

Treating plant-level QC/QA activities. Plant audits are conducted quarterly; treating audits annually.

Plant Audits- 7 sections, each with 2-10 specific focus points, score 1-5 (unacceptable to excellent)

- Headings:
1. Safety and Environmental
 2. Receiving Yard
 3. Inspection/Processing
 4. Borate Treating
 5. Air-stacking
 6. Treatment/Storage area
 7. Shipping

Treating Audits (dry material basis)- 4 sections, emphasis to observe, acquire and report.

1. Review Air-drying yard and establish moisture content of material and determine "ready to treat" with moisture content worksheet.
2. Gauge calibration/system check of treating vessel and mechanics. Retain annual gauge certification documentation and pressure vessel license.
3. Assay analysis of treated material for verification of preservative penetration and retention. Send core samples to third party for toluene extraction assay (AWPA method A6) with results report added to treating audit report.
4. Audit of the treating report and compare to results of assay. Ensure treating report is accurate by verifying gallons used.

Quality Control/Assurance Program Methodology

1. Inspection
 - a. Grader Reports
 - b. Grader Analysis
 - c. Site/Spot

2. Treatments
 - a. Moisture Content Worksheet
 - b. Boring Inspection
 - c. Treating Report
 - d. Assays

3. Quarterly Plant Audits
 - a. Inspection Worksheet
 - b. Critical Supplier Review

4. Boron Diffusion
 - a. Treat with Reagents
 - b. Formal Report

5. Annual Treating Audit
 - a. 4 Step Worksheet with documentation acquired
 - b. Formal Report

6. Retention Analysis
 - a. Invoice Audit Treating Template
 - b. Comparison of Cylinders, Seasons, Plants
 - c. Formal Report

7. On Track
 - a. Visual Inspect
 - b. Borings
 - c. Assay

8. Lab Work
 - a. Creosote Analysis (COA)