

Critical Utilities Infrastructure Revitalization

Control of Lead Paint, Asbestos and Silica Dust Hazards

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Outline

- Lead Paint
- Asbestos
- Silica Dust

Lead Paint

Lead Paint

All painted surfaces interior and exterior have lead paint coatings

Areas of concern are:

- Interior and exterior surfaces of the corrugated metal roof
- Walls and doors
- Scientific equipment
- Horizontal surfaces (lead-containing dust)

Lead Paint

All painted surfaces interior and exterior have lead paint coatings

Areas of concern are:

- Walking on the roof cracks the paint on both sides of the roofing structure.
- Paint must be removed prior to cutting, grinding, sawing or using hand tools that vibrate.
- All painted metal waste is Non-RCRA waste that will be stabilized prior to disposal.

Work Practices:

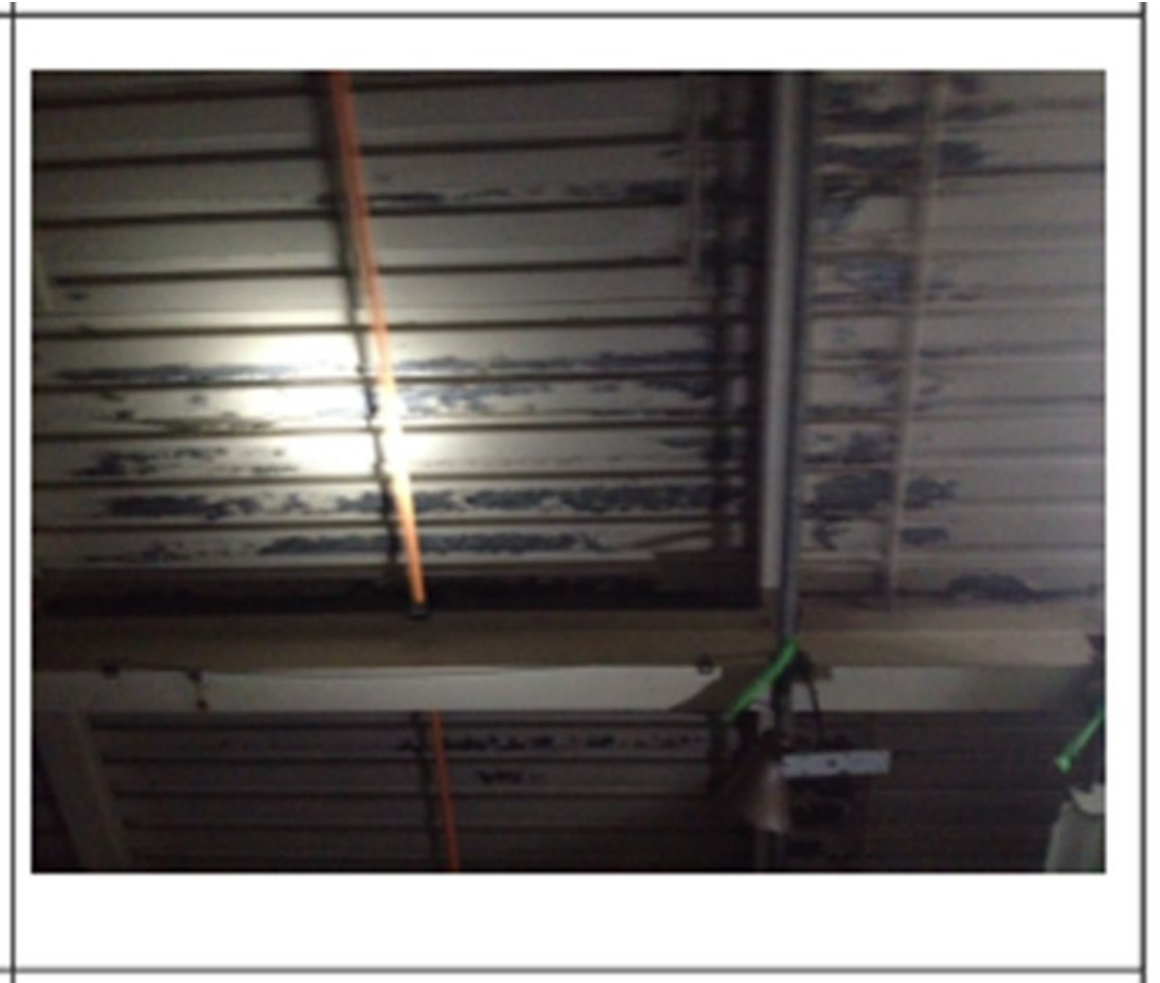
- A lead exposure control plan will need to be generated based on the type of work be done.
- No dry sweeping of Gallery floors is permitted.
- HEPA vacuum waste is Hazardous waste.
- Areas shall be pre-cleaned prior to the commencement of work.
- All work equipment shall be cleaned prior to removal from the work areas.

Lead Paint

Cracking paint on the exterior of roof



Delaminated paint on interior of roof



Plan the work carefully

- Every time the roof is accessed a lead remediation work plan will be required.
- Hazardous waste costs from lead activities need to be factored into the planned work.
- Planned roof access will need to account for lead hazards in the Gallery.
- Either trained workers or contract vendors will be required to set up the work area prior to beginning projects which will delay projects if not planned.

Asbestos

Asbestos materials in the Gallery

There are two main asbestos products used in the Gallery construction

- Drywall walls have asbestos joint compound.
 - ALL PENETRATIONS AND REMOVAL OF dry wall must be planned as an asbestos removal activity.
 - All Mastics (roofing and flooring) if present are asbestos containing.
- Only AHERA Trained Workers / Supervisors are permitted to remove asbestos.
- All asbestos waste including HEPA vacuum clean-out shall be collected labeled and processed through SLAC's hazardous waste group.
- If removing greater than 100 sq ft. a Bay Area Air Quality permit must be submitted 10 days prior to begin work.

Silica Dust

We follow the OSHA Silica standard

All grinding, drilling cutting or coring of the floor must be planned

- These activities must follow the CAL OSHA requirements for silica dust hazards.
- All work shall be planned according to the Table 1 requirements of the 1926.1153 - Respirable crystalline silica.
- This table tells employers when respirators are required and details engineering controls.

*Thank
You*



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