LEAD-BASED PAINT WORK PLAN
EXTERIOR FIRE STAIRS REPAIR
100 McALLISTER STREET
SAN FRANCISCO, CALIFORNIA

THIS WORK PLAN APPLIES TO ALL BUILDING TRADES WORKING ON THIS PROJECT INCLUDING BUT NOT LIMITED TO DEMOLITION, WELDING AND PAINTING TRADES

PART 1: GENERAL

A. Field sampling and laboratory analysis have established that the painted surfaces on the exterior fire stairs are coated with Lead-Based Paint (LBP).

B. For all work to be performed as part of this project shall be performed in accordance with the specific requirements for items discussed in this section are set forth in the following:
   - San Francisco Exterior Lead-Based Paint Ordinance (Building Code Section 3606);
   - Cal/OSHA Construction Safety Orders-Lead, Section 1532.1, Title 8 California Code of Regulations; and
   - California Department of Public Health (CDPH) Title 17.

C. The Contractor is responsible for determining site conditions, quantities and locations of all lead-related work to be performed, prior to submitting bid for completing the work. These conditions include but are not limited to, physical conditions of the site that may affect access; handling and storage of tools and materials; access to water and electricity or other utilities that may otherwise affect the performance of required activities.

PART 2: LEAD-RELATED WORK ACTIVITIES

The lead-related work described below must conform to this Section. Lead related work tasks necessary to complete the project including, but are not limited to, the following:

A. Demolition: Work to be performed will include the demolition, load-out and cleanup of painted building materials.

B. Paint Preparation and Paint Stabilization: Work to be performed will include the removal of loose and peeling paints from coated surfaces.

C. Grinding, cutting, burning, etc. of existing painted surfaces: Work to be performed will include the grinding, cutting, burning, etc. of existing painted steel and metal. Paint removal and handling methods must be conducted by CDPH certified personnel. Specific methods must be submitted and approved in writing through a Lead Compliance Plan to the Owner.
PART 3: PROJECT SUBMITTALS

The following items shall be submitted to, and approved by the Environmental Consultant before commencing abatement and stabilization work outlined in this work plan.

Pre-job Submittals (as designated):

- Cal/OSHA Lead Hazard Notification per 8 CCR 1532.1 (twenty four (24) hours in advance);
- DHS Notification Form DHS 8551 (12/97) for Abatement of Lead Hazards
- Notifications per San Francisco Exterior Lead-Based Paint Ordinance
- Copy of current Contractors’ State Licensing Board (CSLB) License;
- Proof of all required permits or variances;
- Lead-related work schedule;
- Lead Compliance Plan;
- Copies of DHS Certified Lead Worker's and Supervisor's training certificates, as applicable;
- Copies of workers' lead awareness training certificates;
- Copies of workers' annual medical exam and respirator approval;
- Copies of workers' twelve (12) month respirator fit testing records;
- Copies of workers' blood lead test within past ninety (90) days;
- Material Safety Data Sheets (MSDS) for chemicals used;
- Emergency phone listing;
- Independent third-party DOP testing of negative pressure units and vacuums;
- Proposed location of waste storage; and
- Rotometer calibrations within past six (6) months.

Periodic Submittals (as designated):

- Personal air monitoring (daily);
- Updated worker documentation (as needed);
- Boundary access logs (daily);
- Negative pressure records (daily); and
- Copies of updated notification to regulatory agencies (as needed).
Project Close-out Submittals (as designated within two (2) weeks of completion):

- Certificate of Completion;
- Receipt and weight tickets from landfill operator or recycler (as applicable);
- Copies of completed uniform waste manifests, including hazardous and non-hazardous waste;
- Abatement Contractor Waste profiling data (TCLP, WET and SW846, as applicable);
- Filter change logs for all filtration units, water filtration units (as applicable) and respirators;
- Foreman’s daily job reports;
- Employee and visitor entry/exit logs for all containments;
- Manometer printouts for all applicable containments; and
- Air sample results for all personnel, work areas and air filtration units.

PART 4: PROJECT PROTOCOL FOR LEAD-RELATED WORK ACTIVITIES

A. Decontamination facilities, lead warning signs, containment barriers, should conform to 8 CCR 1532.1. At a minimum, workers will need a washing station for washing hands and face.

B. OSHA approved lead-warning signs and lead barrier tape should be posted at all appropriate locations. Post all applicable signage along the work area boundary, which should be formed using barrier tape. At any possible point of entry into the work area, the following bilingual warning signs must be posted: WARNING - LEAD WORK AREA – POISON, NO SMOKING PLEASE. In accordance with San Francisco exterior lead-Based Paint Ordinance (Building Code Sectio 3606), signs should also read LEAD WORK IN PROGRESS - PUBLIC ACCESS TO WORK AREA PROHIBITED - POSTED IN ACCORDANCE WITH BUILDING CODE SECTION 3606.

C. To protect the worker in surrounding environment, control all visible dust emissions. Use any combination of containment barriers and allowable controls and propose controls measures to be approved by the owner.

D. Keep all surfaces in the work area as free from lead as possible. Routine clean-up should be done on a daily basis using a vacuum equipped with a High Efficiency Particulate Air (HEPA) filter.

E. Clean room / Eating Facility: set up for employees to store street clothes, store food items and eat lunch. The facility shall be cleaned of suspect dust construction dust and debris daily.

F. Final cleaning will be required in all regulated work areas where lead-related work takes place.
PART 5: WORKER TRAINING AND SAFETY

A. Develop a project specific Lead-Compliance Plan in accordance with Cal/OSHA Construction Safety Orders (8 CCR 1532).

B. Workers must receive lead training and, if required, be certified by the California Department of Public Health in accordance with Title 17, CCR, Section 35022.

C. Provide a respiratory physical to evaluate pulmonary status as required by 8 CCR 1531 and 8 CCR 1532.1 for all lead workers.

D. Implement and submit a Respiratory Protection Program according to 8 CCR 1531 and 8 CCR 1532.1. Require that all employees wear only NIOSH/MSHA approved respirators with High Efficiency Particulate Air (HEPA) filters.

E. Conduct air sampling for breathing zone concentrations on the workers to establish the daily lead exposure to workers. Air monitoring of airborne concentrations of lead should be in accordance with 8 CCR 1532.1.

PART 6: HANDLING and DISPOSAL OF LEAD CONTAINING WASTE

A. Segregate waste resulting from demolition of painted building materials.

B. Prior to disposing of waste and construction debris generated from demolition or activities that disturb lead-based paint, the contractor performing the work shall be responsible for collecting representative samples of the waste stream and submitting them to a laboratory for determination of disposal requirements. The samples shall be collected by a CDPH certified supervisor, inspector/assessor in accordance with state of the art protocol. The laboratory shall be instructed to analyze the debris by TTLC, and based upon the results, by STLC and the California WET method.

C. Solvent residues and residues from strippers shall be placed in properly labeled drums to be disposed as hazardous waste.

D. Liquid waste shall be properly disposed of and lead-dust contaminated wash-water must be filtered.

E. Waste materials shall be packed into approved sealed and labeled protective packaging.

F. Containers removed from the waste loadout must be removed by workers who have entered from uncontaminated areas dressed in clean coveralls.

G. Deliver all waste materials to the pre-designated waste disposal facility in accordance with the guidelines of the EPA and the State of California.
H. Provide evidence, such as the “bill of lading” or “Hazardous Waste Manifest” that the Waste Material was disposed of at the approved EPA Hazardous Waste Disposal Facility (indicate the weight in tons). A party independent from the contractor must confirm this weight. The evidence shall be submitted to the Owner within 10 working days.

END OF WORK PLAN