Practical Methods in Controlling EMC
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Cersosimo Lumber – Hardwick Kilns

Partial Loading’s
• Spread out loading over two days
• Leave doors open to exhaust moisture quickly
• Hang doors and leave a space to create and chimney
Increase Fan Speed

- Maximize setting on VFD
- Upgrade motor HP/RPM

Methods to Increase Vent Capacity

- Example of vent open at max
• Adapt existing vent controls to open further to increase venting capacity

• By increasing the length of the vent support arm, this will allow the vent to open further without any other adjustments
• You can block open your vents to gain venting capacity and then remove the blocks when you have achieved target moisture content.
Air Drying

- Examples of mixed species and thicknesses
- Helps to reduce MC’s entering the kiln
- Helps to create more consistent MC’s in the load
- Helps give the ability to mix slower drying, lower MC lumber with faster drying high MC lumber

Example of fan shed in use to lower moisture contents before entering the kilns
- Helps to minimize stain
- Helps reduce sticker mark and the risk of sticker stain
- Helps to create better color
Controlling Pre-dryer Air Flows

- Loading only two packs high to gain maximum air flow through the packs

- Will help to minimize sap stain and mold
- Will help to create better color
- Will help to reduce metal mark
• Baffling technique to push air into upper packs
• Added fans to create more air velocity

• Visual example of air flow in a pre-dryer
REMEMBER

IT’S NOT WHAT YOU ASK FOR, IT’S WHAT YOU GET