

**SECTION 01 33 43
ABATEMENT SUBMITTALS**

PART 1 - GENERAL

1.01 DESCRIPTION

Make submittals required by the Contract Documents in a timely manner and at appropriate times to allow for sufficient review by Designer. Revise and resubmit as necessary to establish compliance with the specified requirements.

1.02 WORK INCLUDED

- A.** Submit complete bound sets of the submittals required in the Contract Documents. Submit separate sets entitled "Pre-Job Submittals" and "Post-Job Submittals".
- B.** Update submittals to Designer on a weekly basis to account for all new equipment and employees used on the Project.
- C.** Submit three (3) complete sets of "Pre-Job Submittals" to Designer for review, at the pre-construction meeting. The Work may not proceed until the complete pre-job submittal package has been reviewed and accepted by Designer.
- D.** Submit three (3) complete sets of "Post-Job Submittals" to Designer for review, following the final inspection of Work. Requests for final payment will not be approved until Post-Job Submittal package has been reviewed and accepted by Designer.
- E.** Identify individual submittals by name and include a table of contents in each submittal package.

1.03 QUALITY ASSURANCE

- A.** Carefully review and coordinate the various aspects of each item being submitted.
- B.** Verify that each submittal conforms with specified requirements.
- C.** Certify, by affixing signature of Contractor's authorized representative to the corner of each submittal package, that this review, coordination, and verification has taken place.

1.04 PRE-JOB SUBMITTALS

- A.** Proposed preliminary progress schedule for Work. Revise and submit progress schedule on weekly basis.

B. ASBESTOS SUBMITTALS

Notice of impending commencement of asbestos removal work in writing to the:

Tennessee Department of Environment and Conservation
Divisions of Air Pollution Control
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15th Floor
Nashville, Tennessee 37243

- 1.** Comply with the applicable notice period set forth in EPA 40CFR 51.146. Include one (1) copy of notifications in submittal package along with certified mail receipt of notification to aforementioned agencies. If time from signing of Contract to scheduled start of work is less than applicable notice period, seek waiver of notice period. Without written approval from all of said agencies, do not shorten applicable notice period.
- 2.** All required permits, site location, and arrangements for transport and disposal of asbestos-containing or contaminated materials. Submit notarized certification that landfill site to be used meets all Environmental Protection Agency regulatory standards.

3. Building permits required by local governmental jurisdiction for the construction or demolition work required during progress of Work.
4. Manufacturer's specifications for air cleaning, vacuum equipment, air handling equipment, special tools, and safety equipment to be utilized in Work.
5. Certification that negative air filtration system to be utilized meets requirements of Contract Documents and applicable patents. Also, submit copies of manufacturer's specifications including rated flow capacity.
6. Manufacturer's certification or independent test reports confirming that materials to be utilized in Work meet or exceed all performance criteria required by Specifications. Include manufacturer's safety data sheets (MSDS) for all aerosol adhesives.
7. Written description, sketch, or combination thereof, of plans for construction of a worker and equipment decontamination enclosure system and for isolation of work areas in compliance with Contract Documents.
8. Descriptions of special equipment, techniques, etc., to be used in Work.
9. Asbestos abatement work procedures or practices to be utilized in Work.
10. Listing of asbestos abatement supervisory personnel (including foremen) and their experience, qualifications, training, and State of Tennessee Asbestos Certification.
11. Listing of workers to be utilized in Work.
12. Individually signed "Respirator Training Certificate" and State of Tennessee Asbestos Certification for each and every asbestos abatement worker to be utilized in the Work documenting that each is actively involved in a company employee respirator protection program and has had appropriate training in respiratory protection.
13. Certification that each and every asbestos abatement worker to be utilized in Work is actively involved in an employee medical surveillance program. Include copies of each employee's medical examination records.
14. Individually signed "Notarized Certificate of Asbestos or Other Hazardous Materials Worker's Acknowledgement" form (See Attachment A) for each and every asbestos abatement worker to be utilized in the Work documenting that each acknowledges and understands their employment in connection with removal and disposal of asbestos-containing materials, the inherent risks of such work, and agreement to assuming these risks.
15. Specimen copy of asbestos abatement worker Sign In/Out Log form to be used.
16. Written description, and sketch, of security plan to be utilized.

C. OTHER HAZARDOUS MATERIALS SUBMITTALS

1. Provide a written Abatement Work Plan to be kept at the work site for the duration of the Project. Plan shall include a description of how the abatement of other hazardous materials (Lead Based Paint (LBP), Polychlorinated Biphenyl (PCB), Ozone Depleting Substances (ODS), and mercury containing equipment) will be conducted, plans for ensuring the health and safety of workers and visitors, and how workers and visitors will be protected from exposure to hazardous materials and/or conditions.
2. Provide plans for coordinating the off-site disposal and/or recycling of materials, including location of material disposal.
3. Immediate notification of Owner and Designer, clean-up procedures, and decontamination sequence to be used should PCBs, ODSs, mercury, or lead be released/encountered uncontained, and an emergency action plan in the event of a spill or contact with eyes or skin.

4. All required permits, site location, and arrangements for transport, recycling, and/or disposal of PCB-containing, mercury-containing, ODS-containing, or petroleum-containing or contaminated materials. Submit notarized certification that landfill site or recycling firm to be used meets all Environmental Protection Agency regulatory standards to accept debris generated in Work. Include owner/operator, address and telephone number.

1.05 POST-JOB SUBMITTALS

- A. Certificate of Completion.
- B. Alphabetical listing of each employee used in Work and exact dates on which present in asbestos abatement work areas.
- C. Medical exams, worker's acknowledgement form, asbestos training certification forms, State of Tennessee Asbestos Certification, and respirator training documentation of all employees not identified in Pre-Job Submittals performing asbestos abatement on the Project.
- D. Copy of Sign In/Out Log showing the following: date, name, social security number, entering and leaving time, company or agency represented and reason for entry for all persons entering work areas.
- E. List of extra materials stock.
- F. Notarized asbestos and/or other hazardous materials waste logs showing date, type of container removed from work area, signature of recorder, and time of day.

PART 2 - PRODUCTS: not used.

PART 3 - EXECUTION

3.01 IDENTIFICATION OF SUBMITTALS

- A. Clearly label/identify submittals. Show identification on at least the first page of each submittal, and elsewhere as necessary for positive identification of submittal.
- B. Accompany each submittal package with letter of transmittal showing information required for identification and checking.

3.02 TIMING OF SUBMITTALS

- A. Make submittals far enough in advance of scheduled dates of commencement, execution, or installation to provide time required for reviews, for securing necessary approvals, for possible revisions and resubmittals, and for placing orders and securing delivery.
- B. Accept responsibility for delays resulting from incomplete submittal packages.

3.03 DESIGNER'S REVIEW

- A. Partial submittals may be rejected for non-compliance with Contract Documents.
- B. Review by Designer does not relieve Contractor from responsibility for errors which may exist in submitted data.
- C. Make revisions when required by Designer and resubmit for review.

3.04 PAYMENT FOR REVIEW

- A. Initial Services: Costs for initial and first subsequent review, if required, will be covered under the Contract.
- B. Subsequent Reviews: Costs of Designer's additional services associated with reviews required beyond first subsequent review will be responsibility of Contractor, and Owner may deduct corresponding amounts from Contract Sum by appropriate Modification.

ATTACHMENT A
NOTARIZED CERTIFICATE OF ASBESTOS OR OTHER HAZARDOUS MATERIALS
WORKER'S ACKNOWLEDGMENT

PROJECT NAME: _____ DATE: _____
PROJECT ADDRESS: _____
CONTRACTOR'S NAME: _____

WORKING WITH ASBESTOS CAN BE DANGEROUS. INHALING ASBESTOS FIBERS HAS BEEN LINKED WITH VARIOUS TYPES OF DISEASES. IF YOU SMOKE AND INHALE ASBESTOS FIBERS, THE CHANCE THAT YOU WILL DEVELOP AN ASBESTOS RELATED DISEASE IS GREATER THAN THAT OF THE NON-SMOKING PUBLIC.

Your employer's contract with the Owner for the above project requires that: you be supplied with the proper respirator and be trained in its use; you will be trained in safe work practices and in the use of the equipment found on the job; and you will receive a medical examination. These requirements are to have been completed at no cost to you. By signing this certificate, you are assuring the Owner that your employer has met these obligations to you.

RESPIRATOR PROTECTION: I have been trained in the proper use of respirators, and informed of the type of respirator to be used on the above-referenced project. I have a copy of the written respiratory protection manual issued by my employer. I have been equipped, at no cost, with the respirator to be used on the above project.

TRAINING COURSE: I have been trained in the dangers inherent in handling asbestos and breathing asbestos fibers in proper work procedures, and personal and area protective measures. The topics covered in the course included the following:

- physical characteristics of asbestos or other hazardous materials
- health hazards associated with asbestos or other hazardous materials
- respiratory protection
- negative air systems
- work practices including hands-on or on-job training
- personal decontamination procedures
- air monitoring, personnel and area

MEDICAL EXAMINATION: I have had a medical examination within the past twelve (12) months which was paid for by my employer. This examination included health history, pulmonary function tests, and may have included an evaluation of chest X-ray. I have been notified of the results of my examination.

Signature: _____
Printed Name: _____
Witness: _____

END OF SECTION

01 33 43