EXAM OSHA AWARENESS SERIES

COURSE 13875 LEAD IN CONSTRUCTION

4 Hour Continuing Education Course



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We would like to thank you for ordering Course 13875 OSHA Awareness-Lead in Construction. This course has been approved for 4 Hours of continuing education by the Wisconsin Department of Safety and Professional Services.

This course has been approved for 17 Licenses/Certifications/Registrations which are administered by the Wisconsin Department of Safety and Professional Services.

aummistered by the wisconsin Departi	ment of Safety and Professional Services.
Automatic Fire Sprinkler Contractors	Journeyman Plumber License
License	
Automatic Fire Sprinkler Contractor-	Master Electrician License
Maintenance Registration	
Boiler-Pressure Vessel Inspector	Master Plumber License
Certification	
Commercial Electrical Inspector	Registered Electrician Registration
Certification	
Commercial Plumbing Inspector	Residential Journeyman Electrician License
Certification	
Dwelling Contractor Qualifier Certification	Residential Master Electrician License
Industrial Journeyman Electrician License	UDC-HVAC Inspector Certification
Journeyman Automatic Fire Sprinkler	UDC-Plumbing Inspector Certification
Fitter License	
Journeyman Electrician License	

Materials included

- 1. REVIEW MATERIALS
- 2. EXAM
- 3. ANSWER SHET

Once you complete the course

Return the bubble answer sheets to our company. Fax: (608) 571-0096

E-mail: michael@uscontractorlicense.com

US Mail: Above address

We will grade your exam, notify you of the results and also notify the State of Wisconsin of your completion of the course.

The State of Wisconsin requires that you attain a passing score of 70%. In the event that you did not attain the required score we will notify you of the incorrect answers. You will need to retake only the incorrect questions and resubmit them to us for grading purposes.

After you are notified that you passed the course

Save the Certificate of Completion from our company for your records. The State of Wisconsin will notify you approximately 30 days prior to the expiration of your License/Certification that you need to renew the license/certification.

Please feel free to contact us with any questions and/or suggestions on improving this course or future educational courses you would like to see us offer.

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OSHA AWARENESS TRAINING – LEAD IN CONSTRUCTION

1. HEALTH HAZARDS OF LEAD EXPOSURE: Lead can damage the
a. kidneysb. hematological and reproductive systemc. cardiovascular and central nervous systemd. All of the above
2. REPRODUCTIVE RISKS: Lead can alter the structure of sperm cells and there is evidence of miscarriage and stillbirth in women exposed to lead or whose partners have been exposed.
a. True b. False
3. PERCENT OF CHILDREN WITH ELEVATED BLOOD LEAD LEVELS BY COUNTY – WISCONISN, 2008: In 2008 Wisconsin had counties with children that had an elevated blood lead levels of 1.8 -2.8% percent.
a. One b. Two c. Three d. Four
4. WORKER EXPOSURE: A significant portion of the lead inhaled or ingested gets into the bloodstream. Once in the bloodstream, lead circulates through the body and Some of this lead is filtered out of the body quickly and excreted, but some remains in the blood and tissues. As exposure continues, the amount stored will increase if the body absorbs more lead than it excretes.
a. stored in organs onlyb. stored in body tissue onlyc. stored in organs and body tissued. is filtered out
5. HOW WIDESPREAD IS LEAD BASED PAINT IN HOUSING? of homes builduring 1940 to 1959 have lead based paint components.
a. 87%b. 69%c. 24%d. None of the above

6. MOST VULNERABLE WORKERS: Workers potentially at risk for lead exposure include those involved in iron work; demolition work; painting; lead-based paint abatement; plumbing; heating and air conditioning maintenance and repair; electrical work; and carpentry, renovation and remodeling work are among those workers most exposed to lead.
a. Plumbersb. Weldersc. Paintersd. All of the above
7. EXPOSURE LIMITS: PEL is the abbreviation for:
a. Permissible Exposure Limitb. Probable Exposure Limitc. Possible Exposure Limitd. None of the above
8. EXPOSURE LIMITS: AL is the abbreviation for:
a. Allowable levelb. Appropriate levelc. Action Leveld. Accountability level
9. WORKER PROTECTION: Because lead is a cumulative and persistent toxic substance and health effects will result from a onetime exposure, employers may use these precautions where feasible to maximize employee exposure to lead.
a. True b. False
10. ELEMENTS OF A COMPLIANCE PROGRAM: For each job where employee exposure is below the PEL, the employer can implement a compliance program to increase employee exposure to stay under the PEL.
a. True b. False
11. INITIAL EMPLOYEE EXPOSURE ASSESSMENT: According to the Wisconsin Dept. of Health Services (DHS 163) "Lead exposure" means a level of lead in the blood of 10 or more micrograms per
 a. 100 milliliters of blood b. 125 milliliters of blood c. 150 milliliters of blood d. 200 milliliters of blood

by an OSHA approved lab and be accurate (to a confidence level of 95 percent), or $6 \mu g/dl$, whichever is greater.
 a. within plus or minus 10 percent b. within plus or minus 15 percent c. within plus or minus 20 percent d. within plus or minus 25 percent
13. TEST RESULTS SHOWING NO OVEREXPOSURES: If the initial assessment indicates that no employee is exposed above the AL, the employer may discontinue monitoring.
a. True b. False
14. EMPLOYEE NOTIFICATION OF MONITORING RESULTS: The employer must notify each employee in writing of employee exposure assessment results within of receiving them.
a. ten working days
b. ten days
c. five working days d. five days
15. MEDICAL SURVEILLANCE: When an employee's airborne exposure is at or above the Alfor more than 30 days in any consecutive 12 months, an immediate medical consultation is required when the employee notifies the employer that he or she:
a. Has developed signs or symptoms commonly associated with lead-related disease;b. Has demonstrated difficulty in breathing during respirator use or a fit test;c. Desires medical advice concerning the effects of past or current lead exposure on the employee's ability to have a healthy child.d. All of the above
16. WHEN MONITORING SHOWS NO EMPLOYEE EXPOSURES ABOVE THE AL: Which renovation activity creates the most airborne leaded dust?
a. Hand Sandingb. Interior Demolitionc. Power Sandingd. All of the above

17. WORKER PROTECTIONS AND BENEFITS: The employer must provide up to 6 months of medical removal protection (MRP) benefits only the first time an employee is removed from lead exposure or medically limited.
a. True b. False
18. RECORDS REQUIREMENTS INVOLVING MEDICAL REMOVAL: In the case of medical removal, the employer's records must include:
a. The worker's name and social security number,b. The date of each occasion that the worker was removed from current exposure to lead and the date when the worker was returned to the former job status,c. A brief explanation of how each removal was or is being accomplished, and a statement indicating whether the reason for the removal was an elevated blood lead leve d. All of the above
19. EMPLOYER REQUIREMENTS: The employer must maintain any employee exposure and medical records to document ongoing employee exposure, medical monitoring, and medical removal of workers. This data provides a baseline to evaluate the employee's health properly.
a. True b. False
20. EMPLOYER REQUIREMENTS RELATED TO OBJECTIVE DATA: The employer must maintain the record of objective data relied on for
a. at least 7 yearsb. at least 15 yearsc. at least 20 yearsd. at least 30 years
21. WHEN CLOSING A BUSINESS: When an employer ceases to do business, the successor employer must receive and retain all required records. If no successor is available, these records must be sent to the Director of NIOSH.
a. True b. False
22. EXHAUST VENTILATION: Equip power tools used to remove lead-based paint with dust collection shrouds or other attachments so that paint is exhausted through a
a. Central Air vacuum systemb. high-efficiency particulate air (HEPA) vacuum systemc. Shop vac systemd. None of the above

hazard pose such as such as gyp	ed by lead-based paint is to _(1) or flexible wal	FION: One way to reduce the lead a encapsulate it with a material that lall coverings. Another option is to enaneling, and aluminum,(2)_asing(3)	bonds to the surface, nclose it using systems
	1	2	3
a.	acrylic and epoxy coating	vinyl tile or linoleum	carpeting
b.	vinyl tile or linoleum	fiber cement siding	6 mil plastic
c.	vinyl or wood exterior siding	or Tyvek	fiber cement
d.	acrylic or epoxy coating	vinyl or wood exterior siding	vinyl tile or linoleum
a. T. b. F. 25. PROCE based paints should have Equip heat the heated v. a. C. b. R. c. C. C.	Wisconsin. rue alse SS OR EQUIPMENT MO s in, be sure it e electronically controlled to guns with various nozzles to	DIFICATION: When using a heat is of the flameless electrical soften emperature settings to allow usage to cover all common applications arounds.	gun to remove lead- ner type. Heat guns below 700 degrees F.
		An effective housekeeping program ead dust and lead-containing debris	
a. T. b. F.			
		Put all lead-containing debris and c Label bags and containers as	
b. cl c. Se	ealed, impermeable bags or losed impermeable containe ealed, impermeable bags or lone of the above		ers

28. PERSONAL HYGIENE PRACTICES: Provide and ensure that workers washing facilities.
a. are aware ofb. know aboutc. are informed about thed. use
29. CHANGE AREAS: The employer provide a clean change area for employees whose airborne exposure to lead is above the PEL. The area be equipped with storage facilities for street clothes and a separate area with facilities for the removal and storage of lead-contaminated protective work clothing and equipment.
a. must/must b. may / can c. should/ may d. can/ may
30. PERSONAL PRACTICES: In all areas where employees are exposed to lead above the, employees must observe the prohibition on the presence and consumption or use o food, beverages, tobacco products, and cosmetics.
a. AL b. PEL c. MSDS d. None of the above
31. END-OF-DAY PROCEDURES: Employers must ensure that workers who are exposed to lead above the permissible exposure limit follow these procedures at the end of their workday:
a. Place contaminated clothes, including work shoes and personal protective equipment to be cleaned, laundered, or disposed of, in a properly labeled closed container.b. Take a shower and wash their hair. Where showers are not provided, employees must wash their hands and face at the end of the work shift.c. Change into street clothes in clean change areas.d. All of the above
32. EMPLOYER REQUIREMENTS: Employers must provide workers who are exposed to lead above the PEL or for whom the possibility of skin or eye irritation exists with clean, dry protective work clothing and equipment that are appropriate for the hazard. Employers must to employees.
a. provide these items at no costb. offer these items at a reduced ratec. provide a vendor named. None of the above

33. PREVENTING HEAT STRESS: When heat stress is a concern, the employer should choose lighter, less insulating protective clothing over heavier clothing, as long as it provides adequate protection. Other measures the employer take include: discussing the possibility of heat stress and its signs and symptoms with all workers; using appropriate work/rest regimens; and providing heat stress monitoring that includes measuring employees' heart rates, body temperatures, and weight loss.
a. shall b. will c. can d. must
34. RESPIRATORY PROTECTION: Respirators also must be provided upon employee request. A requested respirator is included as a requirement to provide increased protection for those employees who wish to reduce their lead burden below what is required by the standard, particularly if they intend to have children in the near future. In addition, respirators must be used when performing previously indicated high exposure or "trigger" tasks, before completion of the initial assessment.
a. True b. False
35. PROVIDING ADEQUATE RESPIRATORY PROTECTION: Before any employee first starts wearing a respirator in the work environment, the employer must perform a fit test. For all employees wearingtight-fitting face piece respirators, the employer must perform either qualitative or quantitative fit tests using an OSHA-accepted fit testing protocol.
a. only negative pressureb. only positive pressurec. negative or positive pressured. None of the above
36. SELECTING A RESPIRATOR: A NIOSH-certified respirator may be selected and may be used in compliance with the conditions of its certification.
a. True b. False
37. WARNING SIGNS: Employers are required to post warning signs in each work area where employee exposure to lead is above the PEL:
a. Warning / Lead Work Areab. Poison / No Smoking or Eatingc. Both a. and b. are needed

d. No special signs are needed

38. CONSULTATION ASSISTANCE: Consultation assistance is available on request to
employers who want help establishing and maintaining a safe and healthful workplace. Funded
largely by OSHA, the service is provided to small employers and is delivered by
state authorities through professional safety and health consultants.
a. for a minimal fee
b. at no cost
c. at a \$25.00 per hour fee
d. in conjunction with a larger employer
d. In conjunction with a larger employer
39. COOPERATIVE PARTNERSHIPS: OSHA has learned firsthand that voluntary, cooperative partnerships with employers, employees, and unions can be a useful alternative to traditional enforcement and an way to reduce worker deaths, injuries, and illnesses. This is especially true when a partnership leads to the development and implementation of a comprehensive workplace safety and health management system.
a. effective
b. forceful
c. weak
d. unproductive
40. BLOOD LEAD LABORATORIES – WISCONSIN (AS OF 2/17/2012): Monitoring for lead and zinc protoporphyrin (or free erythrocyte protoporphyrin) in blood. The employer is required to have these analyses performed by a laboratory that meets accuracy requirements specified by OSHA.
a. must be provided
b. can be provided

- c. should be provided d. may be provided