

Seminar Series on Wood Preserving Site Remediation

This seminar series is sponsored by the EPA's Office of Research and Development, National Risk Management Research Laboratory, Center for Environmental Research Information in Cincinnati, OH.

Background and Purpose

There are approximately 600 to 700 sites in the United States where wood preserving activities either were or are being conducted. These facilities, reportedly, consume approximately 4.5 million kg of chemical preservatives annually; thereby, producing approximately 5.5 million gallons of wastewater daily. The most commonly used wood preservatives are pentachlorophenol, creosote and copper chromated arsenate. When properly disposed of these chemical reagents and resulting by-products do not pose a significant health risk to humans and/or the environment. However, this has not always been the case. Ineffective waste management practices and/or releases have resulted in significant soil and groundwater contamination. Currently, there are more than 50 sites on the NPL (CERCLA) and many other non-listed sites contaminated with wood preserving chemicals. Although EPA has recognized the extent and significance of the existing problems associated with the wood preserving industry, currently available information and approaches have fallen short of addressing the complexities associated with specific sites and settings. Although many facilities and remedial decision makers consider standard clean-up approaches when encountering similar contamination events, no two sites are identical. Facility location, geology and climate all play a crucial role in characterizing the disposition and mobility of contaminants. Presumptive remedies have been established in treating soil and ground water contaminated with wood preservatives. EPA's Office of Research and Development has evaluated treatment technologies through in-house research and technical assistance programs. Potential remedial options were evaluated for their reliability and cost effectiveness (<\$300 per ton)

EPA will conduct three two-day seminars at specific locations that are central to wood preserving areas. These seminars will include presentations and discussions on the following topics:

- Regulatory overview
- Significance of problem
- Industry perspective
- Soil treatment technologies: *in situ* and *ex situ*
- Ground water treatment technologies

- Case studies
- Panel discussions

Audience

These two-day seminars will be useful to managers and decision makers responsible for the remediation of wood treater sites. Interested individuals might include remedial project managers; on-scene coordinators; industry representatives; federal, state and local regulators; Tribal Nations; engineering consultants and other private sector groups. Seminar participants will include federal EPA project managers, technical experts from industry and academia, experienced remediation vendors and other interested parties.

Seminar Registration

These seminars are being presented free of charge. Attendance is on a first-come, first-served basis and is limited to 150 people per seminar. Due to the limited space, preregistration is required. The attached registration card should be completed and mailed or faxed as soon as possible. You will receive confirmation information, including detailed logistical information and a preliminary agenda within two weeks of registering. If you have any questions, please call Eastern Research Group, Inc.'s (ERG) Registration Office at 617-674-7374.

To register:

Mail the attached registration form to Susan Brager Murphy, ERG, Inc., 110 Hartwell Avenue, Lexington, MA 02173-3134

OR

Fax the attached registration form to Susan Brager Murphy at 617-674-2906

OR

Register via the Internet by visiting CERl's homepage at <http://www.epa.gov/ttnrmrl/ceri.htm> and clicking on "Wood Preserving Seminars"

Hotel Information

A block of rooms has been reserved at each of the hotels listed below on a first-come, first-served basis. The reserved rooms at the hotels will be held until the cutoff dates indicated below. You should make your room reservations directly with the hotel. Reference the EPA Seminar to receive the special room rate.

Seminar Locations

Milwaukee Hilton
509 West Wisconsin Avenue
Milwaukee, WI 53203
414-271-7250

Cutoff date for reservations: June 2

Single: \$70.00; Double: \$90.00 (plus 14.6% tax)

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The Westin Atlanta North at Perimeter
7 Concourse Parkway
Atlanta, GA 30328
770-395-3900
Cutoff date for reservations: June 4
Single/Double: \$96.00 (tax inclusive)

Sheraton Tacoma Hotel
1320 Broadway Plaza
Tacoma, WA 98402
206-572-3200
Cutoff date for reservations: June 17
Government Rate - Single: \$60.00; Double: \$80.00
(plus 10.4% tax)
Group Rate - Single/Double: \$85.00 (plus 10.4% tax)

Preliminary Agenda

Day 1: Technology Review

8:30 AM Welcome/Opening Remarks
8:45 AM Overview
9:30 AM Presumptive Remedies
10:15 AM Break
10:30 AM American Wood Preserving Institute
(AWPI) Current Industry Practice
11:15 AM Bioremediation
12:00 Noon Lunch
1:00 PM Immobilization
1:45 PM Solvent Extraction
2:30 PM Break
2:45 PM Chemical Dechlorination (BCD)
3:30 PM Thermal Desorption
4:15 PM Ground Water
5:00 PM Adjourn

Day 2: Case Studies and Panel Discussion

8:30 AM EPA Site Remediation
9:00 AM State Representative
9:30 AM EPA RPM
10:00 AM Break
10:15 AM Panel Discussion
11:45 AM Closing Remarks
12:00 Noon Adjourn

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Registration Form

Seminar Series on Wood Preserving Site Remediation

Indicate the seminar you wish to attend:

- Milwaukee, WI - June 24-25, 1997
- Atlanta, GA - June 26-27, 1997
- Tacoma, WA - July 8-9, 1997

Please print clearly or attach a business card if mailing in an envelope.

First Name _____

Last Name _____

Title _____

Organization _____

Address (include mail code, if applicable) _____

City/State/Zip Code _____

Telephone _____

Fax _____

E-Mail Address _____

Affiliation:

- U.S. Environmental Protection Agency
- Other Federal Agency
- State or Local Agency
- Academia
- Industry
- Consulting Firm
- Other

Registration Options

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Susan Brager Murphy
Eastern Research Group, Inc.
110 Hartwell Avenue
Lexington, MA 02173-3134

OR

Fax this registration form to Susan Brager Murphy at
617-674-2906

OR

Call ERG's Registration Office at 617-674-7374
between 9:00 AM and 5:00 PM Eastern Standard
Time.

(4)

Place
Stamp
Here

SUSAN BRAGER MURPHY
SEMINAR SERIES ON WOOD PRESERVING SITE
REMEDICATION
EASTERN RESEARCH GROUP, INC.
110 HARTWELL AVENUE
LEXINGTON, MA 02173-3134

United States
Environmental Protection Agency
Center for Environmental Research Information
Cincinnati, OH 45268

Official Business
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