News from Out West

WESTERN WOOD PRESERVERS INSTITUTE

SHARLA MOFFETT, DIRECTOR OF GOVERNMENT RELATIONS
Western Wood Preservers Institute (WWPI)

- Represents preserved wood producers, preservative & wood suppliers and others serving the industry throughout western North America

- **Mission**
  - Increase awareness of the proper use and disposal of preserved wood products by providing information to:
    - Consumers
    - Specifiers
    - Builders
    - Ports and Marinas
    - Utilities
    - Railways
    - Regulators
    - Legislators
    - Code Officials
BMP Testing on Southern Yellow Pine
Copper Azole BMP Conclusions

- SYP losses higher (retention a factor)
- Almost any heat treatment reduced losses
- Ammonia had a marked effect on losses
48-MONTH REPORT

Performance of Selected Wood-Protection-Coated Lumber Products in Hilo, Hawaii

Submitted to
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Vancouver, Wash.

by
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Figure 7. Example of an Eco Red Shield I sandwich with extensive decay on the outer sample after 30 months of exposure. Interestingly, this sample remains in service and has not continued to decay beyond this stage.

Table 6. Condition of various wood samples exposed for 18 to 48 months as sandalwrs in an above ground test in Hilo, HI

<table>
<thead>
<tr>
<th>Treatment</th>
<th>18 months</th>
<th>24 months</th>
<th>30 months</th>
<th>36 months</th>
<th>42 months</th>
<th>48 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>9.50 (23)</td>
<td>9.75 (2.42)</td>
<td>9.40 (1.30)</td>
<td>9.60 (1.58)</td>
<td>8.65 (2.04)</td>
<td>8.50 (1.74)</td>
</tr>
<tr>
<td>Eco Red Shield I</td>
<td>9.47 (2.27)</td>
<td>9.02 (2.73)</td>
<td>8.90 (3.83)</td>
<td>8.50 (1.03)</td>
<td>7.57 (1.54)</td>
<td>7.07 (2.06)</td>
</tr>
<tr>
<td>BluWood</td>
<td>9.90 (0.18)</td>
<td>9.99 (0.27)</td>
<td>9.90 (0.18)</td>
<td>9.80 (0.20)</td>
<td>9.57 (0.65)</td>
<td>9.40 (0.45)</td>
</tr>
<tr>
<td>Timbersmart</td>
<td>9.90 (0.18)</td>
<td>9.83 (0.33)</td>
<td>9.40 (0.57)</td>
<td>9.50 (0.40)</td>
<td>7.57 (1.50)</td>
<td>7.67 (0.39)</td>
</tr>
<tr>
<td>Copper Azole</td>
<td>10.00 (0.00)</td>
<td>10.00 (0.00)</td>
<td>10.00 (0.00)</td>
<td>10.00 (0.00)</td>
<td>9.93 (0.21)</td>
<td>10.00 (0.00)</td>
</tr>
</tbody>
</table>

*Samples were visually assessed on a scale from 0 (no damage) to 10 (complete failure). Values represent means of 10 samples, while figures in parentheses represent one standard deviation.
ENVIROMENTAL ASSESSMENT MODELLING TOOL

An updated Environmental Assessment Model now provides streamlined data entry, and allows evaluation of structures above and below water built with wood treated with eleven of the most commonly used preservatives. Users can generate a report of the model results to share with project stakeholders, and can even create accounts to save model sessions for later access and revision.

GET STARTED!
New Web Platform for Model

- Easy access and simple user interface
- Ability to save sessions and auto-generate results report
Project Inputs: Select Preservative

- Dynamic results show estimated downstream water and sediment concentrations for relevant contaminants.

Table 7. Dissolved contaminant concentrations leaving the box (µg/L)

- Copper: 0 0 0 8.856 6.278
- Arsenic: 0 0 0 360 190
- Zinc: 0 0 0 63.613 58.088

Table 10. Maximum contaminant sediment concentrations (mg/kg)

- Copper: 0 0 0 0 80
- Arsenic: 0 0 0 0 20
- Zinc: 0 0 0 0 140
Project Inputs: Material and Amount

- Number of pilings in a row, and piling bents
- Hover-over help and more detailed definitions available
Review, Save, and Print Results

- The model shows a “no effect” determination
- *You can use treated wood on your project!*

![Diagram showing environmental assessment tool with normalized benchmarks and no effect on sediment or water quality](image-url)
Prop 65
Clear and Reasonable Warning Regs

- Ballot measure passed by California voters in 1986
- Prop 65 is the most comprehensive consumer right-to-know law in the country.
- Major goal of rulemaking was to reduce blanket Prop 65 statements to “cover everything.”
- Governor Brown wanted to make warnings more meaningful and help consumers make informed buying decisions.
- New safe harbor warning requirements enforceable on August 30, 2018 but companies may comply with updated warning requirements now
- Products manufactured on August 30 or after must comply with new regulations
WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.

*Wood dust has its own dedicated “Methods of Transmission” and “Content” – must be used for safe harbor protection
Treated Wood Waste Disposal

- Bill originally passed in 2004 to address unique issues surrounding disposal of treated wood waste.
- Classifies treated wood waste as non-hazardous waste if it is reported and disposed in a Class II or III composite-lined landfill.
- Most recent statute required a study on compliance and required inspections of 25% of TWW generators.
- Worked with Cal Department of Toxic Substances Control to help inspectors identify TWW.
- Compliance report due to legislature on July 1, 2018.
- Current statute expires in 2020—will begin working on reauthorization at the end of this year.
Projects Using Preserved Wood: Corps of Engineers and National Marine Fisheries Service

- Standard Local Operating Procedures for Endangered Species (SLOPES) provides programmatic biological opinion coverage where ESA-listed species are present in aquatic environments.

- Since 2012 in the Corps Portland District, any in-water or over-water project using preserved wood was, for all intents and purposes, prohibited.

- Two years ago, began working with NMFS on updates to SLOPES to get coverage for preserved wood.

- As a result of our work, there was a narrow inclusion of treated wood in their recent FEMA biological opinion.
New CCA- and ACZA-treated piles wrapped or covered with American Wood Protection Association approved barrier systems.

No unwrapped treated piles are approved by the biological opinion.

No oil-borne preservatives are allowed.

No treated decking or understructure is allowed.

Maintenance inspection program must be implemented to determine when repairs are necessary.

Incremental progress is the name of the game in the West.
Preserved Wood

versatile
preserved wood offers superb design choices for home, commercial or industrial projects

What's New

Online model guides preserved wood selection for aquatic uses

Determining any potential impacts from using preserved wood in aquatic or sensitive environments is now easier with a new, user-friendly Environmental Assessment Model.

The online model streamlines the process of modeling the conditions for a project to estimate the potential migration of preservatives from preserved wood immersed or over water. It is based on pioneering research by Dr. Kenneth Brooks and has been peer reviewed, repeatedly field proven to protect the environment.

The model, which is also available as an Excel spreadsheet, has been used by the National Oceanic and Atmospheric Administration (NOAA) to evaluate potential environmental impacts from the use of preserved wood for aquatic structures.

Specifying Preserved Wood

- Recycling
- Technical Archive

**UPDATED! Treated Wood Guide smartphone app**
App for smartphones and tablets that puts information to the right preserved wood products right in your hand. Available for Apple iOS and Google Android smartphones and tablets and can be downloaded from the respective app stores.

**Preserved Wood: Wood That Lasts**
Full-color overview of Western preserved wood uses, standards, quality assurance, preservatives and environmental benefits.
8 pages, 12/16

**NEW! PreserveSpec - Specifying with AWPA Use Categories**
Detailed information on how to specify Western preserved wood for residential construction with the AWPA Use Categories. Includes current Use Category definitions, service conditions, preservatives, required reagents for specific applications and an infographic for typical residential uses.
4 pages, 09/17

**NEW! Preserved Wood Infographic**
See the typical uses of preserved wood in a residential setting in this infographic. Developed through the AWPA Education Task Group, the infographic provides guidance in selecting the right preserved wood for common uses around the home.
2 pages, 05/17
Treated Wood Guide

Your guide to specifying the right preserved wood

Use Category Specifications
Preservatives FAQ Fire Retardants
Use Tips Quality Video
Environment Best Mgt Model
About the app WWPI Members

Application

Deck Boards, Railing
Joists, Above Ground
Joists (Critical Use), Posts, Ground Contact Conditions
Posts, Severe Decay Risk

Aquatic Model

Online Assessment Model

When using preserved wood products in or over aquatic environments, there is concern about the migration of preservatives from the wood into the environment.

WWPI, working with Oregon State University, has developed an Environmental Assessment Modelling Tool to assist with regulating this issue.