



**Program Directive: 1D-6 Asbestos Abatement**

**Responsible Office: Design & Construction**

**Last Revised Date: May 2019**

**Summary:**

This Directive describes the requirements for design and construction administration of asbestos abatement on Fund Projects.

**Overview:**

This Directive will guide the Consultant in documenting the scope of abatement work and specifying its removal. Testing for asbestos should be done in conjunction with testing for lead, PCBs and other hazardous materials.

**Responsibility:**

The Consultant provides the asbestos design professional who provides the phase submissions, contract documents, including the drawings, specifications, and other information required to perform the abatement work in compliance with New York State (NYS) Department of Labor (DOL) Industrial Code Rule 56. The asbestos design professional shall be a certified Project Designer, or a certified Management Planner, as defined by Industrial Code Rule 56. Asbestos abatement design and construction administration services are part of the basic Total Fee, except for sampling, testing, and/or the Project Monitor, which may be extra compensation if not included in Schedule B of the Agreement.

For related requirements, see Directives 1D-5 Lead Remediation and 1D-9 Monitoring Removal of Asbestos and Hazardous Materials during Construction.

**Procedures**

**I. Design Phase**

- a. The Campus makes available all existing information previously obtained during Campus planning and in the construction of other projects on or near the project site. The Consultant reviews the Campus information, evaluates its reliability and applicability to the project, and provides recommendations for the acquisition of additional information and data. Refer to Directive 1A-2 Program Verification Phase.
- b. The Consultant prepares a sampling and testing plan designed to acquire the appropriate additional data at a reasonable cost. The plan provides the data needed by the Consultant to provide construction documents that show and describe the extent of asbestos containing materials that will be abated. The Consultant obtains and negotiates cost proposals in accordance with directive 1C-4 Extra Compensation Authorization.
- c. In the Schematic and Design Manual Phase submissions, the Consultant provides the appropriate documents that show and describe the extent of demolition, removal and/or abatement of asbestos, based on the testing. The cost estimate for each Phase is based on the extent of removals shown.
- d. In the Pre-Bid submission, the Consultant provides contract documents that show and describe the complete extent and type of demolition, removal and/or abatement of asbestos.
- e. There are minimum submission requirements for each applicable phase submission (See Directives 1A-1 through 1A-9 to find the specific submission requirements). Review each applicable phase Directive for guidance.

## II. Testing

- a. Testing for asbestos should be done in conjunction with testing for lead, PCBs and other hazardous materials.
  - 1) Obtain bulk samples using workers with a valid Inspector Certificate and in compliance with Industrial Code Rule 56.
  - 2) Testing should comply with requirements and recommendations in Industrial Code Rule 56. All air and bulk samples should be analyzed by a laboratory approved by NYS DOH ELAP according to Industrial Code Rule 56.
- b. Testing shall be initiated prior to submission of the Schematic Design, to allow for consideration in the Schematic Design Report of the construction cost and schedule implications of abatement.
- c. The asbestos design professional should be familiar with this Directive and be involved with developing the detailed sampling program.
- d. In addition to field visits for sampling and testing, perform field visits by both the Consultant and the asbestos designer to review all potential work areas, chases, plenums, etc. and investigate them for presumed asbestos-containing material. Field visits shall occur prior to completing the initial sampling and testing program (prior to schematic) and prior to completion of Construction Documents, when the work areas not considered in previous field visits shall be reviewed and investigated.
- e. Existing test results provided by the Campus and the Fund should be reviewed. These results may be found in the records of prior projects. Any or all prior test results shall not be considered complete or a substitute for project specific testing. All materials and/or areas suspected of containing asbestos and all "presumed asbestos-containing materials" defined in 24 CFR Part 1926, should be reviewed and confirmed with additional sampling and testing.
- f. Special attention should be paid to investigating concealed spaces, shafts, chases, etc., that may be exposed during the work. Use the Fund's Asbestos Checklist (bound after this section) to aid in these investigations. The Checklist identifies some of the locations where asbestos has been found on prior projects. The list is not all-inclusive. Its intent is to provide a historical reference to guide the Consultant in locating all the asbestos present.
  - 1) See and use the SUCF Asbestos Testing and Sampling Checklist.
- g. When reviewing prior testing results, consider whether they remain valid for materials for which sampling and laboratory analysis standards have changed (e.g. cellulous containing ceiling tiles, etc.) Perform additional sampling and testing as required to properly inform the contractor of the existing physical conditions.
- h. If sampling and testing is impractical due to its impact on the current building use, then conservative, reasonable assumptions should be made about whether asbestos is present, what types of materials are likely to be encountered and what quantities of materials will be removed (i.e. provide specific quantities and descriptions of materials for the purposes of quantifying the work in the Contract Documents).
- i. Also, consider whether abatement may be required in additional areas as required to provide reasonable access to the work area for the workers, material and equipment (e.g. abate ACM along the access path to a work area when there is a reasonable risk that it could impacted during normal efforts to transport material along the access path).
- j. Unless included in the lump sum fee or the Schedule B of the Consultant's Agreement, sampling, testing, determining the location of asbestos and reporting, as described in this

Directive, may be provided through extra compensation when approved by the Fund. All other work required by this Directive is part of the basic Total Fee.

### **III. Construction Documents**

- a. Prior to bidding, provide a coordinated review of the scope of work shown on all other design drawings to ensure and confirm that testing and sampling was performed in the actual work areas shown in the final contract documents. Use the SUCF Asbestos Testing and Sampling Checklist. Perform additional sampling and testing as required to properly inform the contractor of the existing physical conditions.
- b. The abatement drawings should show the specific scope of work, with measurable quantities of asbestos containing material. Runs, sizes of pipe, elbows and joints should be shown as far as practical, with schedules relied upon only when congestion of piping necessitates them. The use of schedules shall be at the discretion of the Fund. The extent of insulation, felts, mastic, tile or any other asbestos containing material, either confirmed or presumed, should be shown graphically.
- c. The drawings do not show details of critical barriers, DeCon Unit details or other construction that are required to perform the actual abatement, except where such work may impact adjacent campus operations, egress, etc. and where showing such details is a code requirement (i.e., show temporary partitions required by NFPA 241.) Where necessary, show preferred locations of the DeCon unit, barriers, etc. The drawings should contain a Contract Limit Line to show the full extent of the abatement area, as well as Phase Lines where abatement must be done in stages.
- d. General notes should be limited to project specific information and not duplications of what is written elsewhere in the specifications, Agreement, or the applicable rules and regulations.
- e. Unless otherwise approved by the Fund, the Drawings shall be separate and not combined with other sheets such as demolition and removals.
- f. Specifications:
  - 1) Do not copy and paste Industrial Code Rule 56, 29 CFR Part 1926, and other applicable rules and regulations, into the specifications. Compliance with these is the responsibility of the Contractor, and shall be incorporated by reference only. The Consultant is responsible for any errors or omission when transcribing Industrial Code Rule 56 and other applicable rules and regulations, so it would be best to incorporate them by reference. See Section 02 82 13 for specific instructions.
  - 2) Add the Fund's standard Section 02 82 13 "Asbestos Abatement" (provided to the Consultant by the Coordinator prior to Pre-Bid submission) to the Project Manual. All test reports should be referenced and bound at the end of Section 02 82 13 to inform the contractor of the existing physical conditions and to allow them to include the cost of abatement in their bid.

### **IV. Construction Phase**

Engage a Project Monitor as described in 1D-9 Monitoring Removal of Asbestos and Hazardous Materials during Construction

\*\*\*\*\*