

SECTION 01 35 43

HAZARDOUS MATERIALS PROCEDURES

PART 1 GENERAL

1.01 DESCRIPTION

- A. Section 3.01 of this DPS Design and Construction Section may be deleted only where the project is new construction. No other changes to the contents of this section are to be made.

1.02 WORK BY OTHERS

- A. Asbestos Removal:
 - 1. The School District has completed a survey of all school buildings to identify asbestos containing materials (ACM). Where asbestos materials were known to exist in locations affected by this project, abatement measures have been (or will be) taken by the Owner under separate contract. The Contractor shall coordinate his sequence and schedule with that of asbestos abatement work.

1.03 QUALITY ASSURANCE

- A. Asbestos containing materials may exist within the general project area where such materials are not expected to be disturbed during the work. The Contractor shall review the A.H.E.R.A. report at the project site and become familiar with known asbestos containing materials in the work areas. If information is unclear as to the type of material that may be disturbed, it is the contractor's responsibility to consult with DPS or DPS Environmental Services for clarification.
- B. Denver Public Schools requires that all contractors working on District property possess at a minimum 2-hour asbestos awareness training to ensure that asbestos material is not accidentally disturbed during the construction process.

1.04 SPECIAL NOTICE OF SUPERFUND DESIGNATION

- A. General Note: When the contractor doing work on any DPS property detects free liquid products in the ground or when a solvent or petroleum odor is detected, the Contractor shall cease all operations in the area of concern and immediately notify the DPS Environmental Services.
- B. Note to Contractors doing earthwork at Swansea, Harrington, Bruce Randolph, Pioneer, Wyatt, Mitchell, and Cole: These schools are located within the Vasquez/I-70 Superfund site. The potential health concern for working at this site is exposure to metals by breathing in soil particles once they become airborne. Although the soil at these schools has been tested and found to be below EPA's action levels of 400 parts per million (ppm) for lead and 70 ppm for arsenic, contractors at these sites should take precautions to not allow excessive fugitive dust on the property and no off-property transfer of fugitive dust. Workers that are concerned about exposure can wear a dust mask to prevent inhalation of any dust. If you want specific sampling results for these sites, contact the DPS Environmental Services.
- C. Note to Contractors doing earthwork at Garden Place: This school is located within the boundary of the proposed ASARCO Globe Superfund site. The potential health concern for working at this site is exposure to metals by breathing in soil particles once they become airborne. The soil at this school has been tested and areas that contained greater than 73 parts per million (ppm) cadmium, 500 ppm lead or 70 ppm arsenic has been removed from the site. Although the soil has been tested and removed if necessary, contractors should take precautions to not allow excessive fugitive dust on the property and no off-property transfer of fugitive dust. Workers that are concerned about exposure can wear a dust mask to prevent inhalation of any dust.
- D. Note to Contractors doing earthwork/excavation at Ashgrove/RMSEL: This school is located within the Redfield Rifle Scope clean-up project. The concern at this school is groundwater contamination and not a health issue for workers at the site or for the school. If a contractor is doing excavation work at the site and detects a solvent odor, they should stop work and immediately contact DPS or the DPS Hazardous Materials Specialist.

1.05 IMPORT AND EXPORT OF FILL DIRT

- A. No materials may be removed from the project site nor imported to the project site without proper analysis and documentation of the contents of the soils.
- B. DPS will provide evidence of the testing of soils on DPS property and the analysis thereof. Soils containing hazardous materials that are removed from the site shall be disposed of in a manner approved by the EPA. Any contractor removing such materials shall provide certification that the material was properly handled.
- C. Before any fill dirt is imported to the site, the Contractor shall provide evidence that the material is free of hazardous materials.

1.06 SUBMITTALS

- A. Safety Data Sheets (SDS):
 - 1. Copies of all material safety data sheets for all applicable products, including but not limited to; paint, adhesives, mastics, solvents, and finishes, etc. shall be retained on site by the General Contractor for all applicable products used during the construction and/or remodeling activities at all Denver Public Schools. Copies of all SDS's shall be supplied to the Owner's Representative upon request, and shall be included when the final Record Drawings are delivered as per the applicable contract specifications.
- B. Environmental Analysis
 - 1. For all import fill materials, provide Environmental analysis including test results for **RCRA8, TPH and BTEX** analyses provided by a certified independent testing agency.
 - 2. Submit test results to DPS for review by DPS Environmental Services.

1.07 PROJECT/SITE CONDITIONS

- A. Hazard Communication Requirements:
 - 1. All Contractors are responsible for compliance with mandatory federal rules and regulations concerning Hazard Communication, specifically those regulations contained in: 29 CFR 1910.1200 Hazard Communication.
 - 2. All General Contractor and sub-contractors working at sites under the control of Denver Public Schools shall make available to the Owner's Representative, upon request, copies of the Hazard Communication Program used by their firm. In addition to this requirement, all regulations related to Multi-employer workplaces shall be adhered to. These regulations are found in 29 CFR 1910.1200,(e) (2) (i) through (e) (4) specifically:
 - (e) (2) Multi-employer workplaces. Employers who produce, use, or store hazardous chemicals at a workplace in such a way that employees of other employer(s) may be exposed (for example, employees of a construction contractor working on-site) shall additionally ensure that the hazard communication programs developed and implemented under paragraph (e) include the following:
 - (e) (2) (i) The methods the employer will use to provide the other employer(s) with a copy of the material safety data sheet, or to make it available at a central location in the workplace, for each hazardous chemical the other employer(s)' employees may be exposed to while working;
 - (e) (2) (ii) The methods the employer will use to inform the other employer(s) of any precautionary measures that need to be taken to protect employees during the workplace's normal operating conditions and in foreseeable emergencies; and,
 - (e) (2) (iii) The methods the employer will use to inform the other employer(s) of the labeling system used in the workplace.
 - (e) (3) The employer may rely on an existing hazard communication program to comply with these requirements, provided that it meets the criteria established in this paragraph (e).
 - (e) (4) The employer shall make the written hazard communication program available, upon request, to employees, their designated representatives, the Assistant Secretary and the Director, in accordance with requirements of 29 CFR 1910.20 (e).

3. The referenced regulations were excerpted from 29 CFR 1910.1200. This excerpt shall not be relied upon for compliance with mandatory federal, state and local regulations. The Contractor shall comply with all such regulations and shall be solely liable for insuring that all requirements under applicable regulations are met.

B. OSHA Compliance:

1. All Contractors are responsible for compliance with mandatory Federal rules and regulations concerning OSHA Compliance for the various worksite activities they are completing.

1.08 ASBESTOS CONTAINING MATERIALS

- A. The School District has completed surveys of school buildings to ID asbestos containing materials (ACM). Contact DPS for such information.
- B. If additional asbestos containing materials are suspected, after construction begins, please contact DPS.
- C. The School District has surveyed elementary schools built pre-1978 for lead based paint.
- D. DPS shall provide Architect the results of tests for lead.
- E. Contractor working at affected sites are renovated to follow OSHA 1926.62 and EPA RRP rule.

PART 2 PRODUCTS – No Requirements

PART 3 EXECUTION

3.01 ASBESTOS DISCOVERY

- A. The Contractor is cautioned to be alert to the possibility that his work may uncover asbestos containing materials. If suspected materials are found, the Contractor shall notify the District and stop all work in the area immediately. If the suspected materials prove to contain asbestos, the Owner will arrange to have the materials abated in a timely manner.

3.02 IMPORT FILL MATERIALS

- A. Before any fill materials are imported onto the project site, the Contractor shall provide all required information as to the suitability of the materials for the intended use and shall provide certification that materials are free of hazardous materials.

Exhibit "A" Sample Form:



DENVER PUBLIC SCHOOLS – DEPARTMENT OF FACILITY MANAGEMENT
Asbestos Acknowledgement Form

FACILITY:

PROJECT:

PROJECT MANAGER:

I have been informed that the Asbestos Hazard Emergency Response Act (AHERA) Management Plan for this facility has been made available to me and that asbestos-containing materials have been identified as being present in this building.

I am aware that the terms of the Construction Agreement provide that it is my duty to inform my employees and any and all subcontractors and their employees of the availability of the AHERA Management Plan and the presence of asbestos.

Any incident involving the disturbance of asbestos containing materials and any questions will be immediately reported to the Denver Public Schools Environmental Services Department (720-423-1962).

DATE:

SIGNATURE:

NAME:

COMPANY AND/OR CONTRACTOR:

END OF SECTION 01 35 43