

# **Cranberry Lumber Company**

## **Job Description**

**Purpose:** Controls boiler and dry kilns to dry lumber to specified moisture content.

**Job Duties:**

1. Enters and walks through hot kilns (From 110° to 180° F) to collect samples of lumber to calculate moisture content. Takes 8 sample boards, weighing approximately 5 lbs., and cuts a wafer sample from each board, weighing and recording the weight of each wafer. Then using formulas and baking the wafer sample calculates the moisture content.
2. Determines the drying cycle and sets up the drying schedule, considering factors such as date required, wood species, dimensions, quality of lumber, location and moisture content.
3. Activates dry kiln controls, reads and record temperatures, relative humidity, air flow and ventilation, keeping a very tight control on these 4 specifications for a good drying quality.
4. Checks and collects samples daily for moisture content to the end of the drying cycle. The sets up the kiln for equalization and conditioning as required by the stress tests.
5. Maintains a daily record of kiln charges, dry kiln records of species, dimension and footage dried, including initial and final moisture content, record of wet bulb and dry bulb readings and air flow charts.
6. Changes the kiln controller graphs according to the drying schedule.
7. Operates the boiler control values for steam supply.
8. Regulates and controls the sawdust fuel to boiler.
9. Reads gauges and adjust controls to maintain specified steam pressure, temperature and water level in the boiler.
10. Takes boiler water samples for routine treatment with specified chemicals and control specifications required by the water treatment specialist.
11. Directs and helps boiler attendants in cleaning up and around and under equipment.
12. Performs maintenance on kilns, boiler, pumps, etc. May lift weights in excess of 60 lbs., up to 15 % of the time.

13. Daily walks on the yard, through the dry shed and the plant to check moisture content of the lumber and flooring in process.
14. On call 24 hours a day.
15. Will initiates a preventive maintenance program regularly. Greasing, oiling, cleaning and maintaining for a good efficiency operation.
16. Perform preventive maintenance regularly. Greasing, oiling, cleaning and maintaining for a good efficiency operation of kilns and boiler.
17. Performs and review safety and precautionary measures for a safe boiler operation. (Low water, blowback, make up water, explosions, etc.)
18. Keeps a yard inventory of air dried lumber for settling up kiln charges.
19. Will perform other duties as assigned.

The above description covers the most significant duties performed but does not exclude other occasional work assignments as needed. The inclusion of which would be in conformity with the factor degrees assigned to this job.