



# Lead Lines

A Newsletter for Certified Lead Remediation Workers

Volume 2 Issue 1

May 2009

## In This Issue:

XRF Shopping Tips	1
Med-Monitoring Retract	2
Pb Hazard Control	
Findin' Dirty Dirt	3
CTED Outreach	4

## Shopping For a New XRF Device?

There's great interest in the new tube-type X-ray Fluorescence (XRF) handheld devices in the LBP Inspector and Risk Assessor community. Wouldn't it be a pleasure to own a machine that could quickly test paint film, contain no substrate correction, and have an unlimited radiation source? Of course it would! Maybe, just maybe, those days are near.

Thanks to David Thulin, Principal Instructor at Cole and Associates, for going on a virtual shopping trip and investigating the pros and cons of current XRF devices. Below is information to consider if you're in the market to update your XRF.

- There's talk of new tube-type XRF's that use energy sources other than gamma radiation to measure lead in materials. They do not contain an isotope, so they don't need to be resourced. Every four to five years some tube-types will need re-tubing which costs around \$4,000. Be sure to discuss the need of tube replacement with the manufacturer before you make a purchase.
- New XRF's range in price from approximately \$17,000-\$35,000 so re-sourcing may be your only practical option. An older XRF that can be re-sourced will cost around \$4000-\$6500 every three to five years.
- On the horizon are new isotope developments. These sources are developed with long-term half-life expectancies. These sources are said to emit less energy and research is underway to make use of the lower power isotope.

## Guest Contributors Welcomed

It's been a pleasure to receive this article from David Thulin. We sometimes get busy, and *Lead Lines* tends to get pushed aside. Last winter was quite busy! If you have a suggestion for an article, or want to submit one, feel free to email us at: [lbpinfo@cted.wa.gov](mailto:lbpinfo@cted.wa.gov)

## Reminders

- Remember to Keep your residential address up-to-date with our office so we can send out renewal notices. All reminders go out six months in advance.
- CTED provides state certification exams the first Wednesday of every month.
- Refresher courses do not require an additional state test.
- Risk Assessors who also hold Inspector certification, need not renew the Inspector certification, just the Risk Assessor certification. This applies to Refreshers only.

- Not all XRF's are certified for use in LBP. Many XRF machines in use today serve other functions, such as alloy testing in manufacturing, metal salvage/recycling, etc. What makes an XRF certifiable as a LBP inspection tool? It's the manufacturer's Performance Characteristic Sheet (PCS). Yes, it's as simple as that! If the manufacturer cannot supply a PCS for the model you are considering, contact them and ask if a model is available for LBP with a PCS.
- Dust and soil sampling XRF's have not been certified for use as a clearance device at this time. But, manufacturers are moving rapidly in this direction. At this time, soil and dust sampling done by XRF has achieved very accurate results. So accurate, that those who've purchased the equipment for soil and dust sampling are using them as onsite screening tools.

## Medical Monitoring, Surveillance, and Recordkeeping Requirements: Retraction

After reviewing the Labor and Industries, WAC 296-155-173, Lead in Construction Rule, we found that what had been taught by our accredited Lead-Based Paint training providers was, and still remains, correct. Medical Recordkeeping of employees must be kept by their employers for thirty (30) years.

In our October 2008 Volume 1, Issue 3 *Lead Lines*, we quoted WAC 296-62

(the Lead in General Industry Standard for Medical Monitoring and Recordkeeping) a forty year period for medical recordkeeping. This regulation governs such industries as electronics, battery, and radiator manufacturing, not construction activities that relate to the Lead in Construction Rule.

Our apologies for the mis-information in our last issue.

## CTED Awarded \$3 Million for Lead Hazard Control Grant #2

HUD recently awarded a \$3 million Lead Hazard Control Grant to CTED. HUD received \$100 million from the American Recovery and Reinvestment Act (ARRA) of 2009. According to the press release, "Nearly \$100 million will be invested in HUD's lead based paint and hazard reduction and remediation activities, including promoting local efforts to eliminate dangerous lead from lower income homes and stimulating private sector investment in lead hazard control."

CTED's second grant pays for testing and remediation of 240 homes over 3 years and includes 33 Lead Safe Work Practices classes and educational outreach to families with children under six residing in them. This grant is structured the same as the first which allows for ease of implementation.

Ten sub grantees have signed up for this grant through CTED, seven recurring from the first grant and three new. The sub grantees are: Blue Mountain Action Council, City of Tacoma, Clark County Department of Community Services, Coastal Community Action Programs, Housing Authority of Thurston County, Kitsap County Consolidated Housing Authority, Opportunities Industrialization Center of Washington, Opportunity Council, Pierce County Department of Community Services,

and Spokane Neighborhood Action Programs.

All of the sub grantees currently run housing repair and rehabilitation programs that require addressing lead-based paint testing and remediation.

CTED's lead staff has been selected to administer the HUD ARRA Lead Hazard program. Bob, Diane, and I look forward to the many challenges ahead in assisting our partner agencies in preventing vulnerable Washington citizens from being harmed by lead. If you have any questions about this exciting grant please call Cynthia Sanderson at (360) 725-2941.



## OSU LBP Training Program Becomes WRLTC

After 15 years of lead training, Oregon State University's Peter Nelson and Anne Kimerling have decided to retire from the terrific work they have done since 1992. We'll miss seeing them at the beautiful Oregon State campus and wish them well in their retirement. With over 5,000 lead students to his credit Patrick J. Lehne has assumed the leadership role of the center. The Oregon-Department of Human Services, Lead Poisoning Prevention Program has accredited Patrick as Program Manager of the Western Regional Lead Training Center (WRLTC). He will continue to be the principle instructor with plans of adding additional instructors as time and schedules require. All curriculum and agendas will remain the same. The fee structure has been reduced due to a lowering of overhead costs. You can register to receive updates on class dates, times and locations at WRLTC's web site ([www.wrltc.com](http://www.wrltc.com)). Firms wishing to hold private or semi private classes in OR. or WA. should contact Patrick Lehne through the web site or at 503.761.2800

You can also find important lead links and Oregon DHS and OSU's Awareness Education Safety: A Guide to Lead Safe Living pamphlet.

One of the benefits of training in Oregon is Washington State's CTED-Lead-Based Paint Program accepts Oregon LBP certifications for initial and refresher course reciprocity which allows for dual state certifications. WRLTC is only ten miles south of downtown Portland. Now, think of the dining and shopping opportunities for your mate while you're in class! Or, maybe you would just love a short road trip. There must be a number of other good reasons to travel to Clackamas for your next certification. The next Inspector Refresher class will be held on May 28th, the Supervisor Refresher on May 29th and a full round of initial classes in June (firm dates to be announced).

## Findin' the Dirty-Dirt

At a recent Lead-Based Paint refresher course, several attendees had questions regarding the Washington State standard for performing lead hazard controls in soils. Everyone seemed familiar with the Washington Administrative Code (WAC) definition of lead in soil ( $\geq 250$  ppm). Others had questions regarding lead in soil and the range of remedial controls for soil. With questions like these, we thought it was important to offer some clarification.

Most attendees thought that soil interim control measures, as outlined in the HUD Guidelines, were permissible in Washington State. Together, we discovered that all in attendance had copies of the Washington State LBP Program regulations adopted on March 24, 2004. **Note:** WAC Chapter 365-230 was revised and updated on **March 13, 2007**, and reflects the Department of Ecology's soil remediation standard. Once the current copy of the regulation was presented, it was understood that interim controls are not permissible in Washington State as stated in WAC 365-230-200 (8)(g)(i)(ii)(iii). Only Lead Abatement measures are permitted in Washington State (visit the CTED website for a copy of the current regulation). If you want to know more about the when, where, and how to sample soil on residential property, please read your HUD Guidelines Chapter 5, page 5-24 and 25. Note that sampling does **not** include every location of bare soil that is found.

Only bare soil areas greater than nine square-feet must be sampled under the HUD/EPA LBP Protocol (note that any small bare soil areas where children play must be sampled).

Soil sampling techniques are provided in the HUD Guidelines at Appendix 13-1,2, and 3.

## Dirty-dirt Done Dirt cheap!



128 10th Avenue SW  
PO Box 42525  
Olympia, WA 98504-2525  
Phone: 360-586-5323  
Fax: 360-586-5880  
E-mail: [LBPIInfo@cted.wa.gov](mailto:LBPIInfo@cted.wa.gov)



## Refresher Courses

Don't wait until the last minute!  
You can take your refresher  
course up to six months before  
your expiration date.

Some training providers have  
websites that can be accessed  
through [www.cted.wa.gov/  
lead](http://www.cted.wa.gov/lead).

Contact the providers directly for  
current class information.

The following training providers  
have notified us of the upcoming  
refresher training.

### Western Regional Lead Training Center 503-761-2800

Inspector - R/A  
May 28  
Worker - Supervisor  
May 29

### Cole and Associates 1-877-455-BEAR

Worker  
June 19

Supervisor  
May 28  
June 5

Risk Assessor  
May 29  
June 30

Inspector  
May 8  
June 29

### Argus-Pacific 206 285-3373

Worker/Supervisor  
May 11  
June 5

Inspector/Risk Assessor  
June 15  
July 21

### RGA 1-888-281-8858

Supervisor  
May 15

### WARNING:

Unlike the asbestos program,  
if your certification lapses,  
you will need to retake the  
initial class to recertify. There  
is no grace period in the lead  
program.