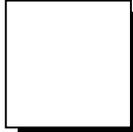


Don't Move Firewood - Protect Our Forests

Participant Guide

Technology Enhanced Learning (TEL) Interactive

April 20, 2010



Welcome

Welcome to this TEL (Technology Enhanced Learning) training event. We are excited that you will be joining us today for *Firewood: A Threat to Forest Resources* and look forward to helping you get as much out of this time as possible.

Your participation is an important part of this class. If you have a question, don't hesitate to ask. There are probably several others in the class who have the same question – you might as well be the one to ask. It is our goal that you leave class today with no unanswered questions.

How to Interact with the Instructor

We encourage you to ask questions and share your comments with the instructor(s) throughout this TELNPS course.

If you were physically in the classroom with the instructor, you would raise your hand to let her/him know you had a question or comment. Then you would wait for the instructor to recognize you and ask for your question. We are all familiar with that “protocol” for asking questions or making comments.

With TELNPS courses, there is also a “protocol” to follow to ensure you can easily ask questions and others can participate as well. It may seem a little strange at first asking a question of a

TV monitor. Remember, it is the instructor you are interacting with and not the monitor. As you ask more questions and participate in more TELNPS courses, you will soon be focusing only on the content of your question and not the equipment you are using to ask it.

As part of the TEL station equipment at your location, there are several push to talk microphones. Depending on the number of students at your location, you may have one directly in front of you or you may be sharing one with other students at your table.

When you have a question, press and hold down the push to talk button maintaining at distance at least 12-18 inches and say,

“Excuse me [instructor’s first name], this is [your first name]

at [your location]. I have a question (or I have a comment).”

Then release the push to talk button. This is important.

Until you release the button, you will not be able to hear the instructor.

The instructor will acknowledge you and then ask for your question or comment. Stating your name and location not only helps the instructor, but also helps other students who are participating at different locations to get to know their classmates.

COURSE OVERVIEW

Why a Firewood: A Threat to Forest Resources program?

Did you know that most firewood contains pests, even if you can't see them with the naked eye? Even a single infested log can devastate an entire forest, making camping, fishing, and other recreational activities impossible, creating safety hazards, contaminating the water supply, and hurting the local economy as well as the ecosystem. What can you do to help prevent the spread of pests, and accommodate your visitors who use firewood? In this program, you will discuss the delicate balance between meeting visitors' need for firewood and ensuring protection of our forested areas for future generations.

Target Audience

Park employees from entry level to Director; partners, including Commercial Services Partners; and all park users, with an emphasis on interpreters, resource management, maintenance, and visitors.

Program Timing

This course will last 2 hours.

Learning Objectives

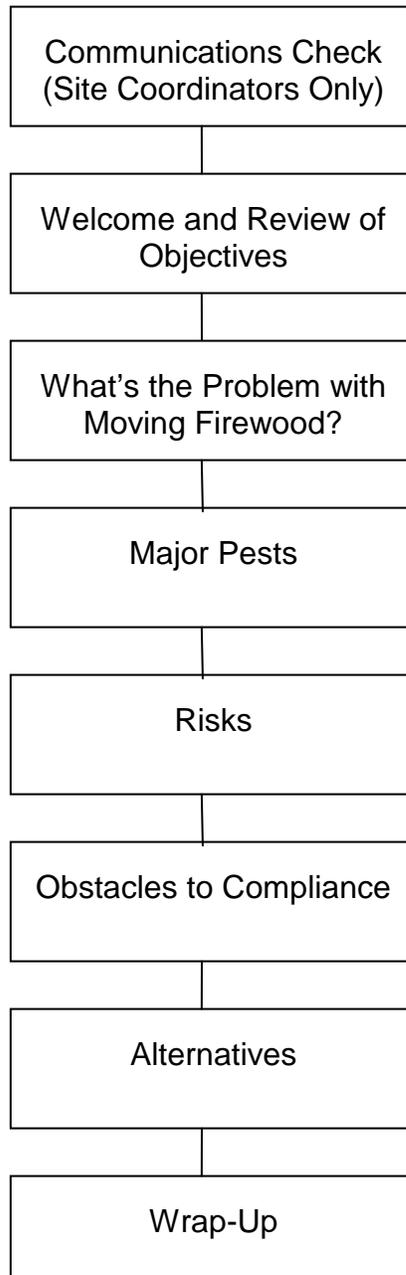
At the end of this TEL program, participants will be able to:

1. Recognize at least one risk posed by firewood pests.
2. Identify ways to prevent pests from being brought in via imported firewood.
3. Identify obstacles to compliance.
4. Develop alternatives to importing firewood, to meet visitors' needs and protect the forest.

Site Point-of-Contact Responsibilities

The TEL Station Site Point-of-Contact must reserve the training room, notify employees that the park will be participating in this TEL training event, make sure the Participant Guide is available to students, set up the TEL Station on the day of the training, ensure students sign in on the attendance roster, and finalize the Class Attendance Roster in DOI Learn.

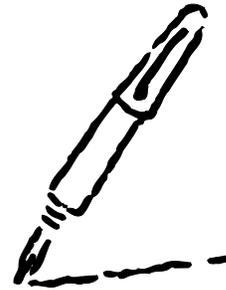
Course Map



What's the Problem with Moving Firewood?

How does moving firewood affect the local area? Generate ideas.

Capture your thoughts here



Capture those you missed

5 MAJOR INVASIVE PESTS

1. Gypsy Moth

Description:

Symptoms:

Habitat:

2. Emerald Ash Borer

Description:

Symptoms:

Habitat:

3. Asian Longhorned Beetle

Description:

Symptoms:

Habitat:

5 MAJOR INVASIVE PESTS, CONT'D.

4. Sudden Oak Death (fungus)

Description:

Symptoms:

Habitat:

5. Gold-spotted Oak Borer

Description:

Symptoms:

Habitat:

RISKS ASSOCIATED WITH INVASIVE PESTS

Recreation

Clean Air and Water

Safety Hazards

- Downed trees
- Fire hazards
-

Economic Loss

Wood and Forest Products

Habitat Destruction

OBSTACLES TO COMPLIANCE

1. Why do visitors prefer to bring their own firewood?

Capture your thoughts.



2. Can you think of reasons why they would continue to do so, even after being informed of the risks?

Capture your thoughts.



ALTERNATIVES

3. What are alternatives to using imported firewood?

Capture your thoughts.



4. Based on your answers to questions 1-3 above, what can you do to ensure that visitors comply?

Capture your thoughts.



To Receive Credit for *Firewood: A Threat to Forest Resources*

Take the **on-line evaluation** at: www.nps.gov/training/tel

- Click on the DOI Learn tab

Go to the link under Class Evaluations for *Don't Move Firewood – Protect Our Forests*

- Please complete the evaluation by **April 30, 2010**.

Also, sign the **Class Attendance Roster**.

Questions After the Course?

Contact:

Wayne Millington
National Park Service
Northeast Regional Integrated Pest Management Coordinator
424 Forest Resources Building
University Park, PA 16802
814-863-8352
814-863-2621 fax

Appendix A: Self-Inspection Checklist

Use this self-inspection checklist when you are moving household goods to help ensure that you are not transporting pests.

Self-Inspection Checklist

(Source: USDA Gypsy Moth Program Aid 1329, 10/2007)

Important! Make sure this checklist goes with your household goods when you move!

Recreational or Camping Items

- | | |
|--|--|
| <input type="checkbox"/> Backpacks | <input type="checkbox"/> Motor homes |
| <input type="checkbox"/> Basketball backboards | <input type="checkbox"/> Recreational vehicles |
| <input type="checkbox"/> Bicycles | <input type="checkbox"/> Snowmobiles |
| <input type="checkbox"/> Boats | <input type="checkbox"/> Sports equipment |
| <input type="checkbox"/> Boat trailers | <input type="checkbox"/> Tarps |
| <input type="checkbox"/> Campers | <input type="checkbox"/> Tents |
| <input type="checkbox"/> Ice chests | <input type="checkbox"/> Waders or boots |
| <input type="checkbox"/> Motorcycles | |

Household Items

- | | |
|---|---|
| <input type="checkbox"/> Air conditioners | <input type="checkbox"/> Refrigerators |
| <input type="checkbox"/> Barrels | <input type="checkbox"/> Sheets of plastic |
| <input type="checkbox"/> Cardboard and wooden boxes | <input type="checkbox"/> Shutters |
| <input type="checkbox"/> Clothesline poles | <input type="checkbox"/> Storage sheds |
| <input type="checkbox"/> Clothespin bags | <input type="checkbox"/> Storm/screen doors and windows |
| <input type="checkbox"/> Campers | <input type="checkbox"/> Tanks for propane and oil |
| <input type="checkbox"/> Empty plant containers | <input type="checkbox"/> Television antennas |
| <input type="checkbox"/> Firewood | <input type="checkbox"/> Trash cans |

- | | |
|---|---|
| <input type="checkbox"/> House plants taken outside in summer | <input type="checkbox"/> Washing machines |
| <input type="checkbox"/> Ladders | <input type="checkbox"/> Water hoses |
| <input type="checkbox"/> Outdoor doormats | <input type="checkbox"/> Weather vanes |
| <input type="checkbox"/> Outdoor thermometers | <input type="checkbox"/> Window awnings |

Building Materials

- | | |
|---|--|
| <input type="checkbox"/> Bricks | <input type="checkbox"/> Sewer pipes |
| <input type="checkbox"/> Cinder blocks | <input type="checkbox"/> Tools and toolboxes |
| <input type="checkbox"/> Cement mixing tubs | <input type="checkbox"/> Water pipes |
| <input type="checkbox"/> Lumber | <input type="checkbox"/> Welding equipment |
| <input type="checkbox"/> Roofing materials | <input type="checkbox"/> Workbenches |

Appendix B: Additional Resources

Don't Move Firewood Website

<http://www.dontmovefirewood.org/>

Don't Move Firewood USFS Website

<http://www.na.fs.fed.us/firewood/>

Don't Move Firewood Posters

<http://www.na.fs.fed.us/firewood/posters/index.shtm>

Sudden Oak Death Pest Alert (USFS)

http://www.na.fs.fed.us/spfo/pubs/pest_al/sodeast/sodeast.htm

Emerald Ash Borer National Web Page (USFS)

<http://www.emeraldashborer.info/>

Emerald Ash Borer Pest Alert

http://www.na.fs.fed.us/spfo/pubs/pest_al/eab/eab.pdf

Gypsy Moth Pest Alert

http://na.fs.fed.us/spfo/pubs/pest_al/gm/gm.htm

Asian Long-Horned Beetle Website (USFS)

<http://www.na.fs.fed.us/fhp/alb/>

Asian Long-Horned Beetle Pest Alert

http://www.na.fs.fed.us/pubs/palerts/alb/alb_pa.pdf

Sirex Woodwasp Pest Alert

http://www.na.fs.fed.us/spfo/pubs/pest_al/sirex_woodwasp/sirex_woodwasp.pdf

Bronze Birch Borer (U OR)

<http://www.na.fs.fed.us/spfo/pubs/fidls/bbb/bbb.pdf>

Goldspotted Oak Borer (UCR)

http://civr.ucr.edu/goldspotted_oak_borer.html

White Blister Rust Pest Alert

<http://www.fs.fed.us/rm/higherelevationwhitepines/Threats/blister-rust-threat>

Pine Pitch Canker Task Force Website

http://frap.cdf.ca.gov/pitch_canker/