Model Specification
for Wolmanized® CCA Poles

1. SCOPE

1.1
This specification applies to material purchased by _____.

1.2
This specification covers the materials and processes to be used in the Wolman@ pressure treatment of pine poles with chromated copper arsenate (CCA).

1.3
The length and class of poles shall be stated in the purchase order or releases.

1.4
The procedures and requirements of AWPA (latest edition) and ANSI 05.1 (latest revision), except as modified herein or in purchase orders shall apply.

2. MATERIAL REQUIREMENTS

2.1 Species
This specification covers pines as listed in ANSI 05.1, and AWPA (latest editions). All poles shall be cut from live dense trees.

2.2 Standards and Procedures
All poles shall conform to the requirements of ANSI 05.1 and AWPA (latest editions) unless noted on the individual purchase order or release.

2.2.1 Framing
The framing shall be in accordance with the purchase order requirements.

2.2.2 Marking
Poles shall be marked per purchase order requirements.

2.2.3 Size
When poles are sized prior to seasoning, a reasonable shrinkage rate should be anticipated (2%) to assure that minimum circumference requirements will. be met when the pole reaches its equilibrium moisture content.

2.3 Storage

2.3.1 Untreated material

All untreated material should be processed in an expedient manner to avoid decay and insect attack. Material should be date controlled during processing to assure an appropriate rotation of stock to avoid unnecessary exposure to decay and/or insects. Materials may be sprayed with a fungicide that will not effect treatability. The fungicide shall contain a coloring agent to indicate that the pole has been sprayed.

2.3.2 Treated Material

Treated material should be stacked to avoid changes in shape. The material should be date processed and rotated to assure a first-in/first-out inventory system. The material should be stored in a manner to assure compliance to all applicable environmental regulations.

2.4 Preservative System

The preservative used shall be "Wolman®" chromated copper arsenate (CCA) type C oxide formulation and shall meet the criteria of AWPA Standard P5 (latest edition). Testing to establish conformity shall be in accordance with AWPA Standards A2 (latest edition).

2.5 Conditioning

All poles are to kiln dried in accordance with ANSI 05.1 (latest edition) standard. The drying process is to be sufficient to assure that moisture is removed for proper treatment and that sterilization of the wood poles occurs. Care should be taken to
include only like size poles in a charge to assure that adequate drying as well as sterilization occurs.

2.5.1 Moisture Content

The moisture content of poles shall be 28% or less as measured in the sapwood zone, two to three inches from the surface.

2.5.2 Moisture Content Determination Cores shall be taken from 20 randomly selected poles within a kiln charge. The sampling zone is the third inch of the pole's sapwood, taken at a point one foot above the ANSI 05.1 ground line. Samples with heartwood shall have it removed before being included in the composite sample. The moisture content shall be determined by an oven dry method such as those in ASTM D4442 (latest edition).

3.0 TREATMENT

Only material that has been inspected, accepted and marked conforming on their tips shall be preservative treated.

3.1 Preservative

All poles shall be treated with Wolman@ CCA in accordance with AWPA Standard C1 and C4 (latest edition), except as modified or supplemented in the purchase order.

4.0 RESULTS OF TREATMENT

4.1 Preservative System Retention

The retention of Wolman® CCA shall be in accordance with AWPA Standard A2 or A9 (latest edition). The required retention is 0.60 Ibs. per cubic foot in the assay zone. This assay will be based on 20 cores taken within one foot of the brand from different poles within one cylinder charge.

4.2 Preservative System Penetration The penetration of CCA shall be in accordance with AWPA C1 and C4.

5.0 FINAL ACCEPTANCE

Poles meeting the above treating requirements shall be hammer marked in the butt to acknowledge their acceptance by the approved quality assurance system. Upon receipt, all poles are to be observed for conformance to purchase order requirements and attention should be paid to the presence of a quality assurance mark in the tip and butt of each pole.