

AMERICAN LUMBER STANDARD COMMITTEE, INCORPORATED®

TREATED WOOD POLICY

November 11, 2011

The Board of Review of the American Lumber Standard Committee, Incorporated® (American Lumber Standard Committee) is authorized to accredit and monitor quality control agencies providing service to treating plants producing preservatively treated forest products.

The purpose of the Board of Review accreditation and monitoring shall be to determine the competency and reliability of, and adequacy of the facilities provided by, those quality control agencies involved in providing services to treating plants producing preservatively treated forest products under specified current edition American Wood Protection Association standards. Those standards are:

1. U1 - Use Category System: User Specification for Treated Wood
Section 1: Introduction to the Use Category System
Section 2: Service Conditions for Use Category Designations (this policy excludes UCFA and UCFB)

Use Category	Service Condition	Use Environment
UC1 Interior/Dry	Interior construction, above ground, dry	Continuously protected from weather or other sources of moisture
UC2 Interior/Damp	Interior construction, above ground, damp	Protected from weather cycles, not exposed to prolonged wetting
UC3A Above Ground Protected	Exterior construction, above ground, coated & rapid water run-off	Exposed to all weather cycles, not exposed to prolonged wetting
UC3B Above Ground Exposed	Exterior construction, above ground, uncoated or poor water run-off	Exposed to all weather cycles including prolonged wetting
UC4A Ground Contact General Use	Ground contact or fresh water, non-critical components	Exposed to all weather cycles, normal exposure conditions
UC4B Ground Contact Heavy Duty	Ground contact or fresh water, critical components or difficult replacement	Exposed to all weather cycles, high decay potential including salt water splash
UC4C Ground Contact Extreme Duty	Ground contact or fresh water, critical structural components	Exposed to all weather cycles, severe environments, extreme decay potential
UC5A Marine Use Northern Waters	Salt or brackish water and adjacent mud zone, northern waters	Continuous marine exposure (salt water)
UC5B Marine Use Central Waters	Salt or brackish water and adjacent mud zone, NJ to GA, south of San Francisco	Continuous marine exposure (salt water)
UC5C Marine Use Southern Waters	Salt or brackish water and adjacent mud zone, south of GA and Gulf Coast, Hawaii and Puerto Rico	Continuous marine exposure (salt water)

Section 3: Guide to Commodity Specifications for Treated Wood End Uses

- AWPA Use Category
- Reference to Commodity Specification
- Special Requirements

Section 4: Standardized Preservatives

- Preservative Abbreviation
- Preservative Standard Reference
- Preservative Name
- Retention Basis
- Preservative Carrier

Section 5: Species and Species Groupings Referenced in AWPA Standards

Section 6: Commodity Specifications:

- A. Sawn Products (includes Permanent Wood Foundations-PWF)
- B. Posts (includes Playground Material and Round Building Poles)
- C. Crossties and Switchties
- D. Poles, Utility
- E. Round Timber Piling
- F. Wood Composites
- G. Marine (Salt Water) Applications
- H. Fire Retardants (excluded from this policy)
- I. Millwork Products
- J. Nonpressure Composites
- K. Barrier Protection Systems

2. T1 - Use Category System: Processing and Treatment Standard

Introduction

Section 1: General Requirements

Section 2: Treatment

Section 3: Results of Treatment

Section 4: Preservatives

Section 5: Quality Control and Inspection

Section 6: Retreatment

Section 7: Drying After Treatment

Section 8: Special Requirements by Commodity

- A. Sawn Products (includes Permanent Wood Foundations-PWF)
- B. Posts (includes Playground Material and Round Building Poles)
- C. Crossties and Switchties
- D. Poles, Utility
- E. Round Timber Piling
- F. Wood Composites
- G. Marine (Salt Water) Applications
- H. Fire Retardant Treated Lumber and Plywood (excluded from this policy)
- I. Millwork Products
- J. Nonpressure Composites
- K. Barrier Protection Systems

3. Preservative and Solvent Standards: All AWPA Preservative and Hydrocarbon Solvent Standards referenced in Section 4, Table 1 (excluding fire retardants) of AWPA Standard U1 shall be applicable to this policy.

4. Analysis Methods:
 - A1 Standard Methods for Analysis of Creosote and Oil-Type Preservatives
 - A2 Standard Methods for Analysis of Waterborne Preservatives
 - A3 Standard Methods for Determining the Penetration of Preservatives
 - A4 Standard Methods for Sampling Wood Preservatives
 - A5 Standard Methods for Analysis of Oil-Borne Preservatives
 - A6 Method for the Determination of Retention of Oil-Type Preservatives from small samples
 - A7 Standard for Wet Ashing Procedures for Preparing Wood for Chemical Analysis
 - A9 Standard Method for Analysis of Treated Wood and Treating Solutions by X-ray Spectroscopy
 - A12 Wood Densities for Preservative Retention Calculations
 - A13 Standard Method of Analysis for Acid Number of Naphthenic Acids in Copper Naphthenate
 - A14 Standard Method for Determination of Water-Extractable Copper in Copper Naphthenate
 - A16 Standard for HPLC Method for Didecyldimethylammonium Chloride Determination in Treated Wood
 - A17 Standard for Determination of Didecyldimethylammonium Chloride in ACQ Solutions
 - A18 Standard for Determination of Quaternary Ammonium Compounds in Wood by 2-Phase Titration
 - A19 Standard Method for Sample Preparation for Determining Penetration of Preservatives in Wood
 - A22 Standard Method for the Quantitative Determination of Creosote in AWPA P3 Creosote-Petroleum Oil Solutions
 - A21 Standard Method for the Analysis of Wood and Wood Treating Solutions by Inductively Coupled Plasma Emission Spectrometry
 - A28 Standard Method for Determination of Propiconazole and Tebuconazole in Wood, in Waterborne Formulations and Treating Solutions by HPLC
 - A30 Standard Method for the Determination of 4,5 Dichloro-2-N-Octyl-4-Isothiazolin-3-One (DCOI) in Wood by High Performance Liquid Chromatography (HPLC)
 - A31 Standard Method for the Analysis of Solutions and Wood For Azoles by Gas Chromatography (GC)
 - A33 Standard Method for the Analysis of N-Cyclohexyldiazoniumdioxide (HDO) in Concentrates and Treating Solutions by Colorimetry
 - A34 Standard Method for the Analysis of N-Cyclohexyldiazoniumdioxide (HDO) in Wood Treated with HDO Containing Solutions
 - A35 The Determination of the Propensity of a Ready-To-Use Oilborne/Oil-Type Wood Preservative Treating Solution to Form Stable Emulsions
 - A36 Standard for Determination of Quaternary Ammonium Compounds in Wood by Potentiometric Back-Titration Using Sodium Lauryl Sulfate and Hyamine 1622
 - A37 Standard for Determination of Quaternary Ammonium Compounds in Wood and Wood Treating Solutions by Potentiometric Titration Using Sodium Tetraphenylborate
 - A40 Standard Methods for Determination of Boron Trioxide in Treating Solutions and Treated Wood by Potentiometric Titration with Sodium Hydroxide
 - A41 Standard Method for Determination of Naphthenic Acid in Copper Naphthenate in Wood and Treating Solutions by Gas Chromatography
 - A43 Standard Method for Analysis of Imidacloprid in Wood and Waterborne Formulations

- A46 Standard Method for Determining MCS Stabilizer Concentration in EL2 Treatment Solution Samples by Turbidity Measurement
- A47 Standard Method for Determination of MCS Stabilizer Concentration in EL2 Treated Wood and Wood Treatment Solutions
- A48 Standard Method for Analysis of Propiconazole, Tebuconazole and Imidacloprid in Treated Wood Products by High Performance Liquid Chromatography with Multi-level Internal Standards
- A49 Standard for Determination of Heartwood in Pines and Douglas-fir
- A50 Standard Method for Determination of Percent Bound Acetyl and Free Acetic Acid in Acetylated Wood by High Performance Liquid Chromatography
- A51 Standard Method for Determining Penetration of Protectant in Acetylated Wood

5. Miscellaneous Standards:

- M2 Standard for Inspection of Treated Timber Products With Preservatives
- M3 Standard Quality Control Procedures for Wood Preserving Plants
- M6 Brands Used on Forest Products
- M18 Standard Quality Control Procedures for Permanent Wood Foundation Materials
- M22 Standard for Third-Party Agency Evaluation of Inspection Data

This accreditation and monitoring by the Board of Review shall in no way indicate adoption of, approval of, or responsibility for such standards, or treating preservatives or treating processes, by the American Lumber Standard Committee or the Board of Review. Nor shall this accreditation and monitoring in any way indicate any endorsement, adoption, approval or responsibility of or for any warranty or other representation by any wood-treating plant or any other person or entity in regard to the treated product, preservative, or any aspect of treating.

The accreditation and monitoring shall be pursuant to regulations adopted therefore by the American Lumber Standard Committee. These regulations shall provide for the determination of agency competency, reliability and adequacy by inspection of agency records, treating plant records, and treated wood products at treating plants and at any other locations including various distribution points and destination points, and by any other appropriate means.

The Board of Review shall have the option to employ any consultants deemed appropriate to carry out this policy, and shall establish or utilize such services or entities, including laboratory services, as shall be deemed appropriate to accomplish the purpose of this policy. Such consultant fees to be for the account of the agency.

Quality control agencies applying to the Board of Review for accreditation and monitoring shall demonstrate to the Board the agency's competency and reliability, and adequacy of facilities, to perform the functions called for under this policy and under the implementing regulations adopted by the American Lumber Standard Committee. Such applicant agencies shall confirm to the Board of Review the agreement of their subscriber treating plants to the requirements of this policy and the implementing regulations adopted by the American Lumber Standard Committee.

Applicant agencies shall agree to pay such charges and fees for this program as are fixed and assessed by the American Lumber Standard Committee.

This program shall not include fire retardant formulations, treatments or products.