



M A R Y L A N D

Department of Labor, Licensing, & Regulation

OCCUPATIONAL HEALTH STANDARD

Lead in Construction

The Federal Lead Exposure in Construction Standard, 29 CFR 1926.62 with Maryland Amendments, requires that before beginning any construction work which may result in lead exposure, an employer must determine if any employee may be exposed to lead at or above the action level (30 ug/m³). This determination must be in writing and be posted. If any employee may be exposed at or above the action level, the employer must conduct air sampling at the start of the operation that may involve lead exposure. The major requirements of the Lead in Construction Standard are detailed below.

Any Airborne Lead	At or Above Action Level (30 ug/m ³)	Above PEL (50 ug/m ³)	
X X	X X X X	X X X X	<p>CONDUCT EXPOSURE MONITORING</p> <ul style="list-style-type: none"> - at start of job - every six months - every quarter - when job change may result in new or additional exposure - if employee complains of symptoms related to lead exposure <p><i>Whenever exposure monitoring is performed, employee must be provided with written notice of results.</i></p>
		X	USE FEASIBLE ENGINEERING AND WORK PRACTICE CONTROLS
		X	DEVELOP WRITTEN COMPLIANCE PROGRAM AND REVIEW EVERY SIX MONTHS
		X X X X	<p>PROVIDE RESPIRATORY PROTECTION</p> <ul style="list-style-type: none"> - as interim measure - to supplement engineering and work practice controls - when controls not feasible - upon employee request <p><i>When respirators are provided, a respiratory protection program in accordance with 29 CFR 1910.134 must be established and fit testing must be conducted. A medical examination must be provided if an employee exhibits difficulty breathing during respirator fit test or use. An employer must provide a powered air-purifying respirator at the employee's request.</i></p>
		X X X X	<p>PROVIDE APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT</p> <ul style="list-style-type: none"> - clean clothing weekly (daily if exposure above 200 ug/m³) - assure protective clothing removed at end of shift - assure appropriate laundering or disposal - clean and repair equipment <p><i>Protective clothing and equipment must also be provided when the possibility of skin or eye irritation exists.</i></p>

MOSH Training & Education ■ 312 Marshall Avenue, Suite 600 ■ Laurel, MD 20707

Telephone: (410) 880-4970 or (301) 483-8406 ■ Fax: (301) 483-8332

Any Airborne Lead	At or Above Action Level (30 ug/m ³)	Above PEL (50 ug/m ³)	
X X X X	X X X X	X X X X	MAINTAIN ALL SURFACES AS FREE OF LEAD AS POSSIBLE - prohibit cleaning by compressed air - use vacuuming or other equally effective cleaning methods - use wet methods when vacuuming not feasible
		X X X X	PROHIBIT EATING, DRINKING AND SMOKING IN JOB AREA - provide eating and drinking area - assure employees wash prior to eating or drinking - assure employees do not enter eating area in lead contaminated clothing
		X X	PROVIDE CHANGE AREAS AND STORAGE - assure employees do not leave job area in contaminated clothes
X	X	X X	PROVIDE WASH FACILITIES (29 CFR 1926.51 (f)) - be sure employees wash at end of shift
X	X	X	PROVIDE LAVATORY FACILITIES (29 CFR 1926.51 (C))
	X X X X	X X X X	INSTITUTE MEDICAL SURVEILLANCE PROGRAM Biological monitoring (Blood Lead + ZPP or FEP Levels) - prior to assignment - every two months for first six months of exposure - written notification of results to employee <i>Medical examination must be provided when exposure is above action level and employee has developed signs or symptoms associated with lead intoxication, desires advice on effects of exposure on ability to procreate, or employee's blood lead level is at or above 40 ug/100 g. A medical examination must also be provided when an employee exhibits difficulty breathing during respirator fit test or use.</i>
	X X	X X	PROVIDE MEDICAL REMOVAL AND PROTECTION - if blood lead level is at or above 50 ug/100g - if indicated by a final medical determination
X X	X X	X X	INFORM EMPLOYEES OF STANDARD - make available a copy of standard
	X	X	PROVIDE TRAINING PROGRAM <i>Training must also be made available if the possibility of skin or eye irritation exists.</i>
		X	POST WARNING SIGNS
X X	X X X X	X X X X	MAINTAIN RECORDS OF - initial determination - exposure monitoring - medical surveillance - medical removal

This chart is intended to summarize the Federal Lead Exposure in Construction Standard, 29 CFR 1926.62 with Maryland Amendments, and is not to be interpreted as the complete requirements under the standard. For a complete copy of the standard contact MOSH Training & Education at (410) 880-4970 or (301) 483-8406.