

Objectives

- Health effects of lead exposure
- Conditions that cause lead poisoning
- Purpose of lead sampling
- The difference between:
 - ✓Lead sampling technician (LST)
 - ✓Risk assessor (RA)
 - ✓Lead paint inspector (PI)

Module 1: Background 1

Health Effects of Lead

- Lead is especially hazardous to children:
 - ✓Loss of intelligence
 - ✓Behavioral difficulties
 - ✓Problems in school
- Lead is also a danger to:
 - ✓Pregnant women
 - ✓Other adults
- Lead poisoning does not always have symptoms.

Module 1: Background 2

How Do People Get Lead Poisoned?

- **Dust and soil**
- Paint chips
- Inhalation

Module 1: Background 3

What Conditions Cause Poisoning?

- Lead-based paint:
 - ✓ 1 mg/cm² of lead
 - ✓ 0.5% [5,000 parts per million (ppm)]
- Exposure from:
 - ✓ Lead-contaminated dust
 - ✓ Deteriorated paint
 - ✓ Lead-contaminated soil

Module 1: Background 4

Where are Hazardous Conditions Found?

- Pre-1978 units
- Units renovated or remodeled
- Units in poor condition
- Units with exterior lead-contaminated soil

Module 1: Background 5

A Lead Sampling Technician is...

- A lead sampling technician has successfully completed training to:
 - ✓ perform a visual assessment
 - ✓ collect dust wipe samples

Module 1: Background 6

A Lead Sampling Technician can...

- Perform **clearance**:
 - ✓ after renovation and remodeling work
 - ✓ as required by HUD
 - ✓ but not post-abatement
- May also identify dust and deteriorated paint in other situations such as:
 - ✓ pre-sale home inspections or unit turnover
 - ✓ housing with a pregnant woman or a child under 6 years

Module 1: Background 7

A Lead Sampling Technician is Not...

- A risk assessor:
 - ✓ evaluates dwelling units to identify all potential lead hazards
- A lead paint inspector:
 - ✓ evaluates the painted surfaces in a unit to determine which surfaces have lead-based paint

Module 1: Background 8

Why is Lead Sampling Important?

- Lead sampling tells us:
 - ✓ If lead-contaminated dust is present
 - ✓ If additional cleaning is necessary to protect children from lead poisoning

Module 1: Background 9

Summary: You Now Know

- The health effects of lead poisoning
- The conditions that cause lead poisoning
- The purpose of lead sampling
- The differences between a lead sampling technician, a risk assessor, and a lead paint inspector

Module 1: Background 10

Attachment 1-A

COMPARING LEAD EVALUATION PROFESSIONALS			
	LEAD SAMPLING TECHNICIAN (LST)	RISK ASSESSOR (RA)	LEAD PAINT INSPECTOR (PI)
<i>Qualified to perform the following types of evaluations</i>	<ul style="list-style-type: none"> ▪ Clearance ▪ Other dust wipe sampling 	<ul style="list-style-type: none"> ▪ Risk assessments ▪ Paint inspections ▪ Clearance ▪ Other lead sampling 	<ul style="list-style-type: none"> ▪ Paint inspections ▪ Clearance ▪ Other lead sampling
<i>Is <u>not</u> qualified to perform</i>	<ul style="list-style-type: none"> ▪ Post-abatement clearance ▪ Certain situations as defined in the HUD regulations (See Module 5) 		<ul style="list-style-type: none"> ▪ Risk assessments
<i>Training/Certification required to perform evaluations</i>	<ul style="list-style-type: none"> ▪ 5 hour training 	<ul style="list-style-type: none"> ▪ Certification ▪ 5 days of training 	<ul style="list-style-type: none"> ▪ Certification ▪ 3 days of training
<i>Skills</i>	<p>Perform:</p> <ul style="list-style-type: none"> ▪ Visual assessment ▪ Dust wipe sampling <p>To give a “pass/fail” result.</p>	<p>Perform:</p> <ul style="list-style-type: none"> ▪ Interview of residents ▪ Visual evaluation ▪ Dust wipe sampling ▪ Soil sampling ▪ Paint chip sampling ▪ XRF testing <p>To assess a unit, identify lead hazards, and recommend methods for lead hazard reduction.</p>	<p>Perform:</p> <ul style="list-style-type: none"> ▪ Visual evaluation ▪ Paint chip sampling ▪ Paint testing by XRF <p>Can also perform:</p> <ul style="list-style-type: none"> ▪ Lead sampling (dust wipe, soil) <p>To identify the existence and location of lead-based paint.</p>

Technician Receiving Call



Module 1: Background

1

Gathering Materials



Module 1: Background

2

Visual Assessment



Module 1: Background

3

Dust sampling (first pass)



Module 1: Background

4

Dust sampling (second pass)



Module 1: Background

5

Delivering the Report to Client



Module 1: Background

6