



ASBESTOS ABATEMENT PROTOCOL
Ventura High School
Classrooms 25A, 25B,
Ventura Unified School District

The following protocol is for the safe removal of the asbestos containing materials (ACM) for the roofing system and asbestos containing construction materials (ACCM) for the exterior stucco systems for Classroom/Building 25 at Ventura High School. Following a comprehensive asbestos survey by Environmental Testing Associates, the following materials contain varying amounts of regulated asbestos:

Roofing Materials
Roofing Material Associated Mastics
Roofing Penetration Mastics
Exterior Stucco Materials

The full survey is attached to this document and should be referenced during the bidding process. All square footage referenced within the survey are estimates and should not be relied upon for bid purpose, disposal quantities, or Ventura County Air Pollution Control District VCAPCD notifications, if required. The removal of asbestos containing roofing materials and exterior stucco surfaces must follow all Federal, State and Local regulations.

Federal requirements which govern aspects of asbestos abatement include, but are not limited to, the following regulations.

California Code of Regulations (CCR)

1. CCR-Title 8 Section 1529- General Construction Asbestos
2. CCR-Title 8 Section 5208- Permits
3. CCR-Title 8 Section 641.6-341.14 Registration

Occupational Safety and Health Administration (OSHA)

1. Title 29 CFR 1926.1101 - Construction Standard for Asbestos
2. Title 29 CFR 1910.132 - Personal Protective Equipment
3. Title 29 CFR 1910.134 - Respiratory Protection
4. Title 29 CFR 1926 - Construction Industry Standards
5. Title 29 CFR 1910.20 - Access to Employee Exposure and Medical Records
6. Title 29 CFR 1910.1200 - Hazard Communication
7. Title 29 CFR 1910.151 - Medical and First Aid

Environmental Protection Agency (EPA)

1. 40 CFR 61 Subpart A and M (Revised Subpart B) - National Emission Standard for Hazardous Air Pollutants - Asbestos.
2. 40 CFR 763.80 - Asbestos Hazard Emergency Response Act (AHERA)

Department of Transportation (DOT)

1. Title 49 CFR 100 - 185 – Transportation
2. CCR Title 22- Transportation

The Asbestos Abatement Contractor shall assume full responsibility and liability for compliance with all applicable Federal, State and Local regulations related to any and all aspects of the asbestos abatement project. The Contractor is responsible for providing and maintaining training, accreditations, medical exams, medical records, personal protective equipment (PPE) including respiratory protection including respirator fit testing, as required by applicable Federal, State and Local regulations. The Contractor shall hold the Ventura Unified School District (VUSD) and Environmental Testing Associates (ETA) harmless for any Contractor's failure to comply with any applicable work, packaging, transporting, disposal, safety, health, or environmental requirement on the part of the abatement contractor, the abatement contractor's employees, or the abatement contractor's subcontractors. The Contractor will incur all costs, including all sampling/analytical costs to assure compliance with OSHA/EPA/State requirements related to failure to comply with the regulations applicable to the work.

The purpose of this document is to ensure that the abatement contractor follows the mandatory work practices listed below:

Roofing Materials: (ACM)

1. Roof level heating and ventilation air intake sources shall be isolated, or the ventilation system shall be shut down.
2. Roofing material shall be removed in an intact state to the extent feasible. Wet methods shall be used to remove roofing materials that are not intact, or that will be rendered not intact during removal, unless such wet methods are not feasible or will create safety hazards.
3. If cutting machines are used, they shall be continuously misted during use, unless a competent person determines that misting substantially decreases worker safety. (Use of mechanical means will require VCAPCD notification).
4. If a power roof cutter is utilized, all dust resulting from the cutting operation shall be collected by a HEPA dust collector or shall be HEPA vacuumed by vacuuming along the cut

line by gently sweeping and then carefully and completely wiping up the still-wet dust and debris left along the cut line. The dust and debris shall be immediately bagged or placed in covered containers.

5. Asbestos-containing material that has been removed from a roof shall not be dropped or thrown to the ground, unless the material is carried or passed to the ground by hand, it shall be lowered to the ground via covered, dust-tight chute, or hoist:

- a. Any ACM that is not intact shall be lowered to the ground as soon as is practicable, but in any event no later than the end of the work shift. While the material remains on the roof it shall either be kept wet, placed in an impermeable waste bag, or wrapped in plastic sheeting.
- b. Intact ACM shall be lowered to the ground as soon as is practicable, but in any event no later than the end of the work shift.

6. Upon being lowered, unwrapped material shall be transferred to a closed receptacle in such a manner as to preclude the dispersion of dust.

Exterior Stucco Materials: (ACCM)

1. Exterior Stucco materials shall be removed in an intact state to the extent feasible. Wet methods shall be used to remove stucco materials that are not intact, or that will be rendered not intact during removal, unless such wet methods are not feasible or will create safety hazards.

2. If cutting machines are used, they shall be continuously misted during use, unless a competent person determines that misting substantially decreases worker safety. (Use of mechanical means will require VCAPCD notification).

3. All dust resulting from the cutting operation shall be collected by a HEPA dust collector or shall be HEPA vacuumed by vacuuming along the cut line by gently sweeping and then carefully and completely wiping up the still-wet dust and debris left along the cut line. The dust and debris shall be immediately bagged or placed in covered containers.

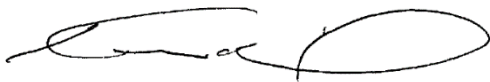
4. Unwrapped material shall be transferred to a closed receptacle in such a manner as to preclude the dispersion of dust.

ETA is anticipating the abatement process to be completed in five business days. The abatement contractor must staff appropriately to perform the abatement. Any costs associated with the failure to complete the abatement within 5 days will be the financial responsibility of the abatement contractor for the consultant's fees and additional services as required.

A sight walk will be conducted during the bidding process. The Ventura Unified School District and Environmental Testing Associates will be onsite to help facilitate the bidding process and will assist in answering the contractors' questions.

Yours very truly,

ENVIRONMENTAL TESTING ASSOCIATES,

A handwritten signature in black ink, appearing to read 'Kevin R. Riley', with a large, stylized loop at the end.

Kevin R. Riley, Certified Asbestos Consultant (17-5871)
NIOSH 582 Certification # 120400LA-06
NV-IJPM-1674