



U.S. General Services Administration
Rocky Mountain Region 8 Public Buildings Service
Office of Facilities Management - Industrial Hygiene Group
One Denver Federal Center, Building 41
Denver, CO 80225

GSA ASBESTOS ABATEMENT REQUIREMENTS STATE OF SOUTH DAKOTA RAPID CITY USMS PROJECT

1. PROJECT OBJECTIVES

- 1.1. The contractor shall provide all labor, materials, equipment and supervision necessary to perform abatement of the asbestos-containing materials (ACM).

2. PERMITTING/REGULATIONS/CODES

- 2.1. Contractor shall be responsible for obtaining all necessary local, state, and federal permits and licenses and payment of related fees.
- 2.2. Contractor shall comply with all applicable federal, state, and local regulations including but not limited to:
 - 2.2.1. Occupational Safety & Health Administration (OSHA) Asbestos in Construction Standard - 29 CFR 1926.1101
 - 2.2.2. OSHA Asbestos in General Industry Standard – 29 CFR 1910.1001
 - 2.2.3. OSHA Respiratory Protection Standard - 29 CFR 1910.134
 - 2.2.4. U.S. Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) - 40 CFR 61 Subpart M
 - 2.2.5. EPA Asbestos Hazard Emergency Response Act (AHERA) - 40 CFR 763
 - 2.2.6. Federal Management Regulation, Real Property, Safety and Environmental Management, Asbestos - 41 CFR 102-80.15
 - 2.2.7. U.S. Department of Transportation Hazardous Material Transportation Regulations – 49 CFR 171 and 172
 - 2.2.8. South Dakota Emission Standards for Asbestos Air Pollutants - Administrative Rules of South Dakota (ARSD) 74:36:08:02
 - 2.2.9. South Dakota Asbestos Control Program - ARSD Article 74:31
 - 2.2.10. South Dakota Solid Waste Program – ARSD Article 74:27
- 2.3. All work shall comply with codes and standards applicable to each type of work through the course of this project. The contractor shall also comply with the requirements of GSA BuildGreen standards, and PBS P-100.



3. ASBESTOS ABATEMENT REQUIREMENTS

3.1. General

- 3.1.1. All regulated asbestos abatement activities shall be conducted by a South Dakota licensed asbestos abatement contractor in good standing with South Dakota Department of Agriculture & Natural Resources (DANR) and utilizing properly trained and certified asbestos abatement supervisors and workers.
- 3.1.2. Contractor shall field verify all conditions, requirements, and quantity of asbestos containing material (ACM) to be abated at time of pre-bid walk through.
- 3.1.3. Contractor to coordinate schedule of work with the GSA Building and Project Manager. Asbestos abatement shall be performed during off-hours.

3.2. Abatement Work Practices and Control Requirements

- 3.2.1. All asbestos abatement work shall follow applicable DANR requirements and OSHA Asbestos in Construction Standard requirements of 29 CFR 1926.1101.

3.2.2. Specific Requirements for Trace Asbestos Spray-On Fireproofing

- 3.2.2.1. Disturbance or removal for this material shall only be performed by a South Dakota licensed asbestos abatement contractor following applicable OSHA requirements for trace materials, including but not limited to:
 - 3.2.2.1.1. Utilizing wet methods and wetting agents per 29 CFR 1926.1101(g)(1)(ii)
 - 3.2.2.1.2. Prompt clean up and disposal of waste and debris contaminated with asbestos in leak-tight containers per 29 CFR 1926.1101(g)(1)(iii)
 - 3.2.2.1.3. Prohibition of high-speed abrasive disc saws that are not equipped with point-of-cut ventilator or enclosures with HEPA filtered exhaust air per 29 CFR 1926.1101(g)(3)(i)
 - 3.2.2.1.4. Prohibition of compressed air used to remove asbestos, or materials containing asbestos, unless the compressed air is used in conjunction with an enclosed ventilation system designed to capture the dust cloud created by the compressed air per 29 CFR 1926.1101(g)(3)(ii)
- 3.2.2.2. Work areas involving the removal or disturbance of this material must be demarcated and proper engineering controls and work practices utilized to prevent asbestos contamination in adjoining areas or occupied areas.
- 3.2.2.3. Acoustic ceiling tiles with visible delaminated spray-on fire proofing debris present on the top face shall be managed and disposed of as asbestos contaminated materials.



- 3.2.2.4. Any spills, debris or delamination of this material discovered shall promptly be cleaned up by wet wiping with amended water and HEPA vacuuming.
- 3.2.2.5. Contractor shall include this material in their hazardous communication program to ensure that all sub trades are informed about the presence of the material and take the necessary precautions to not inadvertently disturb this material.
- 3.2.3. Contractor shall not seek or apply for any variance or alternative work procedures from any authority having jurisdiction (AHJ) unless previously approved in writing by GSA. Once approved by GSA, Contractor may request a variance or alternative work procedures in writing from any AHJ and must receive written approval from the AHJ prior to the commencement of abatement activities. Written AHJ approval of any variance or alternative work procedures shall be provided to GSA.
- 3.2.4. Negative air machine (NAM) exhaust shall be exhausted to the exterior of the building if feasible. If it is not practicable for the NAM to be exhausted to the exterior of the building, additional air sampling at the point of exhaust may be required.
- 3.2.5. Contractor shall take care to control the generation of odors in occupied buildings. If mastic remover is utilized, product shall be low odor and meet California Air Resources Board (CARB) volatile organic compound (VOC) content requirements.
- 3.2.6. When performing asbestos abatement activities in or around occupied areas, or otherwise accessible areas, the Contractor shall use floor to ceiling black poly sheeting or equivalent methods to shield abatement staging area, decon entrance, required abatement warning signage on airlock, etc. from plain view in the hallway or other areas of public access. Contractor shall put "Danger Construction Area Authorized Personnel Only" signage or equivalent on the outside of the viewshed barrier.
- 3.2.7. Final visual clearance and air sampling will be conducted by a third-party qualified industrial hygienist independent of the asbestos abatement contractor. Final air clearance sampling shall be done in accordance with the clearance criteria of 40 CFR 763.90(i)(5). GSA reserves the right to prescribe specific sampling protocols type based on abated material and building occupancy.
- 3.2.8. If the area does not pass final visual inspection or final air clearance sampling, the abatement Contractor shall re-clean the area at no additional cost, and the process will be repeated until clearance is achieved.

3.3. Asbestos-Containing Waste Material Disposal Requirements



3.3.1. Transportation and disposal of friable and non-friable asbestos-containing waste material shall be conducted in accordance with all applicable requirements including but not limited to ARSD Article 74:27; 40 CFR 61.150; and 49 CFR Parts 171 & 172.

3.3.2. Asbestos-containing waste material shall be properly packaged, labeled, manifested, and transported.

4. SUBMITTAL AND DELIVERABLE REQUIREMENTS

4.1. Asbestos Abatement Specific Pre-Abatement Submittals

4.1.1. Prior to the commencement of asbestos abatement actions, including removal or disturbance of trace asbestos materials, the Contractor shall provide the following documentation to GSA for review and approval:

4.1.2. Contractor shall provide a written method of procedure (MOP) describing the following at a minimum:

4.1.2.1. Statement of contractor's qualifications and copies of the firm's relevant licenses or certifications, as applicable

4.1.2.2. Types, quantities, and locations of asbestos materials to be removed

4.1.2.3. Engineering controls and work methods to be employed

4.1.2.4. Number and types of regulated areas (e.g., glove bag, full containment, mini-enclosure, etc.)

4.1.2.5. Project phasing and tentative schedule

4.1.2.6. Name and address of disposal facility

4.1.2.7. Copies of safety data sheets (SDSs) for all chemical products to be used etc.

4.1.3. Copy of 10-day notification and/or permit to the appropriate authorities (e.g., EPA, DANR, local fire department, etc.). If notification and/or permit are not required, the Contractor shall state why.

4.2. Asbestos Abatement Specific Close-Out Deliverables

4.2.1. Upon completion of abatement activities, the Contractor shall provide the following documentation in a closure report:

4.2.1.1. A written statement by the asbestos abatement contractor on their company letterhead describing the abatement activities, types, quantities and location of asbestos containing material abated, controls and work methods that were used, waste bagging and handling, and name and address of disposal facility.



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- 4.2.1.2. Copy of 10-day notification and/or permit to the appropriate authorities (e.g., EPA, DANR, local fire department, etc.). If notification and/or permit are not required, the abatement contractor shall state why.
- 4.2.1.3. Copies of current certification and/or licenses for all asbestos supervisors and workers working onsite.
- 4.2.1.4. OSHA-required respirator fit testing and medical clearance documentation for each person entering the regulated area.
- 4.2.1.5. Copies of personal air monitoring data or supporting Negative Exposure Assessment (NEA).
- 4.2.1.6. Legible copies of all daily logs.
- 4.2.1.7. Legible copies of the final signed waste manifests or other shipping documentation.