KILN 2 BEST OPERATING PRACTICES

1. The operator shall minimize over-drying lumber with the following methods.
   a. Set the charge target moisture content relative to the industry lumber grade requirement and/or customer required moisture content at the maximum value possible that will not result in an unacceptable re-dry rate.
   b. Maintain records of the actual charge average moisture content and compute a monthly average. Calculate the monthly over-dry percent and an adjust operations to minimize the amount of over-dry.
   c. Maintain kiln components (baffles, fans, vents, steam heating coils, and kiln controls) to provide reasonably uniform temperatures and air flow throughout the kiln.
   d. Periodically, reverse the air flow direction in the kiln to improve uniform drying and reduce over-drying.
   e. Maintain records of the kiln conditions for each charge dried, including dry bulb temperature, wet bulb temperature, relative humidity and drying time.
2. The operator shall maintain consistent moisture content for the processed lumber charge with the following methods.
   a. Maintaining proper stacking and spacer stick placement to provide adequate air flow throughout the charge.
   b. Properly maintaining critical kiln components such as baffles, fans, vents, steam heating coils and kiln controls to provide reasonably uniform temperatures and air flow throughout the kiln.
   c. Periodically, reversing the air flow direction in the kiln to improve uniform drying and reduce over-drying.
   d. Maintaining records of the piece-to-piece moisture content variability for each charge including the mean and standard deviation of the data. Tracking mean values and standard deviations on a monthly and 12-month rolling basis.
3. The operator shall dry lumber at the minimum temperature by monitoring and recording thermocouple readings at various locations inside the kiln to identify and prevent “hot spots” that are above the maximum target drying temperature of 250° F.
4. The owner or operator may change this implementation plan by submitting a request in accordance with Rule 62-213.410(2), F.A.C. at least 7 days prior to implementing the change. This air construction permit does not need to be revised to change the implementation plan. [Rule 62-4.070(3), F.A.C.]