary protective treatment against the attack of the wood by decay organisms or termites.
- b. Primary water-borne preservatives, CCA-C and ACZA are EPA-registered, restricted use pesticides generally used if a low odor, paintable, leach resistant product is desirable.
- c. Ancillary waterborne preservatives such as Boron compounds (SBX), are EPA-registered, non-restricted use pesticides that do not provide long term protection in exterior applications. Water-borne ancillary wood preservatives shall be used in conjunction with primary wood preservatives, which may include a follow-up application of a primary preservative or added to a primary preservative to enhance protection of wood ties. Refer to AWPA Standard U1 specifications for dual treatment in conjunction with boron compounds.

PROPOSED

- a. Water-borne preservatives are used for protection of wood ties as either primary or ancillary protective treatment against the attack of the wood by decay organisms or termites.
- b. Primary water-borne preservatives, CCA-C and ACZA are EPA-registered, restricted use pesticides

generally used if a low odor, paintable, leach resistant product is desirable.

- c. Ancillary waterborne preservatives such as Boron compounds (SBX), including fused boron rods, are EPA-registered, non-restricted use pesticides that do not provide long term protection in exterior applications. Water-borne ancillary wood preservatives shall be used in conjunction with primary wood preservatives, which may include a follow-up application of a primary preservative or added to a primary preservative to enhance protection of wood ties. Refer to AWWA Standard U1 specifications for dual treatment in conjunction with boron compounds.

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