



ESF Outreach
SUNY College of Environmental Science & Forestry
Syracuse, New York 13210-2784

ESF OUTREACH
SUNY College of Environmental
Science & Forestry

Kiln Drying Workshop: *Drying Quality Lumber for Profit*



January 9 - 12, 2006
SUNY-ESF
Syracuse, NY

Sponsored By

State University of New York
College of Environmental Science and Forestry
Faculty of Construction Management
and Wood Products Engineering
Wood Utilization Service
New York Center for Forestry
Research and Development

In cooperation with

New England Kiln Drying Association

Kiln Drying Workshop

This course will provide practical knowledge about how wood is effectively kiln dried, and scientific background on related wood properties and drying processes. It will have value for novice as well as experienced kiln operators, and sales, purchasing, marketing and manufacturing managers. Instruction, by university professors and various industry experts, will be in the classroom and through hands-on lab exercises using our modern kiln.

Instructors:

Dr. Bill Smith, Wood Products Engineering, SUNY-ESF
Dr. Bob Meyer, Wood Products Engineering, SUNY-ESF
Dean Huber, USDA Forest Service
Peter Garrahan, Forintek, Canada and
Additional Industry Drying Experts

Preliminary Program Topics

Monday, January 9 11:30 AM - 5:00 PM

~ Lunch is on your own ~

11:30-12:30pm Registration in Baker Lobby

Wood Fundamentals, Room 139, Baker Hall

11:30 - 5:00 pm
Wood-Water Relations
Wood Structure and Anatomy
Moisture Determination
Wood Shrinkage
Drying Degrade
Lab exercise – kiln operation

5:00 pm Group Banquet

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Kiln Drying Workshop: Drying Quality Lumber for Profit

Tuesday, January 10 8:15 AM - 5:00 PM

Managing Drying Operations

8:00am Continental breakfast
Managing Drying Operations
Air and Predrying
Kiln Instrumentation
Controlling Kiln Operation
Kiln Schedules; Use and Modification

12:00pm Lunch in Room 184, Baker Hall
Steam Basics and Utilization
Steam Kilns
Dehumidification Kilns
Vacuum Kilns
Lab exercise – kiln operation

5:00pm *Dinner on your own*

Wednesday, January 11 8:15 AM - 5:00 PM

Dry Kiln Operation and Maintenance

8:00am Continental breakfast
Equilization and Conditioning
Kiln Operation and Maintenance
Drying Maple and White Woods
Drying Oak
Air velocity
Kiln Buildings and Maintenance

12:00pm Lunch in Rm 184, Baker Hall
Lumber Stacking
Kiln Loading
Moisture meters
Lab exercise – kiln operation

5:00pm *Dinner on your own*

Thursday, January 12 8:15 - 3:30 PM

Lumber Quality

8:00am Continental breakfast
Maximizing Lumber Quality
Preventing stain and discoloration
Control of warp
Checking, splitting, honeycomb

12:00pm Lunch in Room 184, Baker Hall
Lumber Storage
Redrying Wetted Lumber
Lab exercise - kiln operation
Open discussion, Questions

3:30pm **Course concludes**

Lodging:

A block of rooms is reserved at the Genesee Grande Hotel, 1060 E. Genesee St., Syracuse, NY 13210. To reserve a room at a special rate of \$78 per night, call 315-476-4212 and mention the Kiln Drying workshop.

Rooms are available at the Sheraton University Hotel, 801 University Ave. within walking distance. The room rate is \$ 111 for a single/\$ 121 for a double per night. Call 1-800-395-2105 and ask for the Kiln Drying Workshop rate.

To Register:

By Credit Card ONLINE or simply fill out and mail the attached registration form with your registration fee or fax to (315) 470-6890.

Workshop Fees:

Registrations received by December 27 are \$395. If received after December 27, the fee is \$450. The workshop fee includes dinner on Monday, lunch on Tuesday, Wednesday and Thursday, break refreshments, parking at Irving Garage and drying textbooks and workshop materials.

Refunds:

Participants who wish to cancel must give **written notice** two weeks prior to the event date to receive a refund minus an administrative fee of \$50. Cancellations **cannot** be taken by phone. Substitutions are permissible any time. SUNY-ESF reserves the right to cancel a program in the event of insufficient registrations. A full refund will be given if a program is cancelled due to insufficient registrations.

Questions?

Call ESF Outreach (315) 470-6817 or you may phone Bill Smith at (315) 470-6832. Visit us on the web at www.esf.edu/outreach/pd/2006/kiln/

Hurry! Space is limited!

Registration Form

Kiln Drying Workshop Drying Quality Lumber for Profit

Please **PRINT** clearly

Name _____

Organization _____

Address _____

City _____ State ____ Zip _____

Phone (____) _____ Fax (____) _____

email: _____

Dietary or special needs: _____

Register me for the Kiln Drying Workshop on January 9 -12, 2006.

Fees:

- o **received** by December 27: \$395
- o **received** after December 27: \$450

New! Two ways to Pay:

Pay **ONLINE with Visa or Mastercard** (no American Express) at <http://www.esf.edu/outreach/pd/2006/kiln/>. Your registration will be processed immediately and securely online when you pay online with a credit card.

Mail or fax your registration form to:

ESF Outreach, 219 Bray Hall, SUNY College of Environmental Science & Forestry, Syracuse, NY 13210-2784, FAX: 315-470-6890

Please make checks payable to "SUNY Research Foundation".

We must receive both registration information and payment to confirm a reservation. Registrations received less than 10 days before the scheduled event will not be confirmed. Check your calendar carefully before registering, as we cannot refund cancelled registrations. SUNY ESF reserves the right to cancel a program due to insufficient enrollment and in such cases a full refund will be given.

