

STRUCTURE CONSTRUCTION - LEAD COMPLIANCE PROGRAM MATRIX

This attachment illustrates that Structure Construction staff exposed to lead containing materials, must follow the work procedures, decontamination procedures, and personal protective requirements listed in this matrix.

| TASK | Expected Exposure | Respirator | Personal Protective Equipment | Decontamination Procedures | Administrative Requirements | Work Procedures |
|--|---|---|--|--|---|--|
| Bridge steel/paint inspection, area measure, entering cleaned containment area | Low Exposure: <30 micrograms/ cubic meter | Half Face HEPA when entering containment area | Coveralls, gloves, safety glasses | Remove coveralls, wash face & hands before eating or smoking | Annual training, Quarterly inspection, Annual blood test BLL/ZPP | Keep paint chips off street clothes, minimize dust, HEPA vac or wash coveralls |
| Scaffold rigging, bridge maintenance with minimal paint disturbance | Very Low | None required if no airborne exposure | Coveralls, gloves, safety glasses | Remove coveralls, wash face & hands before eating or smoking | Annual training, Quarterly inspection | Keep paint chips off street clothes, minimize dust, HEPA vac or wash coveralls |
| Painting | Low | Not required for lead - but use is required for paint | Coveralls, gloves, safety glasses | Remove coveralls, wash face & hands before eating or smoking | Annual training, Quarterly inspection | Keep paint chips off street clothes, minimize dust |
| Cleanup after blasting, entering dirty containment area, containment removal | Low | Half Face HEPA, Full Face HEPA | Coveralls, boots, gloves, safety glasses | HEPA vac at site, remove coveralls, wash face & hands | Annual blood test, 6 mos. fit test, annual training/ quarterly inspection | Wet or HEPA vac cleanup, NO DRY SWEEP, clean containment before removal |
| Vehicle & building lead dust/paint chip decontamination | Low | HEPA mask, Half Face HEPA | Coveralls, boots, gloves, safety glasses | HEPA vac at site, remove coveralls, wash face & hands | Annual blood test, 6 mos. fit test, annual training/ quarterly inspection | Minimize dust, HEPA vac or wet wipe cleanup |
| Manual surface prep (hand scraping & brushing), drilling painted surfaces | Low | Half Face HEPA | Coveralls, safety glasses, gloves, boots | HEPA vac at site, remove coveralls, wash face & hands | Annual blood test, 6 mos. fit test, annual training/ quarterly inspection | Minimize dust, contain waste, HEPA vac or wet cleanup |
| Pressure washing | Low | Half Face HEPA Full Face HEPA | Rain suit, rubber boots, face shield w/safety glasses or goggles | Wash off at site, remove rain suit, wash hands & face | Annual blood test, 6 mos. fit test, annual training/ quarterly inspection | Contain chips & water, wash down, HEPA vac or wet cleanup |

Note: HEPA = High Efficiency Particulate Air, BLL = Blood Lead Level, ZPP = zinc protoporphyrin