**212 Hazardous Materials**

**212.1 Coordination:** The Architect-Engineer shall coordinate with the Project Manager and the Executive Director of Public Safety and Risk Management for the need of a survey for hazardous building materials. The process for detection and abatement of hazardous building materials (i.e. asbestos-containing materials, underground fuel tanks, PCB containing transformers, etc.) is addressed in this section.

**212.2 General Requirements:** This section outlines the general requirements and content of the hazardous material investigations that may be required in the design and advance planning of the Project.

When suspected hazardous materials are encountered during the course of investigating existing facilities or sites, the Architect-Engineer shall immediately inform the Project Manager.

Where the extent of hazardous material is known, an abatement contractor may be engaged for removal without the involvement of an Environmental firm.

The Project Manager and the Executive Director of Public Safety and Risk Management will determine the necessity of environmental engineering services for the identification and abatement of hazardous materials. Depending on the scope, investigation work may be performed by DFMS personnel or by an Environmental firm. The Architect-Engineering firm shall coordinate with the Environmental firm for this investigation.

All labor, materials, and equipment necessary to perform surveying for hazardous materials shall be the responsibility of the Environmental firm. This investigation work shall be performed by an employee holding a valid Building Inspector Permit license from the Division of Air Quality.

**212.3 Investigation and Abatement Services:** The investigation shall identify the type, location, condition and quantity of the hazardous materials present. The Project Manager will provide any existing Record Drawings to assist the Environmental firm.

The results of the investigation shall include a report summarizing all findings. The report shall include all testing information and results. Identification shall be shown on drawings and/or digital files with the locations and description of all materials surveyed and/or tested. The Environmental firm is responsible for distribution of the completed report. The number of copies of the final report shall be determined by the Executive Director of Public Safety and Risk Management and the Project Manager.

All personnel shall strictly observe all applicable Federal, State and local laws affecting operations at all sites. The Environmental Firm shall assume full responsibility for the safety of their employees, building occupants and the general public in the performance of any hazardous materials investigation work.

**212.4 Abatement Plan:** Where hazardous materials have been identified and quantified, a plan to abate the materials shall be developed by the Environmental firm. The abatement project may be accomplished using one of the following methods:

* Separate abatement contract
* Part of a general construction project

The Executive Director of Public Safety and Risk Management and the Project Manager will determine which method is to be used. In some instances it may be more prudent to contain or encapsulate hazardous materials rather than abate them. The Executive Director of Public Safety and Risk Management and the Project Manager will make the determination as to whether to contain, encapsulate or abate the materials.

**212.5 Abatement:** The abatement project shall be conducted in compliance with all applicable laws and regulations. The abatement contractor shall have a contractor license certified by the Division of Air Quality. The abatement contractor must notify the Division of Air Quality not less than 10 calendar days prior to start of abatement work. Some local jurisdictions have more stringent criteria and certifications required in their locale. The Environmental firm shall monitor the project to ensure compliance.