2014 Dry Kiln Operator’s Short Course

May 13 - 16, 2014
NC State University
Hodges Wood Products Lab
Raleigh, North Carolina

Conducted By
Wood Products Extension
North Carolina Cooperative Extension

Sponsored By:
Southeastern Dry Kiln Club
SEDKC has been educating and improving the lumber drying industry since 1950

The Hodges Wood Products Lab’s dry kiln has a capacity of 1000 board feet and is an updated steam lumber dry kiln with computer controls.

Course Description
This short course will provide practical knowledge about how lumber is effectively kiln dried and scientific background on related wood properties and processes. It will have value for the beginner as well as experienced kiln operators and with supervisors, sales, and marketing personnel. Instruction, by university faculty and industry experts, will be both in the classroom and through hands-on lab exercises using our 1000 BF steam heated dry kiln.

Register Today! Space will be Limited.

Make check payable to:
Southeastern Dry Kiln Club
$275 / person for the Course

Mail check and registration form by May 2, 2014, to:
Phil Mitchell, NC State University
Wood Products Extension
Campus Box 8003
Raleigh, NC 27695-8003

Please duplicate this form for additional registrants.
2014 Dry Kiln Operator’s Short Course

Program Contents

Tuesday, May 13
- Registration and Welcome
- Methods of Determining Moisture Content
- Selecting Kiln Samples
- Wood Structure and Drying
- Shrinkage and Wood Moisture Relations
- Plant Trip

Wednesday, May 14
- Temperature, Relative Humidity, and Equilibrium Moisture Content
- Drying Schedules
- Equalizing and Conditioning
- Kiln Overheat during Conditioning
- Oak Drying
- Plant Trip

Thursday, May 15
- Basic Kiln Features
- Kiln Maintenance for Operators
- Controllers / Recorders Function & Maintenance
- Trouble Shooting Using Kiln Charts

Friday, May 16
- Air Drying Principles
- Lab Evaluation of Stress Relief
- Drying Defects
- New Kiln Features

Registration
Registration and payment will be required by May 2, 2014. The registration fee is $275 with a check made payable to the Southeastern Dry Kiln Club, mailed to:
Phil Mitchell
NC State University
Campus Box 8003
Raleigh, NC 27695-8003.
This cost includes all printed material for the course, refreshments during breaks, and three luncheons on campus.

NC State Wood Products Extension on the Web at: cnr.ncsu.edu/blogs/wpe/

Instructors
- Phil Mitchell
  Extension Specialist,
  Dept. of Forest Biomaterials
  NC State University
- Harry Watt
  Extension Specialist
  Dept. of Forest Biomaterials
  NC State University
- Perry Peralta
  Associate Professor
  Dept. of Forest Biomaterials
  NC State University
- Ilona Peszlen
  Associate Professor
  Dept. of Forest Biomaterials
  NC State University

For More Information
For additional information and questions regarding this popular workshop, contact:
Phil Mitchell
(919) 515 - 5581
phil_mitchell@ncsu.edu

Hodges Wood Products Lab has classroom facilities and steam heated dry kiln.