



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

esf ESF OUTREACH
SUNY College of Environmental
Science & Forestry

Kiln Drying Workshop: *Drying Quality Lumber for Profit*



January 5 - 8, 2004
SUNY-ESF
Syracuse, New York

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
Dr. Bill Rice, Drying Consultant and Additional
Industry Drying Experts

Preliminary Program Topics

Monday, January 5 11:30 AM - 4:30 PM

~ Lunch is on your own ~

11:30-12:30 a.m. Registration in Baker
Lobby

Wood Fundamentals, Baker Hall

12:30 - 4:30 p.m.

Wood-Water Relations
Wood Structure and Anatomy
Moisture Determination
Drying Degradation
Lab exercise – kiln operation

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Kiln Drying Workshop: Drying Quality Lumber for Profit

5:00 p.m. Dinner provided in Alumni Lounge,
Marshall Hall

Tuesday, January 6 8:30 AM - 4:30 PM Managing Drying Operations

8:15 a.m. Registration and continental
breakfast in Baker Lobby

8:30 a.m. Managing Drying Operations
Air and Predrying
Controlling Kiln Operation
Kiln Schedules

12:00-1:00 Lunch provided in Alumni Lounge
Steam Kilns
Dehumidification Kilns
Vacuum Kilns

Lab exercise – kiln operation

4:30 p.m. Dinner on your own

Wednesday, January 7 8:30 AM - 4:30 PM Dry Kiln Operation and Maintenance

8:15 a.m. Continental breakfast in Baker Lobby
Dry Kiln Operation and Maintenance
Air velocity

Kiln Buildings and Maintenance
12:00-1:00 Lunch provided in Alumni Lounge
Moisture meters
Lab exercise – kiln operation

4:30 p.m. Dinner on your own
Syracuse University vs. St. John's
basketball in the Carrier Dome.

Tickets on your own

Thursday, January 8 8:30 - 3:00 PM Lumber Quality

8:15 a.m. Continental breakfast in Baker Lobby
Lumber Quality
Prevention of stain and discoloration
Control of warp

Checking, splitting, honeycomb
12:00-1:00 Lunch provided in Alumni Lounge
Lab exercise - kiln operation
Open discussion

3:00pm Course concludes

<http://www.esf.edu/outreach/pd/workshops.htm>

Lodging: A block of rooms is available at the Sheraton University Hotel, 801 University Avenue, Syracuse, within walking distance of the college. The special workshop room rate is \$ 105 for a single/ \$ 115 for a double per night. Call the Sheraton at 315-475-3000 and ask for the Kiln Drying Workshop rate when you reserve your room.

A block of rooms is available at the Hawthorn Suites, 416 S. Clinton St., 315-425-0500 at a rate of \$109 per night when you mention the workshop.

To Register: *Please preregister!* Simply fill out and mail the attached registration form with your registration fee. You may register by fax to (315) 470-6890.

Workshop Fees: Registrations postmarked by December 22 are \$395. If postmarked after December 22, the fee is \$450. The workshop fee includes dinner on Monday, lunch on Tuesday, Wednesday and Thursday, refreshments, parking at Irving Garage and workshop materials.

Fees are payable to SUNY Research Foundation.

Federal ID# 14-1368361

VISA or MasterCard accepted.

*American Express is **NOT** accepted.*

Refunds:

Participants who wish to cancel must give **written notice** two weeks prior to the event date (December 24th) to receive a refund minus an administrative fee of \$25.00.

Cancellations will **not** be accepted by phone at any time. Substitutions are permissible at 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? Questions about registration? Call ESF Outreach at (315) 470-6817.

Hurry! Spaces are limited to 24!

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 5-8, 2004. Enclosed is my workshop fee, payable to SUNY-ESF Research Foundation.

Fees:

- o **If postmarked** by December 22: \$395
- o **If postmarked** after December 22: \$450

Credit Card Payment:

Please note: **American Express** is **not** accepted.

o VISA o Mastercard Expiration Date: _____

Account Number: _____

Signature: _____

Mail form to:

ESF Outreach

Attn: Kathy Cole

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Forestry

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FAX: 315-470-6890