

SECTION 01561 ENVIRONMENTAL CONTROL

1.1 THE REQUIREMENT

A. Explosives for Blasting

1. The use of explosives for blasting purposes on the work shall not be permitted.

B. Fugitive Dust and Smoke Control

1. The CONTRACTOR shall furnish all labor, equipment, and means required and shall carry out effective measures wherever and as often as necessary to prevent its operation from producing dust in amounts damaging to property, cultivated vegetation, or domestic animals, or causing a nuisance as defined by the ENGINEER. The CONTRACTOR shall be responsible for any damage resulting from any dust originating from its operations. The dust abatement measures shall be continued until the CONTRACTOR is relieved of further responsibility by the ENGINEER. No separate payment shall be allowed for dust abatement measures and all costs thereof shall be included in the CONTRACTOR's Bid. The use of water resulting in mud on streets, sidewalks, driveways, shall not be permitted as a substitute for sweeping or other methods of dust control.
2. The CONTRACTOR shall not discharge smoke, dust, or any other air contaminants into the atmosphere in such quantity as will violate the regulations of any legally constituted authority.
3. The CONTRACTOR shall comply with the requirements of Title 8, California Code of Regulations, concerning handling of asbestos dust.

C. Rubbish Control

1. Through all phases of construction, including suspension of Work and until final acceptance of the Project, the CONTRACTOR shall keep the Worksite and other areas used by it in a neat and clean condition, and free from any accumulation of rubbish and debris. The CONTRACTOR shall dispose of all rubbish and waste materials of any nature occurring at the Worksite and shall establish regular intervals of collection and disposal of such materials and waste. The CONTRACTOR shall also keep its haul roads free from dirt, rubbish, and unnecessary obstructions resulting from its operations. Care shall be taken to prevent spillage on haul routes. Any such spillage shall be removed immediately and the area cleaned by the CONTRACTOR. Equipment and material storage shall be confined to areas approved by the ENGINEER. Disposal of all rubbish and surplus materials shall be off the site of construction, at the CONTRACTOR's expense, all in accordance with local codes and ordinances governing locations and methods of disposal, and in conformance with all applicable safety laws, and the requirements of the OSHA Safety and Health Standards for Construction. All cleanup cost shall be included in the CONTRACTOR's Bid.

D. Sanitation

1. Fixed or portable chemical toilets shall be provided for the use of the CONTRACTOR's employees. These accommodations shall be maintained in a neat and sanitary condition. Toilets at construction sites shall conform to the requirements of Title 8, California Code of Regulations.
2. Wastewater conveyance and disposal shall not be interrupted. Should the CONTRACTOR disrupt existing sewer facilities, sewage shall be conveyed in closed conduits and disposed of in a sanitary sewer system. Sewage shall not be permitted to flow in trenches or be covered by backfill.
3. The CONTRACTOR shall establish a regular schedule for collection of all sanitary and organic waste. All wastes and refuse from sanitary facilities provided by the CONTRACTOR or organic material wastes from any other source related to the CONTRACTOR's operations shall be disposed of away from the site in a manner satisfactory to the INSPECTOR and in accordance with all laws and regulations pertaining thereto. Disposal of all such wastes shall be at the CONTRACTOR's expense.

E. Chemicals

1. The following paragraph does not relieve the CONTRACTOR from its responsibility for obtaining prior approval from the ENGINEER for chemical usage when otherwise required.
2. The CONTRACTOR shall provide four (4) copies of the MSDS to the INSPECTOR for all chemicals used during project construction or furnished for project operation, prior to bringing them on site, whether defoliant, soil sterilant, herbicide, pesticide, disinfectant, polymer, reactant, or of other classification, which shall show approval of either the U.S. Environmental Protection Agency or the U.S. Department of Agriculture. Use of all such chemicals and disposal of residues shall be in strict accordance with the printed instructions of the manufacturer and with all other applicable laws and regulations.

F. Lead paint notification

1. The CONTRACTOR is hereby notified that the facility or jobsite under this Contract may contain Lead (Pb), Chromium (Cr) and Molybdenum (Mo).
2. If any paints containing Lead or Chromium are to be physically disturbed or made airborne during the progress of the Work by activities such as abrasive blasting, welding, cutting or torch burning, the CONTRACTOR shall provide appropriate worker protection in accordance with OSHA Lead in Construction Standard and in any other applicable regulations.
3. All paint which is removed or disturbed during the progress of the Work or any demolition debris which contains these paints, either of which contains in excess of 5 ppm (mg/l) Lead or Hexavalent Chromium when

tested in accordance with the Waste Extraction Test (WET) method of the California Code of Regulations, Title 22, shall be disposed of as hazardous waste. The CONTRACTOR shall be responsible for such disposal in accordance with all applicable laws and regulations.

G. Hazardous Waste

1. Hazardous waste generated by the CONTRACTOR at the site shall be disposed of in accordance with NOTIFICATION OF HAZARDOUS SUBSTANCES of the General Conditions.

H. Odor Control

1. The CONTRACTOR shall furnish all labor, materials, and equipment required and shall carry out effective measures whenever and as often as necessary to prevent the discharge of a nuisance odor from its operation into the atmosphere in such quantity as will violate the regulations of any legally constituted authority. During construction, the CONTRACTOR shall notify the ENGINEER and the INSPECTOR at least forty-eight (48) hours in advance when potential odor-causing activities are scheduled for construction.

I. Drainage Control

1. The CONTRACTOR shall maintain drainage within and through the Work areas. Earth dams will not be permitted in paved areas. Temporary dams of sandbags, asphaltic concrete, or other acceptable material will be permitted when necessary. Such dams shall be removed from the site as soon as their use is no longer necessary.

J. Graffiti Control

1. Throughout all phases of Work, including suspension of work, and until final acceptance, the CONTRACTOR shall keep all equipment, field offices, storage facilities and other facilities free of graffiti. Graffiti shall be painted over, masked or cleaned off within twenty-four (24) hours after notification by the INSPECTOR

K. Vermin Control

1. At the time of acceptance, structures entirely constructed under the Contract shall be free of rodents, insects, vermin, and pests. Necessary extermination work shall be arranged and paid for by the CONTRACTOR as part of the work within the contract time, and shall be performed by a licensed exterminator in accordance with requirements of governing authorities. The CONTRACTOR shall be liable for injury to persons or property and responsible for the elimination of offensive odors resulting from extermination operations.

(END OF SECTION)