SECTION 01121

HAZARDOUS MATERIAL PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

   A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 - Specification sections, apply to work of this section.

1.2 SUMMARY:

   A. Section Includes:
      1. General administrative requirements and procedures for Hazardous Communication Program.

   B. Related Sections:
      1. Summary of Work: Section 01010.
      2. Administration, Procedures, Codes: Section 01105. (Verify citation)

1.3 WORK BY OWNER:

   A. Asbestos:
      1. The Owner has completed an Environmental Site Assessment to identify asbestos containing materials and other immediate Health and Safety items. Do not begin work until Form Exhibit A (copy following the Supplementary General Conditions) has been executed. Where asbestos materials or other hazardous conditions are known to exist in locations affected by this project, remediation measures will be taken by the Owner under separate contract. The Contractor shall coordinate his sequence and schedule with that of the environmental remediation work.
      2. In the event that the Contractor encounters any material on the site which is reasonably believed hazardous, which has not been rendered harmless, the Contractor shall:
         a. Stop work immediately in affected areas.
         b. Report the condition in writing to the Department of Facilities Management Project Administrator.
c. Report the condition in writing to the Architect.

d. Resume work only under the provisions of this section.

1.4 SUBMITTALS:

A. Material Safety Data Sheets (MSDS):

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 Contractor for all applicable products used during the construction and/or remodeling work. Furnish copies of all MSDS’s to the Owner and Architect and include in the Project Record Document submittal.

1.5 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 Environmental Health and Safety Environmental Site Assessment at the project site and become familiar with known asbestos and hazardous containing materials in the work areas.

1.6 PROJECT/SITE CONDITIONS:

A. Hazard Communication Requirements:

1. All Contractors are responsible for compliance with mandatory federal rules and regulations concerning Hazard Communication, including, but not limited to those regulations contained in 29 CFR 1910.1200 Hazard Communication, 1910.146 Confined Space, 1910.147 Lock-out Tag-out, 1910.1101 Asbestos, and 1926.62 Lead. Contractor and all subcontractors working at sites under the control of the Owner shall make available to the Architect, 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 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:

   (3) (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).

2. 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.

PART 2 - PRODUCTS  (Not applicable)

PART 3 - EXECUTION

3.1 EXAMINATION:

A. Asbestos and Hazardous Materials Discovery:

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

3.2 HAZARDOUS MATERIALS/EQUIPMENT REMOVAL:

A. Definition:
1. Removal of hazardous materials/equipment is extremely dangerous. Hazardous materials/equipment is defined to include, but not limited to the following:

   a. Fume hoods
   b. Hood exhaust duct work
   c. Exhaust fans
   d. Laboratory casework and equipment
   e. PCB ballast’s
   f. Mercury and Sodium Vapor Lights
   g. Adjacent material that could come in contact with workers or public.

B. Protection:

   1. Hazardous materials/equipment removal shall include the protection of personnel, material, environment and safe legal disposal of the equipment; and further includes the following:

      a. Notification of Project Administrator and appropriate Environmental Health and Safety Unit
      b. Proper protective clothing for personnel involved in the removal.
      c. Appropriate emergency and first aid facilities.
      d. Removal procedures shall be accomplished during minimal occupancy of the remainder of the building on the weekends or at night.

C. Disposal:

   1. All equipment related to the use, storage or processing of hazardous materials/equipment shall be removed and properly disposed of under the direct, full-time supervision of a qualified Laboratory Specialist fully conversant with the chemistry and properties of the material/equipment involved. Certification is required. Contractors are responsible for the removal of all hazardous materials/equipment and chemicals from the work site as well as proper disposal of all hazardous waste generated by their project.
2. Hazardous waste disposal must include prior notification to the Department of Environmental Health and Safety in order to verify that the appropriate procedures and documentation are used.

3. Hazardous chemicals, waste, and other pollutants may not be discharged to the sanitary or storm sewer systems at anytime. Releases to the environment must be reported to CUPD/EH&S immediately.
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<th>LOCATION:</th>
<th>WORK ORDER/PROJECT NUMBER:</th>
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<tr>
<th>ASBESTOS MATERIALS</th>
<th>RADIOACTIVE MATERIALS</th>
<th>ENVIRONMENTAL COMPLIANCE</th>
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<tr>
<td>LEAD MATERIALS</td>
<td>LASER OR X-RAY</td>
<td>HAZARDOUS MATERIALS</td>
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SUSPECT BUILDING COMPONENTS, MATERIALS, AND SITE CONDITIONS:

SAMPLED / RESULTS:

CORRECTIVE ACTION:

ENVIRONMENTAL HEALTH AND SAFETY INSPECTOR: DATE INSPECTED:

ENVIRONMENTAL HEALTH AND SAFETY MANAGER: DATE REVIEWED:

UNIVERSITY REPRESENTATIVE / CONTACT: PHONE NUMBER:

This report is provided based upon current conditions, regulations and policies at the time of inspection. This report is valid for 90 days. I understand that the materials noted above contain asbestos and/or involve other hazardous materials. I also understand that any work involving these materials must be coordinated with the University of Colorado Environmental Health and Safety Office. Any changes in the original scope of work must be re-inspected. It is understood that no new materials containing asbestos will be used for any part of the construction of this project. Contractor is responsible for providing this information to all their employees and subcontractors.

CONTRACTOR NAME (print) PHONE NUMBER:

CONTRACTOR REPRESENTATIVE: (signature) DATE:

The Division of Environmental Health and Safety CB-375, Boulder, CO 80309, Ph. (303) 492-6025 Revised 2/98 MDY

END OF SECTION 01121